

ZUIKO INTERCHANGEABLE LENS GROUP



- ① Zuiko Fisheye 8mm F2.8 ② Zuiko Fisheye 16mm F3.5 ③ Zuiko MC 18mm F3.5 ④ Zuiko MC 24mm F2
 ⑤ Zuiko 24mm F2.8 ⑥ Zuiko MC 28mm F2 ⑦ Zuiko 28mm F3.5 ⑧ Zuiko MC 35mm F2 ⑨ Zuiko 35mm F2.8 ⑩ Zuiko Shift 35mm F2.8
 ⑪ Zuiko 55mm F1.2 ⑫ Zuiko 50mm F1.4 ⑬ Zuiko 50mm F1.8 ⑭ Zuiko Macro 50mm F3.5 ⑮ Zuiko Zoom 75-150mm F4
 ⑯ Zuiko 85mm F2 ⑰ Zuiko 100mm F2.8 ⑱ Zuiko 135mm F2.8 ⑲ Zuiko 135mm F3.5 ⑳ Zuiko 200mm F4 ㉑ Zuiko 200mm F5
 ㉒ Zuiko 300mm F4.5 ㉓ Zuiko 400mm F6.3 ㉔ Zuiko 600mm F6.5 ㉕ Zuiko 1000mm F11 ㉖ Zuiko Macro 20mm F3.5
 ㉗ Zuiko Macro 38mm F3.5 ㉘ Zuiko 1:1 Macro 80mm F4 ㉙ Filters ㉚ Lens Hoods ㉛ Lens Caps

ZUIKO FISHEYE 8^{mm} F2.8

Characteristics

- A 23-mm ϕ circular image, covering entire hemisphere, is formed on film.
- Designed according to the equisolid angle projection formula, the lens is an excellent choice for scientific applications.
- It is extremely compact and fast for a fish-eye lens.
- It requires no mirror lock-up in use.

Applications

- Scientific field: measurement of heavenly bodies, azimuth, amount of cloud cover, etc.
- Artistic field: creative 'fisheye' photography.

Notes • Related Units

- Midway setting of the filter switch dial will cast a partial shadow on the picture.
- The protruding front surface must be protected with a cap when not in use.
- The aperture diaphragm does not couple to the exposure meter.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
180° (circle)	11-7	Auto.	2.8-22	0.2m (0.7)	—	Straight helicoid	640g. (22.6)	82mm (3.2)	102mm (4)	Not necessary	Built-in (L39,Y48,O56,R60)

OLYMPUS

OM SYSTEM ZUIKO FISHEYE 8mm F2.8

● Zuiko Lens

7 groups 11 elements
Angle of view: 180°
(circular image of 23mm in diameter)

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Filter Switch Dial

Four filters are built in: L39(UV), Y48(Y2), O56(O2) and R60(R1)

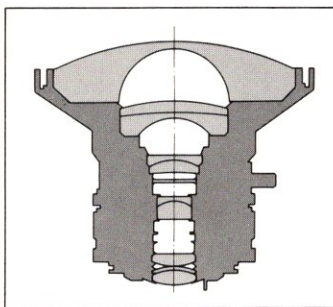
● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	※0.2	※0.25	0.3	0.4	※0.5	0.7	※1	2	3	※∞
F-stop	2.8	0.19~0.21	0.23~0.29	0.26~0.37	0.31~0.60	0.36~0.97	0.43~3.30	0.50~∞	0.63~∞	0.68~0.83~∞
	4	0.18~0.22	0.22~0.31	0.24~0.42	0.29~0.81	0.33~1.84	0.38~∞	0.43~∞	0.50~∞	0.53~0.61~∞
	5.6	0.18~0.23	0.21~0.35	0.23~0.53	0.27~1.64	0.29~∞	0.33~∞	0.36~∞	0.41~∞	0.42~0.46~∞
	8	0.17~0.26	0.20~0.45	0.21~0.93	0.24~∞	0.26~∞	0.28~∞	0.30~∞	0.32~∞	0.33~0.35~∞
	11	0.17~0.30	0.18~0.77	0.20~∞	0.22~∞	0.23~∞	0.24~∞	0.25~∞	0.27~∞	0.27~0.28~∞
	16	0.16~0.48	0.17~∞	0.18~∞	0.19~∞	0.20~∞	0.20~∞	0.21~∞	0.22~∞	0.22~0.23~∞
	22	0.15~∞	0.16~∞	0.16~∞	0.17~∞	0.18~∞	0.18~∞	0.18~∞	0.19~∞	0.19~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.											
	※9"	10"	※1	※1.25	1.5	2	3	4	※6	8	10	※∞
F-stop	2.8	0.69~0.84	0.75~0.96	0.86~1.25	1.00~1.81	1.12~2.59	1.32~5.71	1.59~∞	1.78~∞	2.01~∞	2.15~∞	2.25~2.72~∞
	4	0.67~0.88	0.72~1.03	0.81~1.43	0.93~2.33	1.02~4.08	1.17~100.83	1.36~∞	1.48~∞	1.62~∞	1.70~∞	1.76~2.00~∞
	5.6	0.64~0.97	0.68~1.17	0.76~1.81	0.85~4.07	0.92~29.93	1.03~∞	1.16~∞	1.23~∞	1.32~∞	1.36~∞	1.39~1.52~∞
	8	0.61~1.14	0.65~1.51	0.70~3.36	0.77~∞	0.82~∞	0.89~∞	0.97~∞	1.01~∞	1.06~∞	1.08~∞	1.10~1.16~∞
	11	0.58~1.57	0.61~2.23	0.65~∞	0.70~∞	0.73~∞	0.77~∞	0.82~∞	0.85~∞	0.87~∞	0.89~∞	0.90~0.93~∞
	16	0.54~10.14	0.56~∞	0.59~∞	0.62~∞	0.64~∞	0.66~∞	0.69~∞	0.70~∞	0.71~∞	0.72~∞	0.73~0.74~∞
	22	0.51~∞	0.52~∞	0.54~∞	0.56~∞	0.57~∞	0.58~∞	0.60~∞	0.61~∞	0.61~∞	0.62~∞	0.62~0.63~∞

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ZUIKO FISHEYE 16^{mm} F3.5

Characteristics

- The 180° diagonal angle of view produces panoramic hemispherical perspective.
- The 44-mm ϕ image circle covers 35mm film format fully.
- It is incomparably compact for a fisheye with maximum aperture of F3.5.
- It requires no mirror lock-up in use.

Applications

- Special effects taking advantage of the distortion typical of a fisheye.

Notes • Related Units

- Midway setting of the filter switch dial will cast a partial shadow on the picture.
- The protruding front surface must be protected with a cap when not in use.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
180°	11-8	Auto.	3.5-22	0.2m (0.7)	—	Straight helicoid	180gr. (6.3)	31mm (1.2)	59mm (2.3)	Not necessary	Built-in (L39,Y48,056)

OLYMPUS

OM SYSTEM ZUIKO FISHEYE 16mm F3.5

● Zuiko Lens

8 groups 11 elements
Angle of view: 180° (diagonal)

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

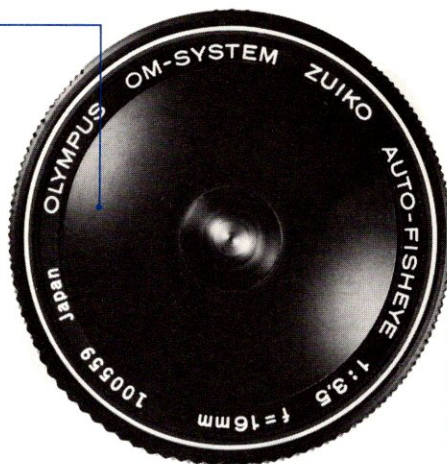
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

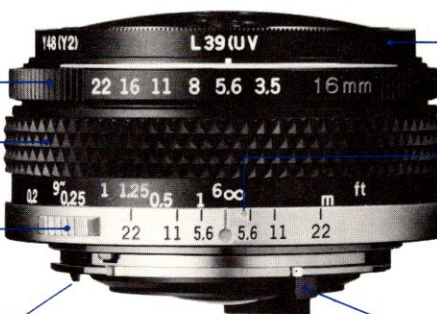
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size



● Filter Switch Dial

Three filters are built in: L39 (UV), Y48 (Y2) and O56 (O2).

● Infrared Index Mark

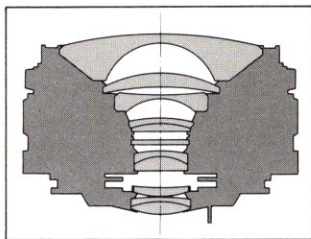
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter coupling Lever

This lever transmits selected apertures to the exposure meter.



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	※0.2	※0.25	0.3	0.4	※0.5	0.7	※1	2	3	※∞
F-stop	3.5	0.19~0.21	0.24~0.27	0.28~0.33	0.36~0.46	0.43~0.60	0.56~0.95	0.72~1.10	1.34~∞	2.32~∞
	4	0.19~0.21	0.23~0.27	0.27~0.33	0.35~0.47	0.42~0.62	0.54~1.00	0.70~1.04	1.24~∞	2.03~∞
	5.6	0.19~0.21	0.23~0.28	0.27~0.35	0.33~0.50	0.40~0.69	0.50~1.22	0.62~2.82	0.88~1.01	1.47~∞
	8	0.18~0.22	0.22~0.29	0.25~0.35	0.31~0.57	0.37~0.84	0.45~1.83	0.54~15.76	0.71~∞	1.04~∞
	11	0.18~0.23	0.21~0.31	0.24~0.41	0.29~0.69	0.33~1.16	0.40~5.23	0.47~∞	0.58~∞	0.63~0.77
16	0.17~0.25	0.20~0.36	0.22~0.51	0.26~1.09	0.29~3.45	0.34~∞	0.38~∞	0.45~∞	0.48~∞	0.55~∞
	22	0.16~0.28	0.19~0.44	0.21~0.73	0.24~4.17	0.26~∞	0.29~∞	0.32~∞	0.36~∞	0.41~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	※9"	10"	※1	※1.25	1.5	2	3	4	※6	8
F-stop	3.5	0.71~0.79	0.78~0.89	0.92~1.09	1.12~1.42	1.31~1.77	1.65~2.57	2.23~4.68	2.71~7.95	3.45~26.35
	4	0.71~0.80	0.78~0.90	0.91~1.11	1.11~1.45	1.28~1.82	1.16~2.68	2.16~5.10	2.60~9.29	3.26~52.45
	5.6	0.69~0.82	0.76~0.93	0.88~1.16	1.06~1.55	1.22~2.00	1.50~3.12	1.94~7.19	2.29~20.61	2.77~∞
	8	0.67~0.86	0.73~0.98	0.84~1.25	0.99~1.74	1.13~2.35	1.36~4.18	1.70~19.41	1.95~∞	2.27~∞
	11	0.65~0.91	0.70~1.05	0.80~1.39	0.93~2.06	1.04~3.04	1.22~7.45	1.48~∞	1.65~∞	1.87~∞
16	0.61~1.01	0.66~1.21	0.74~1.74	0.84~3.06	0.92~6.24	1.05~∞	1.22~∞	1.33~∞	1.46~∞	1.53~∞
	22	0.58~1.19	0.61~1.49	0.68~2.53	0.76~8.00	0.82~∞	0.91~∞	1.02~∞	1.09~∞	1.17~∞

OLYMPUS

ZUIKO MC18^{mm} F3.5

Characteristics

- This lens spans an incredible 100° angle of view.
- Fast, compact and provides full aperture, TTL viewing (no mirror lock-up is required).
- Dramatically exaggerated perspective effects are possible without distortion.
- The lens is multicoated, minimizing ghosts and flare.
- Floating elements automatically eliminate aberrations when the lens is used at close distances.

Applications

- Dramatic interior, architectural and creative "wide effect" photography.

Notes • Related Units

- To protect the lens surface, replace the cap when not in use.
- The optional Adapter Ring 49→72 is necessary to use a filter. This unit also acts as a lens hood.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
100°	11-9	Auto.	3.5-16	0.25m (0.8)	30 × 20cm (11.8 × 7.9)	Straight helicoid	250g (8.8)	42mm (1.7)	62mm (2.4)	49mm Adapter Ring 49→72	72mm Screw-in (w/Adapter Ring 49→72)

OLYMPUS

OM SYSTEM ZUIKO MC 18mm F3.5

● Zuiko lens

9 groups 11 elements
Angle of view: 100°

● Front Mount Ring

Filter size: 72mmφ
Hood: Adapter Ring 49→72mm

● Adapter Ring 49→72 mm (optional)

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

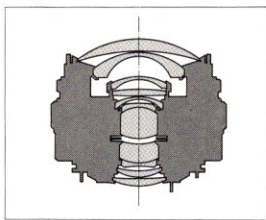
● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※ 0.25	0.3	0.4	※ 0.5	0.7	※ 1	2	※ 3	5	※ ∞
F-stop	3.5	0.24~0.26	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.86	0.79~1.40	1.25~5.45	1.56~∞	1.93~3.04	∞~∞
	4	0.24~0.26	0.28~0.32	0.37~0.44	0.44~0.58	0.59~0.89	0.76~1.49	1.19~7.30	1.46~∞	1.78~∞	2.67~∞
	5.6	0.24~0.26	0.28~0.33	0.36~0.46	0.48~0.61	0.55~0.97	0.70~1.87	1.03~∞	1.22~∞	1.43~∞	1.93~∞
	8	0.23~0.27	0.27~0.34	0.34~0.49	0.40~0.68	0.51~1.23	0.62~3.09	0.86~∞	0.98~∞	1.11~∞	1.38~∞
	11	0.23~0.28	0.26~0.36	0.32~0.55	0.38~0.80	0.46~1.78	0.55~20.6	0.72~∞	0.80~∞	0.88~∞	1.02~∞
	16	0.22~0.30	0.25~0.39	0.30~0.67	0.34~1.16	0.40~8.28	0.47~∞	0.57~∞	0.62~∞	0.66~∞	0.73~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
	10"	※ 1	※ 1.25	1.5	※ 2	3	4	※ 6	8	10	※ ∞
F-stop	3.5	0.81 ~ 0.86	0.95 ~ 1.05	1.17 ~ 1.35	1.37 ~ 1.67	1.75 ~ 2.36	2.41 ~ 4.03	2.98 ~ 6.27	3.89 ~ 14.06	4.59 ~ 37.25	5.14 ~ ∞
	4	0.80 ~ 0.87	0.95 ~ 1.06	1.16 ~ 1.37	1.35 ~ 1.69	1.72 ~ 2.42	2.35 ~ 4.25	2.88 ~ 6.84	3.71 ~ 17.53	4.33 ~ 80.82	4.82 ~ ∞
	5.6	0.79 ~ 0.88	0.93 ~ 1.09	1.12 ~ 1.42	1.30 ~ 1.79	1.63 ~ 2.65	2.17 ~ 5.14	2.60 ~ 9.71	3.23 ~ 88.94	3.68 ~ ∞	4.02 ~ 6.33
	8	0.78 ~ 0.90	0.90 ~ 1.13	1.08 ~ 1.52	1.24 ~ 1.96	1.52 ~ 3.11	1.95 ~ 7.61	2.27 ~ 27.76	2.73 ~ ∞	3.03 ~ ∞	3.24 ~ 4.51
	11	0.76 ~ 0.94	0.87 ~ 1.20	1.03 ~ 1.66	1.17 ~ 2.24	1.40 ~ 4.02	1.74 ~ 20.33	1.98 ~ ∞	2.29 ~ ∞	2.49 ~ ∞	2.63 ~ 3.36
16	0.73 ~ 1.00	0.83 ~ 1.32	0.96 ~ 1.98	1.07 ~ 2.98	1.24 ~ 8.28	1.48 ~ ∞	1.64 ~ ∞	1.84 ~ ∞	1.95 ~ ∞	2.03 ~ ∞	2.39 ~ ∞

OLYMPUS

ZUIKO 21^{mm} F3.5

Characteristics

- It expresses dynamic perspective typical of super wideangle lenses.
- It achieves unprecedented compactness as indicated by the 49mm filter size.
- It has unusually high resolution and contrast due to newly developed design.
- Aberration compensation is well balanced and the lens features superb image quality even at close focusing distances.

Applications

- Architecture and restricted interiors
- Snapshots
- Panoramic landscapes and skies
- Exaggerated perspective effects

Notes • Related Units

- Use of a non-Olympus filter may darken picture corners.
- Combination use of two filters, or a filter and lens hood, may darken picture corners.
- Lens hood is sold separately. (p.187)
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
92°	7-7	Auto.	3.5-16	0.2m (0.7)	21 × 14cm (8.3 × 5.5)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 21mm F3.5

● Zuiko Lens

7 groups 7 elements
Angle of view: 92°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in (optional)

● Depth of Field Preview Button

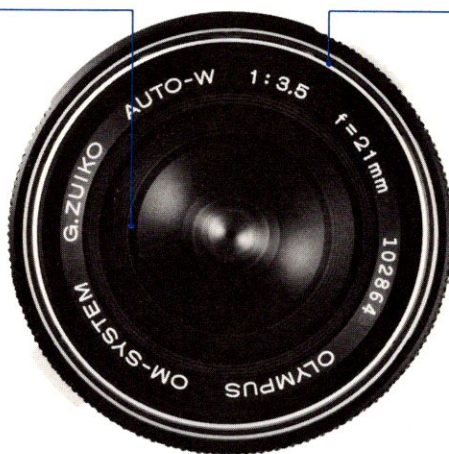
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

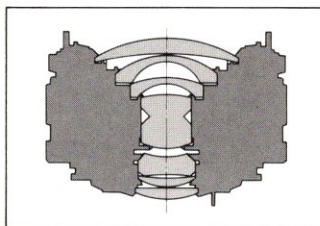
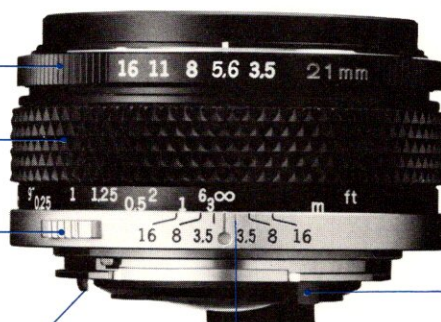
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	*0.2	*0.25	0.3	0.4	*0.5	0.7	*1	2	*3	5	* ∞
F-stop	3.5	0.20~0.20	0.24~0.26	0.29~0.32	0.37~0.43	0.46~0.56	0.61~0.82	0.82~1.35	1.73~3.91	2.24~11.88	3.95~ ∞
	4	0.20~0.21	0.24~0.26	0.28~0.32	0.37~0.44	0.45~0.56	0.60~0.84	0.80~1.34	1.31~4.38	1.66~17.83	3.56~ ∞
	5.6	0.19~0.21	0.24~0.27	0.28~0.33	0.36~0.45	0.43~0.59	0.57~0.92	0.74~1.57	1.15~8.80	1.40~ ∞	2.53~ ∞
	8	0.19~0.21	0.23~0.27	0.27~0.34	0.35~0.48	0.41~0.65	0.53~1.06	0.67~2.07	0.98~ ∞	1.16~ ∞	1.35~ ∞
	11	0.19~0.22	0.23~0.28	0.26~0.36	0.33~0.53	0.38~0.74	0.48~1.37	0.59~3.83	0.81~ ∞	0.93~ ∞	1.05~ ∞
	16	0.18~0.22	0.22~0.30	0.25~0.39	0.31~0.61	0.35~0.93	0.43~2.34	0.51~ ∞	0.66~ ∞	0.73~ ∞	0.80~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.													
	*9"	10"	*1	*1.25	1.5	*2	3	4	*6	10	15	* ∞		
F-stop	3.5	0.73~0.77	0.80~0.87	0.95~1.05	1.17~1.34	1.38~1.65	1.78~2.29	2.50~3.78	3.13~5.60	4.19~10.79	5.74~41.66	7.05~ ∞	12.95~ ∞	
	4	0.73~0.78	0.80~0.87	0.95~1.06	1.16~1.35	1.37~1.66	1.76~2.33	2.45~3.90	3.05~5.87	4.05~11.85	5.49~64.75	6.66~ ∞	11.67~ ∞	
	5.6	0.72~0.79	0.79~0.88	0.93~1.09	1.13~1.40	1.32~1.75	1.67~2.51	2.28~4.46	2.79~7.30	3.58~20.16	4.64~ ∞	5.44~ ∞	8.30~ ∞	
	8	0.70~0.81	0.77~0.91	0.90~1.13	1.09~1.48	1.26~1.88	1.57~2.81	2.08~5.62	2.48~11.26	3.08~ ∞	3.81~ ∞	4.33~ ∞	5.92~ ∞	
	11	0.69~0.83	0.75~0.95	0.87~1.19	1.03~1.61	1.18~2.10	1.45~3.41	1.85~9.01	2.16~51.12	2.58~ ∞	3.06~ ∞	3.37~ ∞	4.23~ ∞	
	16	0.66~0.87	0.72~1.00	0.83~1.30	0.97~1.84	1.09~2.55	1.30~4.92	1.61~72.71	1.83~ ∞	2.11~ ∞	2.40~ ∞	2.58~ ∞	3.04~ ∞	

OLYMPUS

ZUIKO MC 24^{mm} F2

Characteristics

- This is the fastest 24mm lens available today.
- It offers more striking wide angle effects than the 28mm lens which is now considered a "normal" wide-angle.
- It incorporates a floating element group to provide superior image quality at close focusing distances.
- The design is so compact it accepts a 55mm filter.

Applications

- Snapshots of night scenes taking advantage of the fast lens speed.
- Architecture and restricted interiors
- Snapshots
- Exaggerated perspective effects
- Family gatherings

Notes • Related Units

- Lens hood is sold separately. (p.187)
- Compatible focusing screens: 1-1~1-5, 1-10, 1-13. (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
84°	10-8	Auto.	2-16	0.25m (0.8)	23×15cm (9×5.9)	Straight helicoid	280g. (9.9)	48mm (1.9)	60mm (2.4)	55mm Screw-in	55mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO MC 24mm F2

● Zuiko Lens

8 groups 10 elements, multi-coated
Angle of view: 84°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

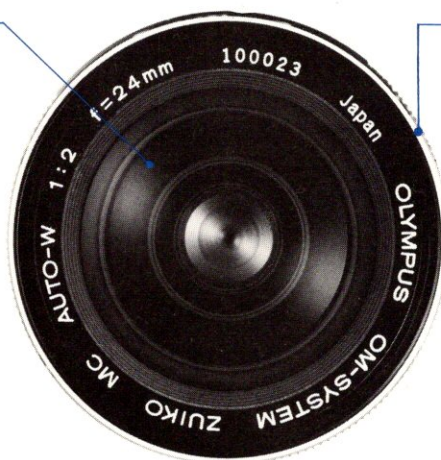
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



● Front Mount Ring

Filter size: 55mm ϕ
Hood: 55mm ϕ screw-in (optional)

● Depth of Field Preview Button

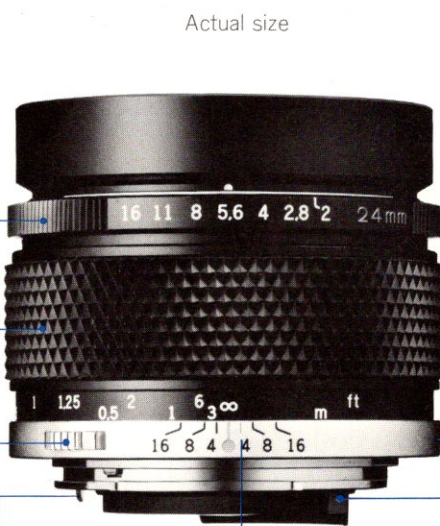
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

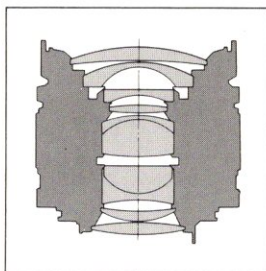
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters)										Circle of least confusion 1/30mm.	
	*0.25	0.3	0.4	*0.5	0.7	*1	2	*3	5	* ∞		
2	0.25~ 0.25	0.30~ 0.31	0.39~ 0.41	0.48~ 0.52	0.66~ 0.74	0.92~ 1.09	1.69~ 2.46	2.34~ 4.21	3.37~ 9.77	10.05~ ∞		
2.8	0.25~ 0.25	0.29~ 0.31	0.39~ 0.42	0.48~ 0.53	0.65~ 0.76	0.89~ 1.14	1.59~ 2.71	2.15~ 5.03	2.99~ 15.90	7.20~ ∞		
4	0.24~ 0.26	0.29~ 0.31	0.38~ 0.42	0.47~ 0.54	0.63~ 0.79	0.85~ 1.21	1.46~ 3.21	1.92~ 7.11	2.55~ 288.48	5.06~ ∞		
5.6	0.24~ 0.26	0.29~ 0.32	0.37~ 0.43	0.45~ 0.56	0.61~ 0.83	0.81~ 1.32	1.32~ 4.25	1.68~ 16.07	2.14~ ∞	3.63~ ∞		
8	0.24~ 0.26	0.28~ 0.32	0.36~ 0.45	0.44~ 0.59	0.57~ 0.91	0.75~ 1.54	1.16~ 8.36	1.42~ ∞	1.73~ ∞	2.56~ ∞		
11	0.23~ 0.26	0.28~ 0.33	0.35~ 0.47	0.42~ 0.63	0.54~ 1.03	0.69~ 1.95	1.00~ ∞	1.19~ ∞	1.39~ ∞	1.88~ ∞		
16	0.23~ 0.28	0.27~ 0.35	0.33~ 0.51	0.39~ 0.72	0.49~ 1.32	0.60~ 3.58	0.83~ ∞	0.94~ ∞	1.06~ ∞	1.31~ ∞		

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet)										Circle of least confusion 1/760in.	
	*1	*1.25	1.5	*2	3	4	*6	10	15	* ∞		
2	0.98~ 1.02	1.22~ 1.28	1.45~ 1.55	1.91~ 2.10	2.79~ 3.25	3.61~ 4.49	5.14~ 7.23	7.76~ 14.13	10.41~ 27.05	32.91~ ∞		
2.8	0.98~ 1.02	1.21~ 1.30	1.44~ 1.57	1.88~ 2.14	2.71~ 3.37	3.48~ 4.72	4.86~ 7.88	7.12~ 16.95	9.29~ 40.01	23.58~ ∞		
4	0.97~ 1.04	1.19~ 1.32	1.41~ 1.60	1.83~ 2.21	2.60~ 3.56	3.30~ 5.12	4.50~ 9.11	6.35~ 24.27	8.00~ 144.34	16.58~ ∞		
5.6	0.95~ 1.05	1.17~ 1.34	1.38~ 1.65	1.77~ 2.31	2.47~ 3.85	3.08~ 5.77	4.10~ 11.54	5.55~ 57.77	6.76~ ∞	11.90~ ∞		
8	0.94~ 1.08	1.14~ 1.39	1.33~ 1.73	1.69~ 2.48	2.30~ 4.39	2.81~ 7.16	3.61~ 19.41	4.68~ ∞	5.49~ ∞	8.39~ ∞		
11	0.92~ 1.11	1.10~ 1.45	1.28~ 1.83	1.60~ 2.73	2.12~ 5.36	2.54~ 10.32	3.16~ 143.36	3.92~ ∞	4.46~ ∞	6.16~ ∞		
16	0.88~ 1.17	1.05~ 1.57	1.20~ 2.05	1.47~ 3.31	1.88~ 8.55	2.19~ 41.55	2.6~ ∞	3.10~ ∞	3.42~ ∞	4.30~ ∞		

OLYMPUS

ZUIKO 24^{mm} F2.8

Characteristics

- Amazingly compact and pleasant to use.
- The 24mm is a typical "super" wide angle lens now that the 28mm is considered a "normal" wide-angle.
- It yields edge-to-edge sharpness, true flat-field reproduction and freedom from distortion.

Applications

- Family gatherings
- Architecture and restricted interiors
- Snapshots
- Exaggerated perspective

Notes • Related Units

- Compatible focusing screens: 1-1~1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
84°	8-7	Auto.	2.8-16	0.25m (0.8)	23 × 15cm (9 × 5.9)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 24mm F2.8

● Zuiko Lens

7 groups 8 elements
Angle of view: 84°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in
(sold with lens as a set) (p.187)

● Depth of Field Preview Button

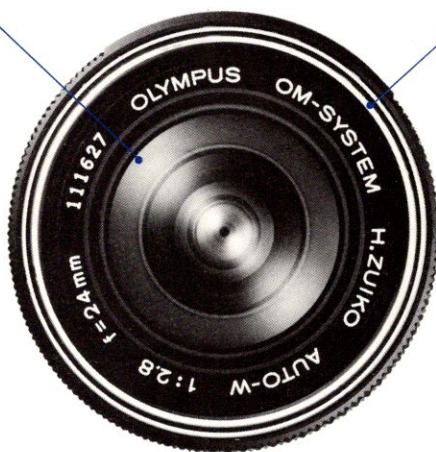
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

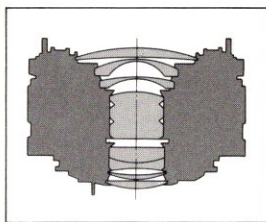
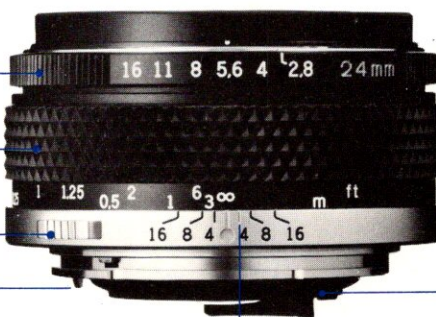
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	*0.25	0.3	0.4	*0.5	0.7	*1	2	*3	5	* ∞
F-stop	2.8	0.25~ 0.25	0.29~ 0.31	0.39~ 0.41	0.48~ 0.52	0.65~ 0.76	0.89~ 1.14	1.57~ 2.79	2.10~ 5.39	2.88~ 21.0
	4	0.25~ 0.25	0.29~ 0.31	0.38~ 0.42	0.47~ 0.54	0.63~ 0.79	0.85~ 1.22	1.44~ 3.34	1.87~ 8.01	2.46~ infinity
	5.6	0.24~ 0.26	0.29~ 0.31	0.38~ 0.43	0.46~ 0.55	0.61~ 0.83	0.81~ 1.33	1.30~ 4.61	1.64~ 25.7	2.06~ infinity
	8	0.24~ 0.26	0.29~ 0.32	0.37~ 0.44	0.44~ 0.58	0.58~ 0.90	0.75~ 1.57	1.14~ 11.1	1.38~ infinity	1.66~ infinity
	11	0.24~ 0.26	0.28~ 0.32	0.36~ 0.46	0.43~ 0.62	0.55~ 1.02	0.69~ 2.02	0.99~ infinity	1.16~ infinity	1.34~ infinity
	16	0.24~ 0.27	0.27~ 0.34	0.34~ 0.50	0.40~ 0.70	0.50~ 1.32	0.61~ 4.05	0.82~ infinity	0.92~ infinity	1.02~ infinity

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	*1	*1.25	1.5	*2	3	4	*6	10	15	* ∞
F-stop	2.8	0.98~ 1.02	1.21~ 1.29	1.44~ 1.56	1.88~ 2.14	2.71~ 3.38	3.46~ 4.76	4.80~ 8.07	6.96~ 18.2	8.97~ 48.9
	4	0.98~ 1.03	1.20~ 1.30	1.42~ 1.59	1.84~ 2.20	2.60~ 3.56	3.29~ 5.17	4.45~ 9.41	6.21~ 27.5	7.74~ 714
	5.6	0.97~ 1.04	1.18~ 1.33	1.39~ 1.63	1.78~ 2.29	2.48~ 3.86	3.07~ 5.87	4.04~ 12.3	5.41~ 98.6	6.51~ infinity
	8	0.95~ 1.06	1.16~ 1.37	1.35~ 1.70	1.71~ 2.45	2.31~ 4.43	2.80~ 7.43	3.57~ 23.1	4.55~ infinity	5.28~ infinity
	11	0.94~ 1.08	1.13~ 1.42	1.30~ 1.79	1.62~ 2.70	2.14~ 5.46	2.54~ 11.3	3.12~ infinity	3.82~ infinity	4.30~ infinity
	16	0.91~ 1.12	1.08~ 1.52	1.24~ 1.98	1.50~ 3.25	1.90~ 9.14	2.20~ 106	2.59~ infinity	3.03~ infinity	3.31~ infinity

ZUIKO MC 28^{mm} F2

Characteristics

- It has unusually fast speed of F2 with 28 mm focal length.
- The 28mm is becoming a favorite among most photographers as their principal wide-angle.
- So compact that it accepts a 49mm filter.
- Multi-coated elements reduce ghosts.
- Despite the fast speed, the floating system contributes to superior image quality at close focusing distances.

Applications

- Snapshots of night scenes taking advantage of F2 maximum aperture
- Architecture and interiors
- Moderate exaggeration of perspective

Notes • Related Units

- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
75°	9-8	Auto.	2-16	0.3m (1.0)	27×18cm (10.6×7.1)	Straight helicoid	250g. (8.8)	43mm (1.7)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO MC 28mm F2

● Zuiko Lens

8 groups 9 elements, multi-coated
Angle of view: 75°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in
(sold with lens as a set) (p.187)

● Depth of Field Preview Button

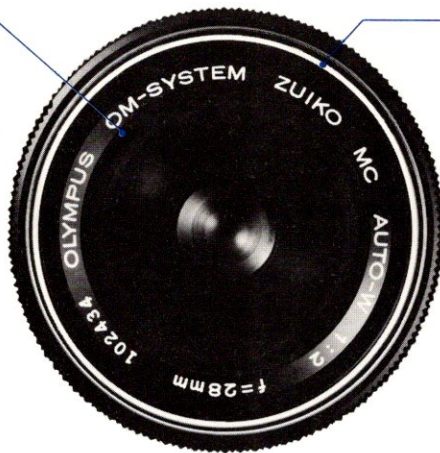
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

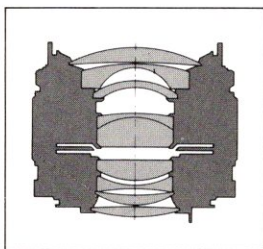
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	0.25	※ 0.3	0.4	※ 0.5	※ 0.7	※ 1	2	※ 3	5	∞
F-stop	2	0.25~0.30	0.30~0.41	0.39~0.51	0.49~0.73	0.67~1.07	0.94~2.34	1.75~3.86	3.64~8.04	12.97~∞
	2.8	0.25~0.31	0.29~0.41	0.39~0.52	0.48~0.75	0.66~1.10	0.92~2.49	1.67~4.31	2.31~13.31	9.51~∞
	4	0.25~0.31	0.29~0.42	0.38~0.53	0.47~0.77	0.66~1.15	0.88~2.79	1.56~5.32	12.89~9.25	6.67~∞
	5.6	0.24~0.26	0.29~0.31	0.38~0.42	0.46~0.54	0.63~0.80	0.85~1.23	1.44~3.33	2.48~∞	4.78~∞
	8	0.24~0.26	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.85	0.79~1.36	1.29~4.68	2.04~∞	3.36~∞
	11	0.24~0.26	0.28~0.32	0.36~0.45	0.43~0.59	0.57~0.92	0.74~1.58	1.14~9.61	1.68~∞	2.46~∞
	16	0.23~0.27	0.27~0.34	0.35~0.48	0.41~0.65	0.52~1.08	0.66~2.18	0.96~∞	1.30~∞	1.71~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	1	※ 1.25	1.5	※ 2	3	※ 4	※ 6	10	15	※ ∞
F-stop	2	0.99~1.01	1.23~1.27	1.46~1.54	1.93~2.08	2.83~3.19	3.69~4.37	5.31~6.91	8.17~12.93	11.18~42.42
	2.8	0.98~1.02	1.22~1.28	1.45~1.55	1.90~2.11	2.77~3.27	3.59~4.52	5.09~7.32	7.66~14.49	10.23~31.14
	4	0.97~1.03	1.20~1.30	1.43~1.58	1.87~2.16	2.69~3.41	3.44~4.79	4.78~8.09	6.96~17.97	9.01~46.18
	5.6	0.96~1.04	1.19~1.32	1.40~1.61	1.82~2.23	2.58~3.60	3.26~5.21	4.43~9.41	6.21~26.51	7.78~289.83
	8	0.95~1.06	1.16~1.35	1.37~1.67	1.75~2.34	2.43~3.95	3.02~6.00	3.99~12.50	5.36~94.18	6.47~∞
	11	0.93~1.08	1.13~1.40	1.32~1.74	1.67~2.51	2.28~4.49	2.77~7.42	3.35~21.38	4.58~∞	5.35~8.07
	16	0.91~1.12	1.09~1.48	1.26~1.88	1.56~2.85	2.06~5.85	2.44~12.39	3.01~∞	3.70~∞	4.17~5.61

ZUIKO 28^{mm} F3.5

Characteristics

- The 28mm lens is becoming a favorite among most photographers as their principal wide-angle.
- It is easy to use and the smallest, lightest lens available in this class.
- Ample marginal light transmission ensures even illumination over the entire picture area making the lens ideal for color photography.

Applications

- Architecture and interiors
- Snapshots
- Moderate exaggeration of perspective

Notes • Related Units

- Compatible focusing screens: 1-1 ~ 1-4, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
75°	7-7	Auto.	3.5-16	0.3m (1.0)	27 × 18cm (10.6 × 7.1)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 28^{mm} F3.5

● Zuiko Lens

7 groups 7 elements
Angle of view: 75°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in
(sold with lens as a set) (p.187)

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

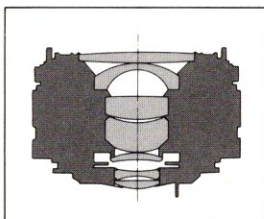
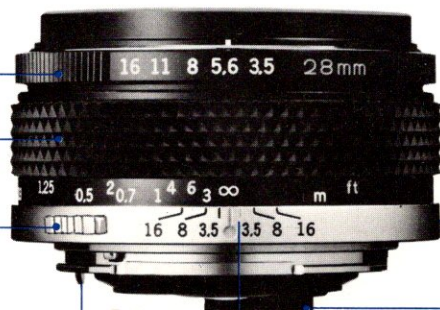
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
		※0.3	0.4	※0.5	※0.7	※1	2	※3	5	※∞
F-stop	3.5	0.29~ 0.31	0.38~ 0.42	0.47~ 0.53	0.65~ 0.77	0.89~ 1.15	1.57~ 2.77	2.11~ 5.23	2.92~ 18.1	6.84~ ∞
	4	0.29~ 0.31	0.38~ 0.42	0.47~ 0.53	0.64~ 0.78	0.87~ 1.18	1.52~ 2.94	2.03~ 5.86	2.76~ 28.9	5.99~ ∞
	5.6	0.29~ 0.31	0.38~ 0.43	0.46~ 0.55	0.62~ 0.81	0.83~ 1.27	1.39~ 3.62	1.80~ 9.54	2.34~ ∞	4.29~ ∞
	8	0.28~ 0.32	0.37~ 0.44	0.44~ 0.57	0.59~ 0.87	0.77~ 1.43	1.23~ 5.59	1.54~ 186	1.91~ ∞	3.02~ ∞
	11	0.28~ 0.33	0.35~ 0.46	0.43~ 0.61	0.55~ 0.96	0.71~ 1.71	1.08~ 17.9	1.30~ ∞	1.56~ ∞	2.21~ ∞
	16	0.27~ 0.34	0.34~ 0.50	0.40~ 0.68	0.51~ 1.17	0.63~ 2.57	0.90~ ∞	1.04~ ∞	1.20~ ∞	1.53~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.								
		※ 1.25	1.5	※ 2	3	※ 4	※ 6	10	15	※ ∞
F-stop	3.5	1.20~ 1.30	1.43~ 1.58	1.87~ 2.16	2.69~ 3.40	3.45~ 4.78	4.80~ 8.03	7.00~ 17.7	9.09~ 44.1	22.4~ ∞
	4	1.20~ 1.31	1.42~ 1.59	1.85~ 2.18	2.65~ 3.47	3.38~ 4.92	4.67~ 8.45	6.72~ 19.9	8.61~ 61.1	19.6~ ∞
	5.6	1.18~ 1.33	1.39~ 1.63	1.79~ 2.26	2.53~ 3.70	3.18~ 5.42	4.29~ 10.1	5.95~ 33.0	7.36~ ∞	14.1~ ∞
	8	1.15~ 1.37	1.35~ 1.70	1.72~ 2.40	2.37~ 4.12	2.93~ 6.41	3.83~ 14.4	5.08~ ∞	6.06~ ∞	9.90~ ∞
	11	1.12~ 1.43	1.30~ 1.79	1.64~ 2.60	2.21~ 4.80	2.67~ 8.32	3.38~ 31.2	4.30~ ∞	4.97~ ∞	7.24~ ∞
	16	1.07~ 1.53	1.23~ 1.96	1.51~ 3.03	1.97~ 6.69	2.33~ 16.9	2.84~ ∞	3.44~ ∞	3.84~ ∞	5.03~ ∞

OLYMPUS

ZUIKO MC 35^{mm} F2

Characteristics

- A 35mm focal-length lens with a fast speed of F2.
- The 35mm is an all-purpose and extremely convenient lens for everyday use.
- It is one of the smallest lenses to be found in this class.
- Multi-coated elements reduce ghosts and flare.
- It exhibits superb definition and image quality over the entire picture area.

Applications

- Snapshots of night scenes taking advantage of the fast speed
- Interiors
- Vacation trips and memorable occasions

Notes • Related Units

- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63°	8-7	Auto.	2-16	0.3m (1.0)	21 × 14cm (8.3 × 5.5)	Straight helicoid	240g. (8.5)	42mm (1.7)	60mm (2.4)	55mm Screw-in	55mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO MC 35mm F2

● Zuiko Lens

7 groups 8 elements, multi-coated
Angle of view: 63°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture the moment the shutter is released.

● Front Mount Ring

Filter size: 55mm ϕ
Hood: 55mm ϕ screw-in (sold with lens as a set) (p.187)

● Depth of Field Preview Button

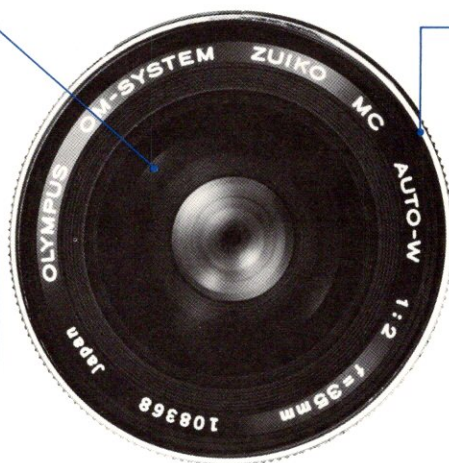
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

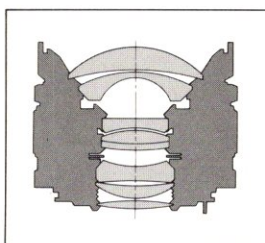
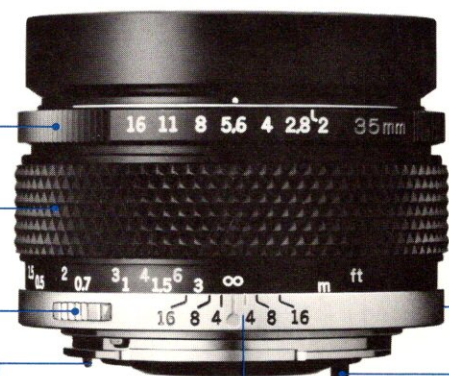
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	*0.3	0.4	*0.5	*0.7	*1	*1.5	2	*3	5	10	* ∞
F-stop	2	0.30~0.39	0.30~0.41	0.49~0.51	0.68~0.72	0.96~1.05	1.40~1.62	1.82~2.22	2.60~3.55	3.96~6.78	6.54~21.35
	2.8	0.30~0.39	0.30~0.41	0.49~0.51	0.67~0.73	0.94~1.07	1.36~1.67	1.75~2.33	2.47~3.83	3.66~7.91	5.75~39.21
	4	0.29~0.31	0.39~0.41	0.48~0.52	0.66~0.75	0.91~1.10	1.31~1.76	1.67~2.51	2.29~4.35	3.29~10.55	4.87~ ∞
	5.6	0.29~0.31	0.38~0.42	0.47~0.53	0.64~0.77	0.88~1.15	1.24~1.89	1.56~2.79	2.10~5.31	2.89~19.08	4.04~ ∞
	8	0.29~0.31	0.38~0.43	0.46~0.54	0.62~0.80	0.84~1.23	1.16~2.14	1.43~3.37	1.86~7.97	2.45~ ∞	3.22~ ∞
	11	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.85	0.80~1.35	1.07~2.55	1.29~4.56	1.63~21.50	2.07~ ∞	2.58~ ∞
	16	0.28~0.32	0.36~0.45	0.43~0.60	0.56~0.94	0.73~1.62	0.95~3.77	1.12~11.19	1.36~ ∞	1.64~ ∞	1.94~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
	※1.25	※1.5	※2	※3	※4	※6	8	12	30	※∞	
F-stop	2	1.23~	1.47~	1.95~	2.88~	3.78~	5.50~	7.12~	10.09~	20.23~	60.87~
		1.27	1.53	2.05	3.13	4.25	6.61	9.14	14.82	58.31	∞
	2.8	1.23~	1.46~	1.93~	2.83~	3.70~	5.32~	6.82~	9.49~	17.90~	43.60~
		1.27	1.54	2.08	3.19	4.36	6.88	9.69	16.36	93.85	∞
	4	1.22~	1.45~	1.90~	2.77~	3.58~	5.08~	6.41~	8.71~	15.28~	30.60~
		1.29	1.56	2.11	3.28	4.54	7.35	10.66	19.39	∞	∞
	5.6	1.20~	1.43~	1.87~	2.68~	3.44~	4.78~	5.95~	7.86~	12.78~	21.92~
		1.30	1.58	2.16	3.41	4.79	8.09	12.31	25.79	∞	∞
	8	1.19~	1.40~	1.81~	2.57~	3.24~	4.40~	5.36~	6.85~	10.28~	15.40~
		1.32	1.62	2.23	3.62	5.24	9.52	16.06	51.32	∞	∞
	11	1.16~	1.37~	1.75~	2.44~	3.03~	4.01~	4.78~	5.91~	8.27~	11.24~
		1.35	1.67	2.34	3.93	5.95	12.24	26.01	∞	∞	∞
16	1.13~	1.32~	1.66~	2.25~	2.74~	3.49~	4.05~	4.82~	6.25~	7.78~	
	1.41	1.75	2.54	4.58	7.68	23.64	∞	∞	∞	∞	

OLYMPUS

ZUIKO 35^{mm} F2.8

Characteristics

- Most popular among wide angle lenses, the 35mm is so versatile that it is often used as a standard lens.
- It reduces comatic flare inherent in wide angle lenses and gives razor-sharp definition.
- It is compact and pleasant to operate.
- It has a deluxe 7-element construction.

Applications

- Snapshots
- Interiors
- Vacation trips and memorable occasions

Notes • Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63°	7-6	Auto.	2.8-16	0.3m (1.0)	21 × 14cm (8.3 × 5.5)	Straight helicoid	180g. (6.3)	33mm (1.3)	59mm (2.3)	51mm Slide-on	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 35mm F2.8

● Zuiko Lens

6 groups 7 elements
Angle of view: 63°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 51mm ϕ slide-on (sold with lens as a set) (p.187)

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

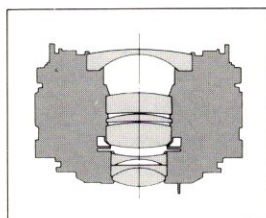
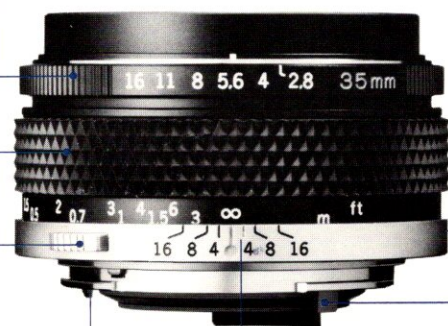
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	※0.3	0.4	※0.5	※0.7	※1	※1.5	2	※3	5	10	※∞
F-stop	2.8	0.30~0.30	0.39~0.41	0.49~0.51	0.67~0.73	0.94~1.07	1.36~1.67	1.76~2.32	2.47~3.67	5.77~13.41	∞
	4	0.29~0.31	0.39~0.41	0.48~0.52	0.66~0.74	0.92~1.10	1.31~1.76	1.67~2.50	2.30~4.33	4.89~10.46	∞
	5.6	0.29~0.31	0.39~0.42	0.47~0.53	0.65~0.76	0.89~1.15	1.25~1.89	1.57~2.78	2.11~5.27	4.06~8.68	∞
	8	0.29~0.31	0.38~0.42	0.46~0.54	0.63~0.80	0.85~1.23	1.17~2.12	1.44~3.34	1.87~7.85	3.24~10.00	∞
	11	0.29~0.32	0.37~0.43	0.45~0.56	0.60~0.84	0.80~1.35	1.08~2.52	1.30~4.49	1.64~10.40	2.60~10.00	∞
	16	0.28~0.32	0.36~0.45	0.43~0.59	0.57~0.93	0.74~1.60	0.96~3.70	1.13~10.67	1.37~10.00	1.95~10.00	∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※1.25	※1.5	※2	※3	※4	※6	8	12	30	※∞
F-stop	2.8	1.23 1.27	1.47 1.54	1.93 2.07	2.84 3.19	3.70 4.35	5.33 6.87	6.83 9.67	9.51 16.30	17.96 92.49	43.88 ∞
	4	1.22 1.28	1.45 1.55	1.90 2.11	2.77 3.27	3.59 4.52	5.09 7.33	6.43 10.62	8.74 19.28	15.34 ∞	30.81 ∞
	5.6	1.21 1.30	1.43 1.58	1.87 2.15	2.69 3.40	3.45 4.78	4.80 8.05	5.97 12.24	7.89 25.53	12.84 ∞	22.07 ∞
	8	1.19 1.32	1.41 1.61	1.88 2.23	2.58 3.60	3.26 5.22	4.42 9.45	5.39 15.89	6.88 49.94	10.34 ∞	15.51 ∞
	11	1.17 1.35	1.37 1.66	1.76 2.33	2.45 3.90	3.05 5.90	4.03 12.09	4.81 25.43	5.95 ∞	8.32 ∞	11.33 ∞
	16	1.13 1.40	1.32 1.74	1.67 2.52	2.27 4.54	2.76 7.57	3.52 22.88	4.08 ∞	4.86 ∞	6.3 ∞	7.85 ∞

OLYMPUS

ZUIKO SHIFT 35^{mm} F2.8

Characteristics

- This unique lens is capable of correcting perspective distortion by allowing the photographer to shift the lens position parallel to the film plane.
- Although 35mm in focal length (normally: 63° angle of view), the lens is essentially equivalent to a 24mm lens in angle of coverage (actual 83°).

Applications

- Critical architectural, studio and composite panoramic photography.

Notes • Related Units

- To take perspective-corrected pictures: 1) set the camera so that the film plane is aligned parallel to the subject, 2) stop down the lens and determine exposure,* 3) compose by shifting the lens, and release the shutter.
- * Determine the exposure after stopping down the lens, but before using the shift.
- Compatible focusing screens: 1-1 ~ 1-4, 1-10 (checker-matte type, specially designed for shift lens), 1-13.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63° (max. 83°)	8-7	Manual	2.8-22	0.3m (1.0)	21×14cm (8.3×5.5)	Straight helicoid	310g (10.9)	58mm (2.3)	68mm (2.7)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO SHIFT 35mm F2.8

● Zuiko Lens

7 groups 8 elements
Angle of view: 63° (83° max.)

● Aperture Ring

Manual, preset type. The lens must be set manually to required taking aperture for correct light reading and exposure (stop-down metering).

● Shift Scale (lateral)

10.4mm max. in each direction.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Shift Scale (vertical)

12mm rising and 13mm falling.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in (optional)

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

This button locks in place when pressed, closing down the lens to preselected F stop. (To reopen, return the button to original position by pressing down and releasing.)



Actual size

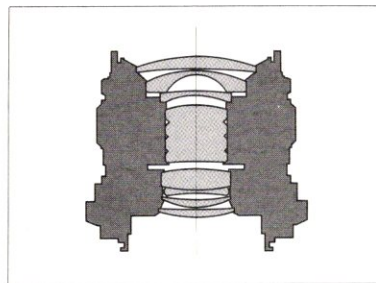


Fig. 1 Line convergence occurring when a normal lens is pointed upward

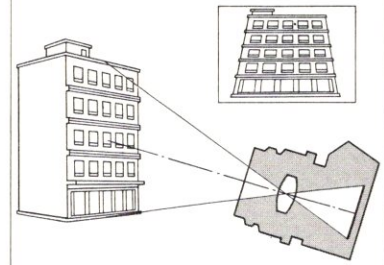
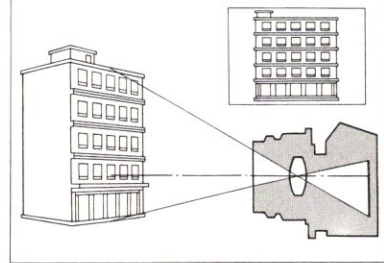


Fig. 2 Taken using "rise" movement of shift lens



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.							
	* 0.3	* 0.5	* 0.7	* 1	* 1.5	* 3	5	* ∞
F-stop	2.8	0.30 ~ 0.30	0.49 ~ 0.51	0.68 ~ 0.73	0.95 ~ 1.06	1.38 ~ 1.64	2.54 ~ 3.68	3.81 ~ 7.30
	4	0.30 ~ 0.30	0.49 ~ 0.52	0.67 ~ 0.74	0.93 ~ 1.08	1.34 ~ 1.71	2.39 ~ 4.04	3.48 ~ 8.93
	5.6	0.29 ~ 0.31	0.48 ~ 0.52	0.66 ~ 0.75	0.91 ~ 1.12	1.28 ~ 1.81	2.21 ~ 4.70	3.11 ~ 13.1
	8	0.29 ~ 0.31	0.47 ~ 0.53	0.64 ~ 0.78	0.87 ~ 1.18	1.21 ~ 1.98	1.99 ~ 6.24	2.68 ~ 43.7
	11	0.29 ~ 0.31	0.46 ~ 0.55	0.62 ~ 0.81	0.83 ~ 1.27	1.13 ~ 2.26	1.77 ~ 10.6	2.29 ~ ∞
16	0.29 ~ 0.32	0.45 ~ 0.57	0.59 ~ 0.87	0.77 ~ 1.45	1.02 ~ 2.96	1.50 ~ ∞	1.85 ~ ∞	2.83 ~ ∞
	22	0.28 ~ 0.32	0.43 ~ 0.60	0.56 ~ 0.96	0.71 ~ 1.75	0.91 ~ 4.76	1.27 ~ ∞	1.50 ~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	* 1.25	* 1.5	* 2	* 3	* 4	* 6	10	20	* ∞	* ∞
F-stop	2.8	1.23 ~ 1.27	1.47 ~ 1.53	1.94 ~ 2.06	2.86 ~ 3.15	3.75 ~ 4.29	5.42 ~ 6.73	8.43 ~ 12.3	14.5 ~ 32.6	50.5 ~ ∞
	4	1.23 ~ 1.28	1.46 ~ 1.54	1.92 ~ 2.08	2.81 ~ 3.22	3.65 ~ 4.42	5.22 ~ 7.07	7.94 ~ 13.5	13.0 ~ 43.5	36.3 ~ ∞
	5.6	1.22 ~ 1.29	1.45 ~ 1.56	1.89 ~ 2.12	2.74 ~ 3.32	3.53 ~ 4.62	4.96 ~ 7.62	7.34 ~ 15.8	11.5 ~ 82.6	26.0 ~ ∞
	8	1.20 ~ 1.30	1.43 ~ 1.58	1.85 ~ 2.18	2.65 ~ 3.48	3.37 ~ 4.95	4.63 ~ 8.62	6.60 ~ 21.2	9.7 ~ ∞	18.3 ~ ∞
	11	1.19 ~ 1.32	1.40 ~ 1.62	1.80 ~ 2.25	2.54 ~ 3.70	3.18 ~ 5.45	4.27 ~ 10.4	5.86 ~ 36.9	8.2 ~ ∞	13.4 ~ ∞
16	1.16 ~ 1.36	1.36 ~ 1.68	1.73 ~ 2.39	2.37 ~ 4.15	2.92 ~ 6.55	3.78 ~ 15.6	4.96 ~ ∞	4.96 ~ ∞	6.5 ~ ∞	9.27 ~ ∞
	22	1.13 ~ 1.41	1.31 ~ 1.77	1.65 ~ 2.59	2.21 ~ 4.87	2.65 ~ 8.71	3.33 ~ 41.2	4.19 ~ ∞	5.2 ~ ∞	6.80 ~ ∞

OLYMPUS

ZUIKO 55^{mm} F1.2

Characteristics

- It is a standard focal-length lens with the fastest maximum aperture of F1.2 currently available in 35mm SLR systems.
- Despite the fast lens speed, high resolving power shows no edge fall-off in the picture.
- It produces extremely pleasing out-of-focus effects at full aperture.
- It permits close-ups up to 45cm subject distance.

Applications

- Night photography taking advantage of F1.2 maximum aperture
- Interiors
- General photography

Notes • Related Units

- Lens hood is sold separately.
- Accurate focusing is required at full lens opening since the depth of field is extremely shallow.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
43°	7-6	Auto.	1.2-16	0.45m (1.5)	23 × 15cm (9.1 × 5.9)	Straight helicoid	310g. (10.9)	47mm (1.9)	65mm (2.6)	57mm Slide-on	55mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 55mm F1.2

● Zuiko Lens

6 groups 7 elements
Angle of view: 43°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 55mm ϕ
Hood: 57mm ϕ slide-on (optional)

● Depth of Field Preview Button

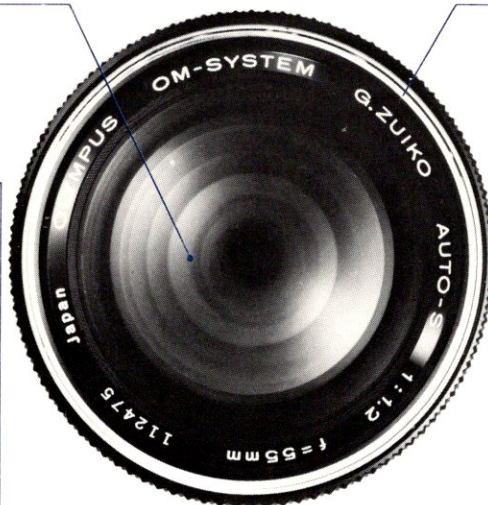
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

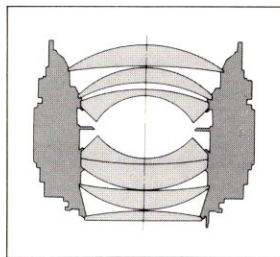
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.														
	※ 0.45	※ 0.5	※ 0.7	※ 1	※ 1.5	※ 2	※ 3	※ 5	※ 10	※ ∞					
F-stop	1.2	0.45 0.50	0.69 0.71	0.99 1.01	1.47 1.53	1.95 2.05	2.89 3.12	4.70 5.34	8.86 11.5	76.0 ∞					
	1.4	0.45 0.50	0.69 0.71	0.99 1.01	1.47 1.53	1.95 2.06	2.88 3.13	4.67 5.38	8.74 11.7	67.9 ∞					
	2	0.45 0.50	0.69 0.71	0.98 1.02	1.46 1.54	1.92 2.08	2.83 3.19	4.54 5.57	8.29 12.6	47.7 ∞					
	2.8	0.45 0.50	0.69 0.71	0.98 1.03	1.44 1.56	1.90 2.12	2.77 3.28	4.39 5.83	7.76 14.1	34.1 ∞					
	4	0.44 0.46	0.68 0.72	0.97 1.04	1.42 1.59	1.86 2.17	2.68 3.41	4.16 6.28	7.08 17.0	23.9 ∞					
	5.6	0.44 0.46	0.68 0.72	0.95 1.05	1.39 1.63	1.80 2.25	2.57 3.61	3.89 7.00	6.34 23.7	17.1 ∞					
	8	0.44 0.46	0.67 0.73	0.93 1.08	1.35 1.69	1.73 2.37	2.42 3.95	3.56 8.45	5.49 58.0	12.0 ∞					
	11	0.43 0.47	0.66 0.75	0.91 1.11	1.30 1.78	1.65 2.55	2.26 4.48	3.21 11.4	4.70 ∞	8.73 ∞					
	16	0.43 0.47	0.64 0.77	0.87 1.17	1.22 1.95	1.53 2.92	2.03 5.80	2.7 27.6	3.79 ∞	6.02 ∞					

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	※ 2	※ 3	※ 4	※ 6	※ 8	※ 12	30	※ ∞		
F-stop	1.2	1.99 2.01	2.97 3.03	3.94 4.06	5.87 6.14	7.77 8.25	11.5 22.6	26.8 34.0	245	—
	1.4	1.99 2.01	2.97 3.03	3.94 4.06	5.85 6.15	7.74 8.28	11.4 22.7	26.5 34.6	220	—
	2	1.98 2.02	2.95 3.05	3.91 4.09	5.79 6.22	7.63 8.41	11.2 23.0	25.3 37.0	155	—
	2.8	1.97 2.03	2.93 3.07	3.88 4.13	5.72 6.31	7.50 8.58	10.9 23.4	23.8 40.8	111	—
	4	1.96 2.04	2.91 3.10	3.83 4.19	5.60 6.46	7.30 8.85	10.5 24.1	21.8 48.2	78.0	—
	5.6	1.95 2.06	2.87 3.14	3.76 4.27	5.46 6.66	7.05 9.25	19.9 25.1	19.7 63.6	55.9	—
	8	1.93 2.08	2.82 3.21	3.67 4.40	5.26 6.99	6.71 9.92	19.28 7.0	17.1 123	39.2	—
	11	1.90 2.11	2.76 3.30	3.56 4.57	5.03 7.46	6.33 11.0	28.55 0.2	14.8 ∞	28.6	—
	16	1.86 2.17	2.66 3.45	3.39 4.89	4.68 8.39	5.79 13.1	27.57 9.5	12.0 ∞	19.7	—

ZUIKO 50^{mm} F1.4

Characteristics

- The second fastest lens in the OM System.
- It is designed to minimize the total length.
- The sophisticated 7-element design produces high resolution and excellent contrast.
- Sharp images are yielded even at maximum aperture.
- Close-up up to 45cm is possible.

Applications

- Night photography
- Interior photography
- General photography

Notes • Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F / stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	7-6	Auto.	1.4-16	0.45m (1.5)	24 × 16cm (9.4 × 6.3)	Straight helicoid	230g. (8.1)	36mm (1.5)	60mm (2.4)	51mm Slide-on	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 50mm F1.4

● Zuiko Lens

6 groups 7 elements
Angle of view: 47°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 51mm ϕ slide-on (optional) (p.187)

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

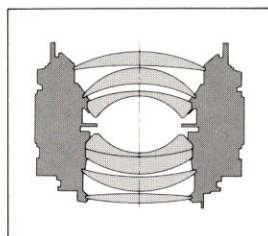
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※0.45	0.5	※0.7	※1	※1.5	※2	※3	※5	※10	※∞	
F-stop	1.4	0.45~0.45	0.50~0.50	0.69~0.71	0.99~1.02	1.47~1.54	1.94~2.07	2.86~3.16	4.61~5.46	8.5~12.05	57.78~∞	
	2	0.45~0.45	0.50~0.50	0.69~0.71	0.98~1.02	1.45~1.55	1.91~2.10	2.80~3.23	4.47~5.68	8.0~13.21	40.53~∞	
	2.8	0.45~0.45	0.49~0.51	0.69~0.71	0.97~1.03	1.43~1.57	1.88~2.14	2.73~3.33	4.28~6.01	7.47~15.16	28.99~∞	
	4	0.44~0.46	0.49~0.51	0.68~0.72	0.96~1.04	1.41~1.61	1.83~2.20	2.63~3.49	4.04~6.58	6.74~19.47	20.33~∞	
	5.6	0.44~0.46	0.49~0.51	0.67~0.73	0.94~1.06	1.37~1.66	1.77~2.30	2.51~3.74	3.75~7.53	5.96~31.40	14.54~∞	
	8	0.44~0.46	0.48~0.52	0.66~0.74	0.92~1.09	1.32~1.73	1.69~2.45	2.34~4.19	3.39~9.63	5.08~396.65	10.19~∞	
	11	0.43~0.47	0.48~0.53	0.65~0.76	0.90~1.13	1.27~1.84	1.60~2.68	2.76~4.92	3.02~14.80	4.30~∞	7.43~∞	
	16	0.42~0.48	0.47~0.54	0.63~0.79	0.86~1.21	1.18~2.06	1.47~3.18	1.92~6.96	2.56~14.21	3.42~∞	5.12~∞	

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
		※2	※3	※4	※6	※8	※12	※30	※∞			
F-stop	1.4	1.98~2.02	2.96~3.04	3.93~4.08	5.83~6.18	7.69~8.33	11.31~12.78	25.97~35.51	187.12~∞			
	2	1.98~2.02	2.94~3.06	3.90~4.11	5.76~6.26	7.57~8.48	11.04~13.14	24.56~38.56	131.76~∞			
	2.8	1.97~2.03	2.92~3.08	3.86~4.16	5.67~6.37	7.41~8.69	10.70~13.66	22.90~43.53	94.51~∞			
	4	1.95~2.05	2.89~3.12	3.80~4.23	5.54~6.55	7.19~9.03	10.23~14.52	20.80~53.98	66.38~∞			
	5.6	1.94~2.07	2.85~3.17	3.72~4.32	5.37~6.80	6.91~9.52	9.66~15.86	18.53~79.45	47.54~∞			
	8	1.91~2.10	2.79~3.25	3.62~4.48	5.15~7.21	6.53~10.36	8.92~18.4	15.93~273.25	33.37~∞			
	11	1.88~2.14	2.72~3.36	3.49~4.69	4.89~7.80	6.11~11.66	8.14~23.1	13.56~∞	24.32~∞			
	16	1.83~2.21	2.60~3.55	3.30~5.10	4.51~9.04	5.52~14.74	7.11~39.9	10.87~∞	16.78~∞			

ZUIKO 50^{mm} F1.8

Characteristics

- The most convenient to operate among the standard lenses.
- Since various aberrations are compensated for almost completely, it provides high resolution over the entire picture area.
- Tipping the scale at a mere 170g (6.0 oz.), it is one of the smallest and lightest lenses.
- Close-up up to 45cm is possible.

Applications

- Interior photography
- General photography

Notes • Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	6-5	Auto.	1.8-16	0.45m (1.5)	24 × 16cm (9.4 × 6.3)	Straight helicoid	170g. (6.0)	31mm (1.2)	59mm (2.3)	51mm Slide-on	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 50mm F1.8

● Zuiko Lens

5 groups 6 elements
Angle of view: 47°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm
Hood: 51mm ϕ slide-on (optional)(p.187)

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

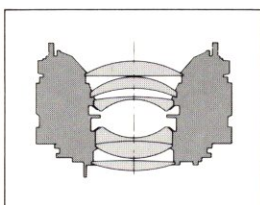
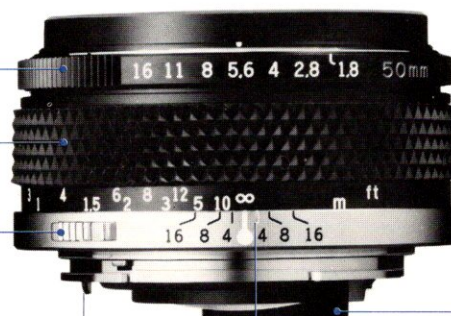
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	※ 0.45	0.5	※ 0.7	※ 1	※ 1.5	※ 2	※ 3	※ 5	※ 10	※ ∞	
F-stop	1.8	0.45~ 0.50	0.50~ 0.71	0.69~ 1.02	0.98~ 1.55	1.46~ 2.09	2.82~ 3.20	4.52~ 5.60	8.21~ 12.79	45.05~ ∞	
	2	0.45~ 0.50	0.50~ 0.71	0.69~ 1.02	0.98~ 1.55	1.45~ 2.10	2.80~ 3.23	4.47~ 5.68	8.05~ 13.20	40.57~ ∞	
	2.8	0.45~ 0.51	0.49~ 0.71	0.68~ 1.03	0.96~ 1.57	1.41~ 2.14	2.63~ 3.33	4.04~ 6.01	6.74~ 15.15	29.02~ ∞	
	4	0.44~ 0.46	0.49~ 0.51	0.68~ 0.72	0.96~ 1.04	1.41~ 1.61	2.63~ 2.20	4.04~ 6.57	6.74~ 19.44	20.35~ ∞	
	5.6	0.44~ 0.46	0.49~ 0.51	0.67~ 0.73	0.94~ 1.06	1.37~ 1.66	2.51~ 2.29	3.75~ 7.52	5.96~ 31.31	14.55~ ∞	
	8	0.44~ 0.46	0.48~ 0.52	0.66~ 0.74	0.92~ 1.09	1.32~ 1.73	2.34~ 2.45	3.39~ 4.18	5.09~ 378.10	10.21~ ∞	
	11	0.43~ 0.47	0.48~ 0.53	0.65~ 0.76	0.90~ 1.13	1.27~ 1.84	2.17~ 2.68	3.02~ 4.91	4.30~ 14.74	7.44~ ∞	
	16	0.43~ 0.48	0.47~ 0.54	0.63~ 0.79	0.86~ 1.20	1.19~ 2.05	1.93~ 3.17	2.57~ 6.93	3.42~ 138.43	5.13~ ∞	

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	※ 2	※ 3	※ 4	※ 6	※ 8	※ 12	30	※ ∞		
F-stop	1.8	1.98~ 2.02	2.95~ 3.05	3.91~ 4.10	5.78~ 6.23	7.61~ 8.43	11.13~ 13.01	25.02~ 37.47	146.31~ ∞	
	2	1.98~ 2.02	2.94~ 3.06	3.90~ 4.11	5.76~ 6.26	7.57~ 8.48	11.05~ 13.14	24.57~ 38.54	131.88~ ∞	
	2.8	1.97~ 2.03	2.92~ 3.08	3.86~ 4.15	5.67~ 6.37	7.41~ 8.69	10.71~ 13.66	22.91~ 43.50	94.60~ ∞	
	4	1.96~ 2.05	2.89~ 3.12	3.80~ 4.22	5.54~ 6.54	7.19~ 9.02	10.23~ 14.51	20.81~ 53.91	66.45~ ∞	
	5.6	1.94~ 2.07	2.85~ 3.17	3.72~ 4.32	5.38~ 6.79	6.91~ 9.51	9.67~ 15.85	18.54~ 79.26	47.60~ ∞	
	8	1.91~ 2.10	2.79~ 3.25	3.62~ 4.48	5.15~ 7.20	6.53~ 10.35	8.93~ 18.38	15.95~ 270.28	33.41~ ∞	
	11	1.88~ 2.13	2.72~ 3.35	3.49~ 4.69	4.89~ 7.79	6.11~ 11.64	8.15~ 23.00	13.58~ ∞	23.36~ ∞	
	16	1.83~ 2.20	2.61~ 3.51	3.31~ 5.09	4.52~ 9.02	5.53~ 14.70	7.12~ 39.68	10.89~ ∞	16.80~ ∞	

ZUIKO MACRO 50^{mm} F3.5

Characteristics

- This is the world's first macro lens in which a floating element group was incorporated.
- It was originally designed to achieve the best performance up to 1/10 life size. However, with the incorporation of the new mechanism, it offers high resolution throughout the focusing range from infinity to 1/2 life size.
- It is unusually compact and light for a macro 50mm lens.

Applications

- Close-up and copying work
- General photography

Notes • Related Units

- Lens hood is not necessary.
- Combined with Extension Tube 25, the lens extends the reproduction ratio from 1/2 to 1:1 life size. However, to obtain best results in this range, the use of 1:1 Macro 80mm F4 (with Auto Bellows) is recommended (pp.511 & 173).
- When an extension tube is used, the automatic diaphragm becomes ineffective and stopped-down metering is required.
- Compatible focusing screens: 1-1 ~ 1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	5-4	Auto.	3.5-22	0.23m (0.8)	72 × 48mm (2.8 × 1.9)	Straight helicoid	200g. (7.1)	40mm (1.6)	60mm (2.4)	Not necessary	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO MACRO 50^{mm} F3.5

● Zuiko Lens

4 groups 5 elements
Angle of view: 47°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. The lens has an automatic diaphragm.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring. Reproduction ratios are engraved on the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: not necessary

● Depth of Field Preview Button

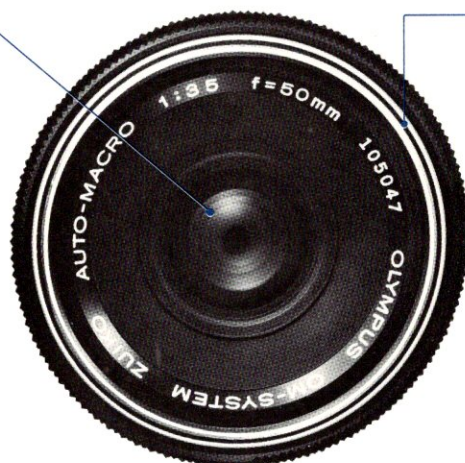
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

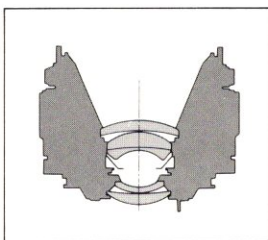
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	* 0.23	* 0.25	* 0.3	* 0.4	* 0.5	* 0.7	* 1	2	* 3	* ∞	
F-stop	3.5	0.23 ~ 0.25	0.25 ~ 0.30	0.30 ~ 0.40	0.40 ~ 0.51	0.51 ~ 0.68	0.68 ~ 0.96	0.96 ~ 1.85	1.85 ~ 2.67	2.67 ~ 23.21	
	4	0.23 ~ 0.25	0.25 ~ 0.30	0.30 ~ 0.40	0.40 ~ 0.51	0.51 ~ 0.68	0.68 ~ 0.96	0.96 ~ 1.83	1.83 ~ 2.63	2.63 ~ 20.32	
	5.6	0.23 ~ 0.25	0.25 ~ 0.30	0.30 ~ 0.39	0.39 ~ 0.41	0.41 ~ 0.51	0.51 ~ 0.67	0.67 ~ 0.93	0.93 ~ 1.77	1.77 ~ 14.53	
	8	0.23 ~ 0.25	0.25 ~ 0.30	0.30 ~ 0.39	0.39 ~ 0.41	0.41 ~ 0.52	0.52 ~ 0.66	0.66 ~ 0.92	0.92 ~ 1.69	1.69 ~ 10.19	
	11	0.23 ~ 0.25	0.25 ~ 0.31	0.31 ~ 0.41	0.41 ~ 0.52	0.52 ~ 0.76	0.76 ~ 0.90	0.90 ~ 1.60	1.60 ~ 2.17	2.17 ~ 7.43	
	16	0.23 ~ 0.25	0.25 ~ 0.31	0.31 ~ 0.42	0.42 ~ 0.54	0.54 ~ 0.79	0.79 ~ 1.20	1.20 ~ 3.17	3.17 ~ 6.93	6.93 ~ 5.12	
	22	0.23 ~ 0.26	0.26 ~ 0.31	0.31 ~ 0.43	0.43 ~ 0.55	0.55 ~ 0.82	0.82 ~ 1.31	1.31 ~ 4.07	4.07 ~ 13.81	13.81 ~ 3.74	

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
	* 9"	* 10"	* 1	* 1.2	* 1.5	* 2	* 3	* 4	* 6	8	10
F-stop	3.5	0.75 ~ 0.83	0.83 ~ 0.99	0.99 ~ 1.24	1.24 ~ 1.48	1.48 ~ 1.96	1.96 ~ 2.90	2.90 ~ 3.82	3.82 ~ 5.60	5.60 ~ 7.28	7.28 ~ 8.89
	4	0.75 ~ 0.83	0.83 ~ 0.99	0.99 ~ 1.24	1.24 ~ 1.48	1.48 ~ 1.96	1.96 ~ 2.89	2.89 ~ 3.80	3.80 ~ 5.54	5.54 ~ 7.19	7.19 ~ 8.75
	5.6	0.75 ~ 0.83	0.83 ~ 0.99	0.99 ~ 1.23	1.23 ~ 1.47	1.47 ~ 1.94	1.94 ~ 2.85	2.85 ~ 3.73	3.73 ~ 5.38	5.38 ~ 6.91	6.91 ~ 8.34
	8	0.75 ~ 0.83	0.83 ~ 0.99	0.99 ~ 1.22	1.22 ~ 1.46	1.46 ~ 1.91	1.91 ~ 2.79	2.79 ~ 3.62	3.62 ~ 5.15	5.15 ~ 6.53	6.53 ~ 7.79
	11	0.75 ~ 0.84	0.84 ~ 1.01	1.01 ~ 1.28	1.28 ~ 1.55	1.55 ~ 2.10	2.10 ~ 3.25	3.25 ~ 4.47	4.47 ~ 7.20	7.20 ~ 10.35	10.35 ~ 14.03
	16	0.74 ~ 0.82	0.82 ~ 0.98	0.98 ~ 1.21	1.21 ~ 1.44	1.44 ~ 1.88	1.88 ~ 2.72	2.72 ~ 3.50	3.50 ~ 4.89	4.89 ~ 6.11	6.11 ~ 7.19
	22	0.74 ~ 0.85	0.85 ~ 1.04	1.04 ~ 1.33	1.33 ~ 1.64	1.64 ~ 2.29	2.29 ~ 3.80	3.80 ~ 5.67	5.67 ~ 11.14	11.14 ~ 21.55	21.55 ~ 49.01

OLYMPUS

ZUIKO ZOOM 75-150mm F4



Characteristics

- The 75-150mm zoom is a most versatile, popular lens. Designed for unusual compactness, its total length is a mere 115mm (4.5").
- Once in focus, the zoom needs no refocusing when the focal length is changed. It maintains as high performances as those of fixed-focus lenses.
- At the minimum focusing distance (1.6m), the whole of subject's face is cropped.

Applications

- Portraits
- Snapshots, scenery
- Mountains
- Sports events

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-6, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
32°-16°	15-11	Auto.	4-22	1.6m (5.2)	64 × 42cm (75mm) 32 × 21cm (150mm)	Straight helicoid	440g (15.5)	115mm (4.5)	63mm (2.5)	Built-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO ZOOM 75~150mm F4

● Zuiko Lens

11 groups 15 elements
Angle of view: 32°~16°

● Lens Hood

Built in, retractable.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Zoom Ring

The ridged ring has feel and touch distinguishable from the focusing ring: 90° rotation for full zooming range.

● Lens Release Button

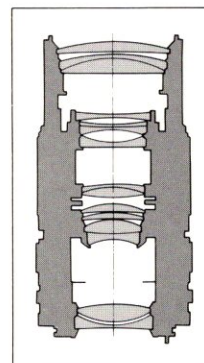
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ



● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Actual size

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale		(f=75mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		*1.6	*2	*3	*5	*7	*10	15	*30	40	50	*∞
F-Stop	4	1.56	1.94	2.85	4.58	6.18	8.38	11.57	18.73	22.15	24.87	48.77
		1.64	2.06	3.16	5.51	8.08	12.43	21.38	76.33	213.60		
	5.6	1.55	1.92	2.80	4.43	5.90	7.85	10.58	16.22	18.71	20.61	34.59
		1.65	2.09	3.24	5.76	8.64	13.83	25.98	214.06			
	8	1.53	1.88	2.72	4.23	5.54	7.21	9.44	13.64	15.35	16.60	24.54
F-Stop		1.68	2.13	3.45	6.14	9.57	16.46	37.42				
	11	1.50	1.84	2.62	3.97	5.10	6.47	8.19	11.15	12.26	13.03	17.43
		1.71	2.19	3.62	6.79	11.31	22.58	100.11				
	16	1.47	1.78	2.49	3.67	4.59	5.66	6.91	8.88	9.56	10.02	12.39
		1.76	2.29	3.79	8.00	15.28	47.98					
F-Stop	22	1.42	1.71	2.34	3.31	4.03	4.82	5.68	6.91	7.31	7.57	8.82
		1.84	2.44	4.77	0.74	30.61						
Distance scale		(f=100mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		*1.6	*2	*3	*5	*7	*10	15	*30	40	50	*∞
F-Stop	4	1.58	1.97	2.92	4.75	6.61	9.01	12.85	22.37	27.46	31.81	85.80
		1.62	2.04	3.09	5.28	7.57	11.24	18.04	45.63	73.88	117.95	
	5.6	1.57	1.95	2.88	4.66	6.33	8.66	12.13	20.25	24.32	27.65	60.89
		1.63	2.05	3.13	5.40	7.84	11.85	19.69	58.22	113.98	267.91	
	8	1.56	1.93	2.84	4.53	6.09	8.20	11.24	17.85	20.93	23.35	43.18
F-Stop		1.64	2.07	3.19	5.59	8.25	12.84	22.64	95.71	495.45		
	11	1.54	1.91	2.77	4.36	5.78	7.64	10.19	15.30	17.50	19.15	30.63
		1.66	2.11	3.27	5.87	8.91	14.56	28.75				
	16	1.52	1.87	2.69	4.14	5.39	6.96	9.00	12.74	14.22	15.28	21.74
		1.69	2.15	3.40	6.33	10.06	18.00	46.59				
F-Stop	22	1.49	1.82	2.58	3.87	4.93	6.19	7.74	10.32	11.25	11.90	15.44
		1.73	2.22	3.60	7.13	12.32	27.08	400.60				
Distance scale		(f=150mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		*1.6	*2	*3	*5	*7	*10	15	*30	40	50	*∞
F-Stop	4	1.59	1.98	2.95	4.89	6.77	9.54	13.96	26.06	33.27	39.89	191.67
		1.61	2.02	3.04	5.12	7.24	10.51	16.21	35.35	50.16	67.01	
	5.6	1.59	1.98	2.95	4.84	6.69	9.36	13.58	24.72	31.11	36.82	136.36
		1.61	2.02	3.06	5.17	7.35	10.74	16.76	38.17	56.07	78.02	
	8	1.58	1.97	2.92	4.78	6.56	9.11	13.06	23.05	28.49	33.20	96.86
F-Stop		1.62	2.03	3.08	5.24	7.50	11.08	17.62	43.03	67.29	01.67	
	11	1.57	1.96	2.89	4.69	6.40	8.79	12.40	21.03	25.47	29.15	68.75
		1.63	2.05	3.11	5.35	7.43	11.60	19.00	52.51	93.89	178.12	
	16	1.56	1.94	2.85	4.58	6.18	8.38	11.57	18.73	22.15	24.87	48.77
		1.64	2.06	3.16	5.51	8.08	12.43	21.38	76.33	213.58		
F-Stop	22	1.55	1.92	2.80	4.43	5.90	7.85	10.58	16.22	18.71	20.61	34.59
		1.65	2.09	3.24	5.76	8.64	13.83	25.98	214.04			

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale		(f=75mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		*6	*8	*12	*20	*30	*50	100	150	* ∞	
F-Stop	4	5.84	7.69	11.27	17.95	26.04	38.44	62.04	78.01	158.25	
		6.17	8.33	12.84	22.60	71.77	260.99				
	5.6	5.78	7.57	11.00	17.22	35.09	53.65	86.30	112.61		
		6.24	8.48	13.22	23.90	87.67	292.47				
	8	5.69	7.41	10.63	16.29	31.26	45.07	52.85	80.09		
F-Stop		6.35	8.70	13.81	26.02	127.89					
	11	5.57	7.20	10.16	15.14	27.11	36.80	41.78	56.96		
		6.51	9.03	14.73	29.78	368.19					
	16	5.41	6.91	9.56	13.78	22.84	29.26	32.28	40.53		
		6.76	9.55	16.30	37.49						
F-Stop	22	5.21	6.55	8.83	12.23	18.73	22.75	24.50	28.89		
		7.14	10.40	19.21	59.54						
Distance scale		(f=100mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		*6	*8	*12	*20	*30	*50	100	150	* ∞	
F-Stop	4	5.91	7.82	11.58	18.78	42.72	74.27	98.52	276.14		
		6.10	8.19	12.46	21.39	60.32	153.38	315.75			
	5.6	5.87	7.75	11.41	18.32	40.30	67.14	86.30	197.06		
		6.14	8.26	12.66	22.03	65.98	197.09	583.71			
	8	5.82	7.66	11.18	17.71	37.32	59.13	73.43	140.32		
F-Stop		6.19	8.38	12.95	23.00	76.11	330.79				
	11	5.75	7.52	10.88	16.92	33.79	50.61	60.69	99.82		
		6.28	8.55	13.40	24.53	97.29					
	16	5.65	7.34	10.48	15.91	29.82	42.08	48.77	70.98		
		6.40	8.80	14.08	27.09	160.90					
F-Stop	22	5.52	7.10	9.96	14.68	25.60	34.03	38.22	50.49		
		6.59	9.19	15.19	31.83						
Distance scale		(f=150mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		*6	*8	*12	*20	*30	*50	100	150	* ∞	
F-Stop	4	5.96	7.92	11.81	19.44	46.49	86.70	121.81	602.59		
		6.04	8.08	12.20	20.59	54.09	118.17	195.28			
	5.6	5.94	7.89	11.73	19.22	45.18	82.18	113.03	433.93		
		6.06	8.11	12.28	20.85	55.99	127.80	223.24			
	8	5.92	7.84	11.62	18.92	43.45	76.54	102.57	313.97		
F-Stop		6.08	8.16	12.40	21.22	58.92	144.46	279.97			
	11	5.89	7.78	11.48	18.50	41.22	69.78	90.73	222.09		
		6.12	8.23	12.58	21.77	63.63	177.19	437.42			
	16	5.84	7.69	11.27	17.95	38.44	62.04	78.01	158.26		
		6.17	8.33	12.84	22.60	71.77	260.98				
F-Stop	22	5.78	7.57	11.00	17.22	35.09	53.65	65.14	112.61		
		6.24	8.48	13.22	23.90	87.67	292.38				

OLYMPUS

ZUIKO 85^{mm} F2

Characteristics

- The 85mm is an ideal lens for portraits because it depicts pleasing out-of-focus foregrounds and backgrounds as well as natural perspective.
- It has the smallest, lightest configuration in its class.
- It incorporates a floating element group for the first time in the world for a telephoto, ensuring superior image quality even at close distances.

Applications

- Portraits
- Night scenes, interiors
- Stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
29°	6-4	Auto.	2-16	0.85m (2.8)	25 × 17cm (9.8 × 6.7)	Straight helicoid	260g. (9.2)	46mm (1.8)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 85mm F2

● Zuiko Lens

4 groups 6 elements
Angle of view: 29°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in (sold with lens as a set) (p.187)

● Depth of Field Preview Button

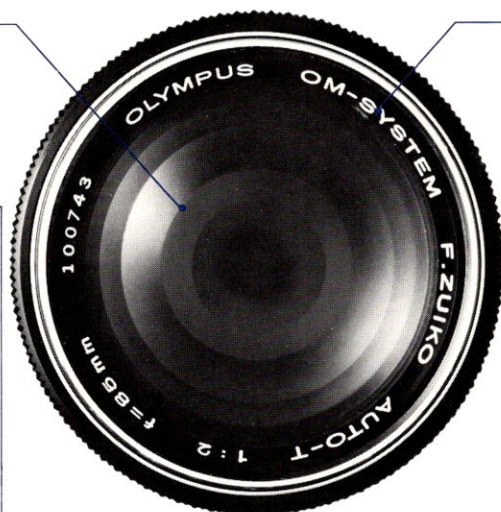
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

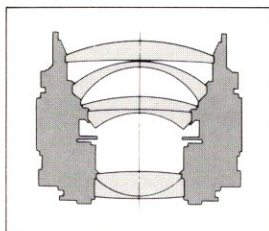
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.85	※1	※1.5	※2	※3	※5	※10	30	50	※∞
F-stop	2	0.85	0.99	1.48	1.97	2.93	4.79	9.18	23.59	34.38	108.34
		0.85	1.01	1.52	2.03	3.08	5.23	10.98	41.21	91.73	∞
	2.8	0.84	0.99	1.48	1.96	2.90	4.71	8.89	21.74	30.57	77.65
		0.86	1.01	1.52	2.05	3.11	5.32	11.43	48.46	137.77	∞
	4	0.84	0.99	1.47	1.94	2.86	4.60	8.49	19.44	26.21	54.51
		0.86	1.01	1.54	2.07	3.16	5.48	12.17	65.86	558.79	∞
	5.6	0.84	0.98	1.45	1.91	2.80	4.46	8.01	17.05	22.02	39.02
		0.86	1.02	1.55	2.09	3.23	5.69	13.33	126.46	∞	∞
	8	0.83	0.97	1.43	1.88	2.73	4.26	7.38	14.39	17.77	27.37
		0.87	1.03	1.57	2.14	3.34	6.06	15.57	∞	∞	∞
	11	0.83	0.96	1.41	1.84	2.64	4.04	6.72	12.05	14.33	19.94
		0.88	1.04	1.60	2.19	3.48	6.58	19.69	∞	∞	∞
16	0.81	0.95	1.38	1.77	2.50	3.72	5.85	9.49	10.83	13.74	
	0.89	1.06	1.65	2.30	3.76	7.69	35.36	∞	∞	∞	

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
	※3	※4	※6	※8	※12	※20	50	100	150	※∞	
F-stop	2	2.98 3.02	3.97 4.04	5.91 6.09	7.84 8.16	11.64 12.39	18.99 21.13	43.98 57.94	78.37 138.21	105.99 256.75	346.92 ∞
	2.8	2.97 3.03	3.95 4.05	5.88 6.12	7.78 8.23	11.50 12.55	18.61 21.62	41.96 61.88	72.13 163.17	94.87 359.08	250.35 ∞
	4	2.96 3.04	3.93 4.07	5.83 6.18	7.69 8.33	11.30 12.80	18.07 22.40	39.26 68.91	64.45 223.86	81.98 893.75	176.65 ∞
	5.6	2.95 3.05	3.90 4.10	5.77 6.25	7.58 8.48	11.04 13.15	17.40 23.53	36.16 81.22	56.44 444.54	69.41 ∞	126.89 ∞
	8	2.93 3.07	3.86 4.15	5.67 6.37	7.41 8.70	10.67 13.71	16.49 25.46	32.33 111.01	47.58 ∞	56.45 ∞	89.24 ∞
	11	2.90 3.10	3.82 4.21	5.56 6.52	7.21 8.99	10.25 14.49	15.47 28.37	28.56 205.36	39.79 ∞	45.79 ∞	65.13 ∞
	16	2.86 3.15	3.74 4.31	5.38 6.79	6.90 9.54	9.62 16.02	14.03 35.09	23.93 ∞	31.28 ∞	34.85 ∞	44.95 ∞

OLYMPUS

ZUIKO 100mm F2.8



Characteristics

- As small and light as a conventional standard lens.
- It has high resolving power and reveals pleasing out-of-focus foregrounds and backgrounds.
- Aberrations are minimized for superb image quality even at close focusing distances.

Applications

- Portraits
- Snapshots
- Interiors, stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
24°	5-5	Auto.	2.8-22	1 m (3.3)	29×19cm (11.4×7.5)	Straight helicoid	230g. (8.1)	48mm (1.9)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 100mm F2.8

● Zuiko Lens

5 groups 5 elements
Angle of view: 24°

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in (sold with lens as a set) (p.187)

● Depth of Field Preview Button

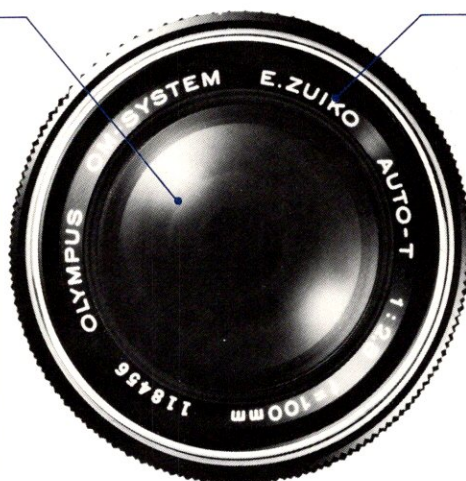
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

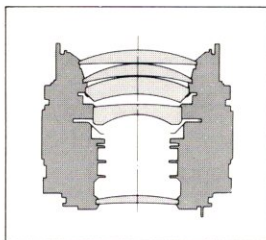
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
	*1	*1.5	*2	*3	*5	*10	30	50	* ∞
F-stop	2.8	0.99~1.01	1.48~1.52	1.97~2.03	2.93~3.08	4.79~5.23	9.18~10.98	34.29~41.34	107.32~ ∞
	4	0.99~1.01	1.48~1.52	1.96~2.05	2.90~3.11	4.71~5.33	8.87~11.47	21.57~49.34	75.40~ ∞
	5.6	0.99~1.01	1.47~1.53	1.94~2.06	2.86~3.16	4.60~5.48	8.48~12.18	19.39~66.52	26.11~615.55
	8	0.98~1.02	1.45~1.55	1.91~2.09	2.80~3.23	4.45~5.71	7.97~13.45	16.85~139.50	21.68~ ∞
	11	0.98~1.03	1.44~1.57	1.88~2.13	2.73~3.33	4.28~6.03	7.41~15.45	14.48~ ∞	17.89~27.61
	16	0.97~1.04	1.41~1.60	1.84~2.20	2.63~3.50	4.01~6.66	6.63~20.57	11.73~ ∞	13.87~19.03
22	0.95~1.05	1.38~1.64	1.78~2.28	2.51~3.73	3.74~7.61	5.89~34.26	9.56~ ∞	10.93~ ∞	13.88~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.								
	*4	*6	*8	*12	*20	*50	100	150	* ∞
F-stop	2.8	3.97~4.03	5.92~6.09	7.85~8.16	11.64~12.38	18.99~21.13	43.95~58.00	78.24~138.63	105.74~258.36
	4	3.95~4.05	5.88~6.12	7.78~8.23	11.49~12.56	18.58~21.66	41.79~62.28	71.57~166.19	93.88~374.44
	5.6	3.93~4.07	5.84~6.17	7.70~8.33	11.30~12.79	18.07~22.40	39.21~69.07	64.28~226.18	81.68~935.26
	8	3.91~4.10	5.77~6.25	7.58~8.48	11.03~13.17	17.36~23.61	35.90~82.61	55.76~494.07	68.37~ ∞
	11	3.87~4.14	5.69~6.35	7.43~8.67	10.70~13.67	16.54~25.34	32.48~109.50	47.85~ ∞	56.82~90.04
	16	3.82~4.20	5.56~6.53	7.20~9.02	10.21~14.59	15.34~28.86	28.04~240.02	38.72~ ∞	44.36~ ∞
22	3.76~4.28	5.41~6.75	6.94~9.47	9.67~15.89	14.12~34.66	24.10~ ∞	31.53~ ∞	35.15~ ∞	45.39~ ∞

OLYMPUS

ZUIKO 135^{mm} F2.8

Characteristics

- The 135mm is the most popular among telephotos because it is small, light, easy to handle and produces satisfactory telephoto effect.
- Despite the bright F2.8 aperture, it is extremely compact.
- Various aberrations are well compensated, it offers high resolution and excellent contrast.

Applications

- Portraits
- Scenery
- Indoor sports, stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-5	Auto.	2.8-22	1.5m (4.9)	32×21cm (12.6×8.3)	Straight helicoid	360g. (12.7)	80mm (3.1)	61mm (2.4)	Built-in	55mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 135mm F2.8

● Zuiko Lens

5 groups 5 elements
Angle of view: 18°

● Lens Hood

Built in, retractable.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 55mm ϕ

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

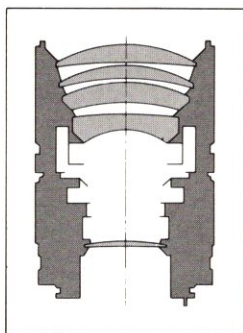
● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

Actual size



Depth of Field Table Figures with * are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	※1.5	※2	※3	※5	※7	※10	※30	50	※∞	
F-stop	2.8	1.49~ 1.51	1.98~ 2.02	2.96~ 3.04	4.88~ 5.12	6.77~ 7.25	9.53~ 10.52	26.03~ 35.40	39.83~ 67.18	190.51~ ∞
	4	1.49~ 1.51	1.98~ 2.02	2.94~ 3.06	4.84~ 5.18	6.68~ 7.36	9.34~ 10.76	24.64~ 38.37	36.64~ 78.80	134.16~ ∞
	5.6	1.48~ 1.52	1.97~ 2.03	2.92~ 3.08	4.77~ 5.25	6.55~ 7.51	9.10~ 11.10	22.99~ 43.20	33.10~ 102.44	96.23~ ∞
	8	1.48~ 1.52	1.95~ 2.05	2.89~ 3.12	4.68~ 5.36	6.38~ 7.76	8.76~ 11.65	20.91~ 53.26	28.92~ 186.36	67.60~ ∞
	11	1.47~ 1.53	1.94~ 2.07	2.85~ 3.17	4.58~ 5.52	6.18~ 8.08	8.38~ 12.42	18.78~ 75.17	24.98~ ∞	49.29~ ∞
	16	1.45~ 1.55	1.91~ 2.10	2.79~ 3.25	4.41~ 5.79	5.86~ 8.70	7.80~ 13.96	16.06~ 240.12	20.37~ ∞	33.98~ ∞
	22	1.44~ 1.57	1.88~ 2.14	2.72~ 3.35	4.22~ 6.15	5.53~ 9.57	7.21~ 16.42	13.68~ ~	16.68~ ∞	24.77~ ∞

Depth of Field Table Figures with * are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※ 6	※ 8	※ 12	※ 20	※ 50	100	150	※ ∞
F-stop	2.8	5.96 ~ 6.04	7.92 ~ 8.08	11.80 ~ 12.20	19.43 ~ 20.61	46.45 ~ 54.14	86.59 ~ 118.36	121.62 ~ 195.75	599.06 ~ ∞
	4	5.94 ~ 6.06	7.88 ~ 8.12	11.72 ~ 12.30	19.20 ~ 20.88	45.08 ~ 56.14	81.88 ~ 128.48	112.50 ~ 225.21	427.13 ~ ∞
	5.6	5.91 ~ 6.09	7.84 ~ 8.17	11.61 ~ 12.42	18.89 ~ 21.25	43.37 ~ 59.04	76.36 ~ 145.02	102.29 ~ 281.80	308.98 ~ ∞
	8	5.88 ~ 6.13	7.77 ~ 8.25	11.45 ~ 12.61	18.46 ~ 21.84	41.05 ~ 64.02	69.35 ~ 179.78	90.04 ~ 452.56	218.43 ~ ∞
	11	5.83 ~ 6.18	7.68 ~ 8.34	11.26 ~ 12.85	17.94 ~ 22.62	38.47 ~ 71.56	62.21 ~ 256.81	78.33 ~ 873.15	159.93 ~ ∞
	16	5.76 ~ 6.26	7.55 ~ 8.51	10.95 ~ 13.28	17.14 ~ 24.05	34.83 ~ 89.09	53.12 ~ 902.69	64.39 ~ ∞	110.63 ~ ∞
	22	5.68 ~ 6.37	7.39 ~ 8.72	10.61 ~ 13.83	16.27 ~ 26.04	31.29 ~ 126.31	45.22 ~ ∞	53.09 ~ ∞	80.82 ~ ∞

ZUIKO 135^{mm} F3.5

Characteristics

- One of the most popular lenses for tele-photo effects.
- It has a deluxe optical construction of 5 elements to ensure superb definition.
- It is even more compact than the 135mm F2.8 lens.

Applications

- Portraits
- Scenery
- Indoor sports, stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-4	Auto.	3.5-22	1.5m (4.9)	32 × 21cm (12.6 × 8.3)	Straight helicoid	290g (10.2)	73mm (2.9)	60mm (2.4)	Built-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 135mm F3.5

● Zuiko Lens

4 groups 5 elements
Angle of view: 18°

● Lens Hood:

Built in, retractable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ

● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

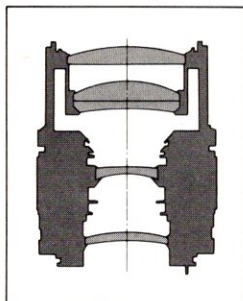
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.



Actual size



Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
	※ 1.5	※ 2	※ 3	※ 5	※ 7	※ 10	※ 30	50	※ ∞
3.5	1.49~ 1.51	1.98~ 2.02	2.95~ 3.05	4.86~ 5.15	6.72~ 7.30	9.43~ 10.65	25.26~ 36.94	38.04~ 73.00	155.18~ ∞
4	1.49~ 1.51	1.98~ 2.02	2.95~ 3.06	4.84~ 5.17	6.68~ 7.35	9.35~ 10.75	24.70~ 38.21	36.78~ 78.14	136.07~ ∞
5.6	1.48~ 1.52	1.97~ 2.03	2.92~ 3.08	4.78~ 5.24	6.56~ 7.50	9.12~ 11.08	23.08~ 42.91	33.27~ 100.89	97.61~ ∞
8	1.48~ 1.52	1.96~ 2.05	2.89~ 3.12	4.69~ 5.36	6.39~ 7.74	8.73~ 11.62	21.00~ 52.64	29.10~ 179.23	68.57~ ∞
11	1.47~ 1.53	1.94~ 2.06	2.85~ 3.16	4.58~ 5.50	6.19~ 8.06	8.40~ 12.37	18.39~ 73.51	25.17~ ∞	50.00~ ∞
16	1.46~ 1.55	1.91~ 2.10	2.79~ 3.24	4.42~ 5.77	5.88~ 8.66	7.83~ 13.87	16.18~ 217.50	20.55~ ∞	34.48~ ∞
22	1.44~ 1.57	1.88~ 2.13	2.72~ 3.34	4.23~ 6.12	5.55~ 9.51	7.25~ 16.24	13.80~ ∞	16.85~ ∞	25.14~ ∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
	※ 6	※ 8	※ 12	※ 20	※ 50	100	150	※ ∞
3.5	5.95~ 6.05	7.90~ 8.10	11.76~ 12.25	19.31~ 20.75	45.71~ 55.19	83.99~ 123.6	116.52~ 210.63	491.78~ ∞
4	5.94~ 6.06	7.89~ 8.12	11.73~ 12.29	19.21~ 20.86	45.15~ 56.03	82.11~ 127.93	112.93~ 223.55	433.63~ ∞
5.6	5.92~ 6.09	7.84~ 8.17	11.62~ 12.41	18.91~ 21.22	43.47~ 58.87	76.64~ 144.04	102.78~ 278.20	313.31~ ∞
8	5.88~ 6.12	7.77~ 8.24	11.47~ 12.59	18.48~ 21.80	41.17~ 63.73	69.68~ 177.64	90.58~ 439.56	221.54~ ∞
11	5.84~ 6.17	7.69~ 8.33	11.28~ 12.83	17.97~ 22.56	38.62~ 71.06	62.58~ 250.92	78.90~ ∞	162.23~ ∞
16	5.77~ 6.25	7.56~ 8.50	10.98~ 13.24	17.19~ 23.95	35.01~ 87.98	53.52~ ∞	64.96~ ∞	112.25~ ∞
22	5.69~ 6.35	7.41~ 8.70	10.64~ 13.78	16.33~ 25.89	31.50~ 123.32	45.62~ ∞	53.63~ ∞	82.02~ ∞

ZUIKO 200^{mm} F4

Characteristics

- This relatively fast and very compact 200 mm lens is ideal for hand-held telephotography.
- Aberration compensation is well balanced, giving excellent resolution from corner to corner.

Applications

- Indoor sports
- Scenery
- Stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/250 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-6, 1-7, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
12°	5-4	Auto.	4-32	2.5m (8.2)	36 × 24cm (14.4 × 9.4)	Straight helicoid	510g (18.0)	127mm (5)	67mm (2.6)	Built-in	55mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 200mm F4

● Zuiko Lens

4 groups 5 elements
Angle of view: 12°

● Lens Hood

Built in, retractable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macros.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

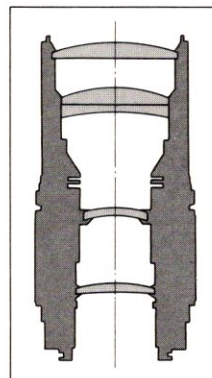
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 55mm ϕ



● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Actual size

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※2.5	※3	※4	※5	※7	※10	※15	※30	50	※∞
F-stop	4	2.48~	2.98~	3.96~	4.93~	6.85~	9.70~	14.32~	27.33~	43.01~	291.83~
		2.52	3.02	4.05	5.07	7.15	10.32	15.75	33.25	59.73	∞
	5.6	2.48~	2.97~	3.94~	4.90~	6.80~	9.58~	14.06~	26.39~	40.73~	210.26~
		2.52	3.03	4.06	5.10	7.21	10.46	16.08	34.76	64.77	∞
	8	2.47~	2.95~	3.91~	4.86~	6.72~	9.41~	13.69~	25.10~	37.74~	148.18~
		2.53	3.05	4.09	5.15	7.31	10.67	16.59	37.31	74.17	∞
F-stop	11	2.46~	2.94~	3.88~	4.81~	6.62~	9.21~	13.26~	23.65~	34.56~	108.26~
		2.54	3.07	4.13	5.21	7.43	10.94	17.28	41.06	90.64	∞
	16	2.44~	2.91~	3.83~	4.73~	6.45~	8.89~	12.60~	21.58~	30.32~	74.75~
		2.56	3.10	4.19	5.31	7.65	11.43	18.56	49.36	143.99	∞
	22	2.42~	2.88~	3.77~	4.63~	6.27~	8.54~	11.88~	19.53~	26.43~	54.53~
		2.59	3.14	4.26	5.44	7.93	12.04	20.39	65.21	492.51	∞
F-stop	32	2.38~	2.82~	3.67~	4.48~	5.99~	8.01~	10.87~	16.87~	21.79~	37.62~
		2.63	3.20	4.40	5.66	8.44	13.35	24.39	140.68	∞	∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.											
		※10	※12	※15	※20	※30	※50	70	※100	150	※∞		
F-stop	4	9.92~	11.88~	14.81~	19.64~	29.17~	47.68~	65.53~	90.97~	130.60~	897.84~		
		10.08	12.12	15.20	20.37	30.88	52.56	75.13	111.04	176.21	∞		
	5.6	9.89~	11.83~	14.73~	19.50~	28.86~	46.82~	63.90~	87.80~	124.19~	685.38~		
		10.11	12.17	15.28	20.52	31.24	53.66	77.40	116.18	189.46	∞		
	8	9.84~	11.76~	14.62~	19.30~	28.39~	45.57~	61.60~	83.44~	115.67~	470.34~		
		10.16	12.25	15.40	20.76	31.81	55.40	81.08	124.85	213.57	∞		
F-stop	16	9.78~	11.68~	14.48~	19.05~	27.83~	44.11~	58.96~	78.57~	106.54~	346.69~		
		10.23	12.34	15.56	21.06	32.54	57.74	86.21	137.71	254.02	∞		
	12	9.69~	11.54~	14.25~	18.65~	26.95~	41.88~	55.02~	71.61~	94.17~	241.17~		
		10.33	12.50	15.83	21.57	33.85	62.12	96.39	166.29	371.42	∞		
	22	9.58~	11.37~	14.00~	18.19~	25.97~	39.48~	50.95~	64.75~	82.68~	176.74~		
		10.46	12.71	16.17	22.23	35.57	68.36	112.33	221.60	835.96	∞		
F-stop	32	9.40~	11.11~	13.58~	17.47~	24.48~	36.05~	45.37~	55.85~	68.74~	122.40~		
		10.69	13.06	16.77	23.43	38.86	82.15	155.24	498.97	∞	∞		

OLYMPUS

ZUIKO 200mm F5



Characteristics

- Despite its focal length of 200mm, it is amazingly short — a mere 105mm — with a filter size as small as 49mm.
- It features a deluxe construction of 6 elements which successfully corrects aberrations to ensure high resolution over the whole picture.
- The extremely compact form and automatic diaphragm make it ideal for hand-held telephotography.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
12°	6-5	Auto.	5-32	2.5m (8.2)	36 × 24cm (14.2 × 9.4)	Straight helicoid	380g (13.4)	105mm (4.1)	62mm (2.4)	Built-in	49mm Screw-in

Applications

- Snapshots
- Sports events
- Animal studies
- Scenery

Notes • Related Units

- For hand-held photography, a shutter speed of 1/250 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-6, 1-10, 1-13 (p.201)

OLYMPUS

OM SYSTEM ZUIKO 200mm F5

● Zuiko Lens

5 groups 6 elements
Angle of view: 12°

● Lens Hood

Built in, retractable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

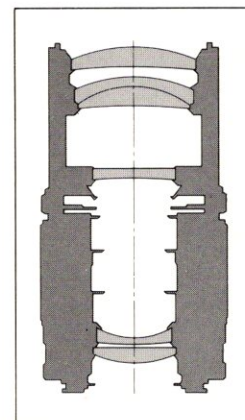
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ



● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Actual size

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters)										Circle of least confusion 1/30mm
	※ 2.5	※ 3	※ 4	※ 5	※ 7	※ 10	※ 15	※ 30	50	※ ∞	
F-stop	5	2.48~ 2.52	2.97~ 3.03	3.95~ 4.05	4.91~ 5.09	6.82~ 7.19	9.63~ 10.40	14.16~ 15.95	26.75~ 34.16	41.51~ 62.90	234.92~ ∞
	5.6	2.48~ 2.52	2.97~ 3.03	3.94~ 4.06	4.90~ 5.10	6.80~ 7.21	9.59~ 10.45	14.07~ 16.07	26.41~ 34.74	40.68~ 64.92	210.31~ ∞
	8	2.47~ 2.53	2.96~ 3.05	3.92~ 4.09	4.86~ 5.15	6.72~ 7.30	9.42~ 10.66	13.70~ 16.57	25.12~ 37.27	37.67~ 74.46	148.24~ ∞
	11	2.46~ 2.54	2.94~ 3.06	3.89~ 4.12	4.81~ 5.20	6.62~ 7.42	9.22~ 10.93	13.27~ 17.25	23.68~ 41.00	34.49~ 91.23	108.32~ ∞
	16	2.44~ 2.56	2.91~ 3.09	3.84~ 4.19	4.73~ 5.30	6.47~ 7.64	8.91~ 11.41	12.62~ 18.53	21.62~ 49.25	30.24~ 146.27	74.81~ ∞
	22	2.42~ 2.58	2.88~ 3.13	3.78~ 4.25	4.64~ 5.42	6.29~ 7.91	8.56~ 12.05	11.91~ 20.33	19.57~ 64.95	26.36~ 533.44	54.60~ ∞
	32	2.39~ 2.62	2.83~ 3.19	3.68~ 4.38	4.50~ 5.64	6.01~ 8.41	8.04~ 13.29	10.90~ 24.27	16.92~ 139.25	21.72~ ∞	37.69~ ∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet)								Circle of least confusion 1/760in.
	※ 10	※ 12	※ 15	※ 20	※ 30	※ 50	※ 100	※ ∞	
F-stop	5	9.91~ 10.10	11.86~ 12.15	14.77~ 15.24	19.57~ 20.45	28.99~ 31.09	47.16~ 53.21	89.01~ 114.13	731.69~ ∞
	5.6	9.89~ 10.11	11.84~ 12.16	14.74~ 15.27	19.52~ 20.51	28.87~ 31.22	46.84~ 53.62	87.55~ 116.10	658.54~ ∞
	8	9.85~ 10.15	11.77~ 12.24	14.63~ 15.39	19.32~ 20.74	28.42~ 31.78	45.61~ 55.34	83.51~ 124.72	470.52~ ∞
	11	9.80~ 10.21	11.69~ 12.33	14.50~ 15.54	19.07~ 21.03	27.87~ 32.50	44.16~ 57.66	78.66~ 137.51	346.89~ ∞
	16	9.71~ 10.31	11.56~ 12.48	14.28~ 15.80	18.68~ 21.53	27.00~ 33.78	41.95~ 62.00	71.72~ 165.89	241.38~ ∞
	22	9.60~ 10.44	11.40~ 12.68	14.03~ 16.13	18.23~ 22.18	26.03~ 35.47	39.57~ 68.16	64.88~ 200.72	176.96~ ∞
	32	9.43~ 10.65	11.15~ 13.01	13.63~ 16.71	17.53~ 23.34	24.56~ 38.70	36.16~ 81.76	56.01~ 493.62	122.62~ ∞

ZUIKO 300mm F4.5



Characteristics

- It is the smallest and lightest lens in this length permitting comfortable hand-held telephotography.
- The tripod mount ring is removable for convenience in hand-held photography.

Applications

- Action photography, sports events
- Wild life
- Mountains, scenery

Notes • Related Units

- For hand-held photography, a shutter speed of 1/500 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-6 ~ 1-8, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
8°	6-4	Auto.	4.5-32	3.5m (11.5)	33×22cm (13×8.7)	Straight helicoid	1100g (38.8)	181mm (7.1)	80mm (3.1)	Built-in	72mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 300mm F4.5

Actual size

● Zuiko Lens

4 groups 6 elements
Angle of view: 8°

● Lens Hood

Built in, retractable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Tripod Mounting Ring

360°rotatable allowing free camera position. Removable.

● Lens Release Button

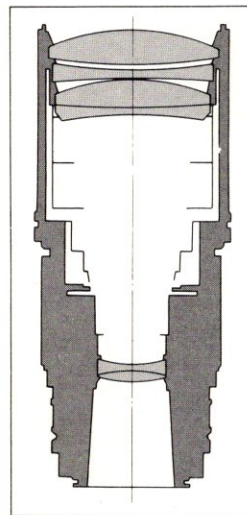
Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 72mm



● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Depth of Field Table Figures with ※ are engraved on the distance scale

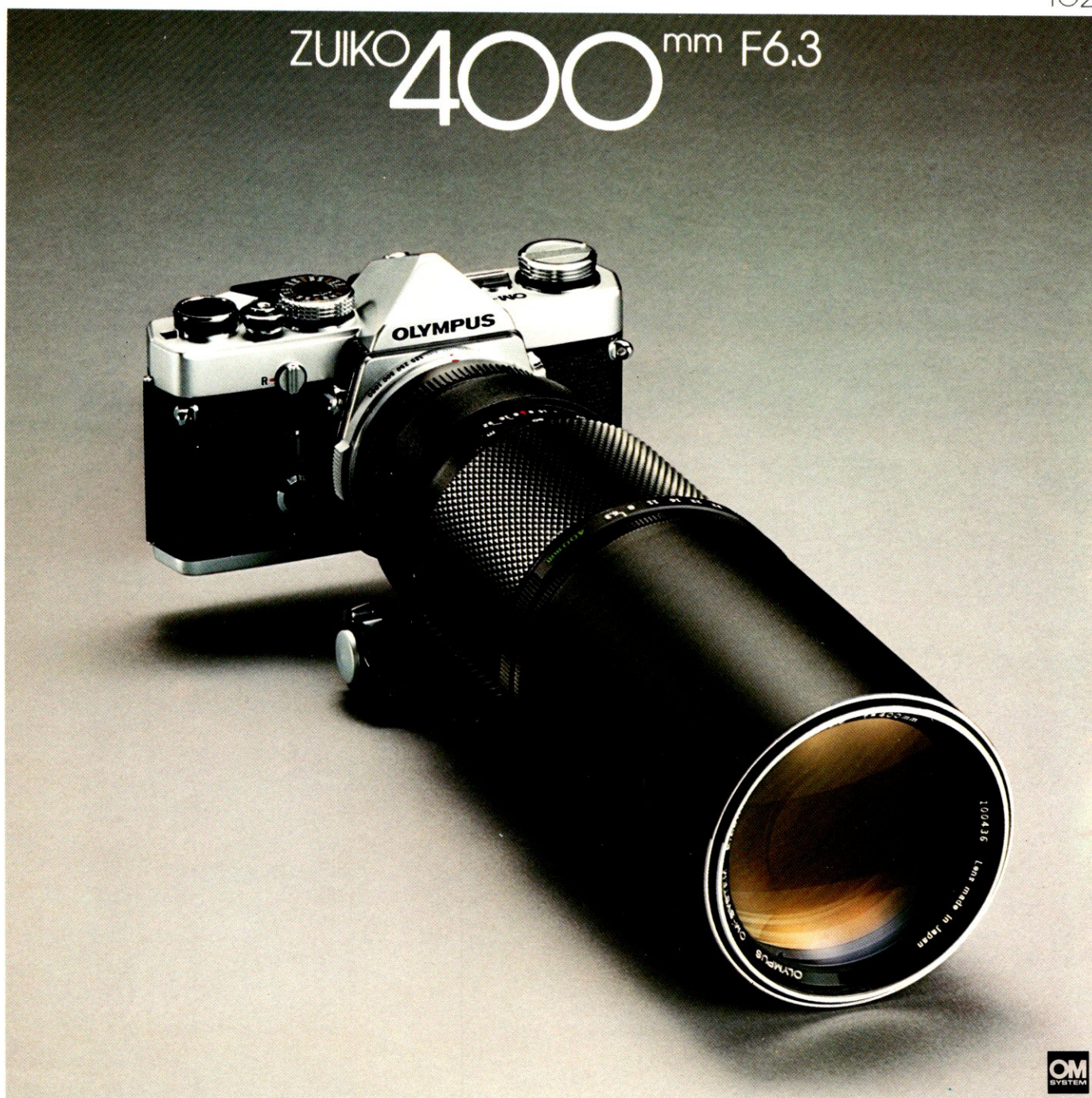
Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	※ 3.5	※ 4	※ 5	※ 7	※ 10	※ 15	※ 30	※ 50	※ 100	※ ∞
F-stop	4.5	3.49~ 3.51	3.98~ 4.02	4.97~ 5.03	6.93~ 7.07	9.86~ 10.15	14.67~ 15.35	28.65~ 31.49	86.04~ 119.40	573.62~ ∞
	5.6	3.48~ 3.52	3.98~ 4.02	4.96~ 5.04	6.92~ 7.08	9.82~ 10.18	14.59~ 15.43	28.34~ 31.88	83.21~ 125.35	466.29~ ∞
	8	3.48~ 3.52	3.97~ 4.03	4.95~ 5.06	6.88~ 7.12	9.75~ 10.26	14.42~ 15.63	27.68~ 32.75	77.63~ 140.66	331.17~ ∞
	11	3.47~ 3.53	3.96~ 4.04	4.93~ 5.08	6.84~ 7.17	9.66~ 10.36	14.22~ 15.88	26.90~ 33.92	71.63~ 166.02	243.18~ ∞
	16	3.45~ 3.55	3.94~ 4.07	4.89~ 5.11	6.77~ 7.24	9.52~ 10.54	13.89~ 16.31	25.70~ 36.08	63.47~ 237.51	168.61~ ∞
	22	3.44~ 3.56	3.91~ 4.09	4.85~ 5.16	6.69~ 7.34	9.35~ 10.76	13.51~ 16.87	24.39~ 39.05	55.85~ 492.47	123.33~ ∞
	32	3.41~ 3.59	3.88~ 4.13	4.79~ 5.23	6.56~ 7.51	9.08~ 11.14	12.94~ 17.89	22.49~ 45.30	31.92~ 117.11	85.27~ ∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※ 12	※ 15	※ 20	※ 30	※ 50	70	※ 100	※ 200	300	※ ∞
F-stop	4.5	11.95	14.92	19.84	29.62	48.88	67.79	95.42	182.14	261.29	1664.06
		12.05	15.08	20.16	30.39	51.18	72.39	105.05	221.79	352.28	∞
	5.6	11.94	14.90	19.80	29.53	48.61	67.24	94.37	178.25	253.31	1383.14
		12.06	15.10	20.20	30.49	51.47	73.00	106.36	227.86	367.97	∞
	8	11.92	14.86	19.72	29.33	48.04	66.13	92.15	170.32	237.49	1010.51
		12.08	15.15	20.29	30.71	52.13	74.37	109.35	242.35	407.60	∞
	11	11.89	14.80	19.62	29.08	47.35	64.79	89.51	161.36	220.31	756.12
		12.12	15.20	20.40	30.98	52.98	76.15	113.33	263.29	471.09	∞
16	11.83	14.72	19.45	28.68	46.24	62.67	85.45	148.37	196.63	532.87	
	12.17	15.30	20.58	31.45	54.46	79.33	120.66	307.68	636.59	∞	
22	11.77	14.61	19.26	28.22	44.97	60.31	81.05	135.32	174.21	393.67	
	12.24	15.41	20.81	32.03	56.35	83.52	130.84	385.91	1102.16	∞	
32	11.67	14.44	18.94	27.49	43.02	56.76	74.65	118.07	146.46	274.50	
	12.35	15.61	21.20	33.06	59.82	91.61	152.31	671.09	∞	∞	

OLYMPUS

ZUIKO 400mm F6.3



Characteristics

- Incomparably compact for a 400mm, making hand-held super-telephotography possible.
- Incorporation of direct helicoid drive contributes to quick focusing.
- The tripod mount ring is removable for convenience in hand-held photography.

Applications

- Action photography, sports events
- Photojournalism
- Scenery

Notes • Related Units

- For handheld photography, a shutter speed of 1 / 500 sec. or faster is recommended. Also, to prevent camera shake: When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-6 ~ 1-8, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
6°	5-5	Auto.	6.3-32	5m (16.4)	36 × 24cm (14.2 × 9.4)	Straight helicoid	1300g (46.0)	255mm (10)	80mm (3.2)	Built-in	72mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 400mm F6.3

● Zuiko Lens

5 groups 5 elements
Angle of view: 6°

● Front Mount Ring

Filter size: 72mmφ

● Lens Hood

Built in, retractable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring

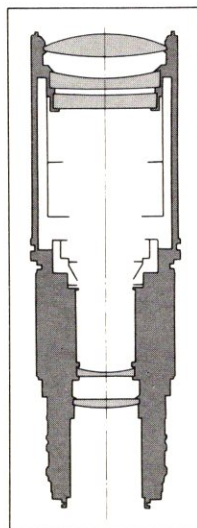
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button

Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Tripod Mount Ring

360° rotatable allowing free camera position. Removable.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※ 5	※ 6	※ 7	※ 8	※ 10	※ 15	※ 30	※ 50	100	※ ∞
F-stop	6.3	4.98~5.02	5.97~6.04	6.95~7.05	7.93~8.07	9.89~10.11	14.74~15.27	28.93~31.16	47.03~53.38	88.62~114.75	712.54~∞
	8	4.97~5.03	5.96~6.05	6.94~7.06	7.91~8.09	9.86~10.14	14.67~15.34	28.65~31.49	46.29~54.37	85.98~119.52	569.86~∞
	11	4.96~5.04	5.94~6.06	6.91~7.09	7.88~8.12	9.81~10.20	14.55~15.48	28.17~32.08	45.03~56.22	81.70~128.97	421.12~∞
	16	4.94~5.06	5.91~6.09	6.88~7.13	7.83~8.18	9.73~10.29	14.36~15.70	27.42~33.13	43.09~59.59	75.43~148.57	293.55~∞
	22	4.92~5.08	5.88~6.13	6.83~7.18	7.77~8.24	9.63~10.40	14.13~15.98	26.56~34.49	40.97~64.22	69.08~181.75	215.36~∞
	32	4.89~5.12	5.83~6.18	6.76~7.27	7.67~8.36	9.47~10.60	13.77~16.48	25.25~37.01	37.88~73.80	60.60~289.87	149.23~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※17	※20	※25	※30	※50	70	※100	※200	300	※∞
F-stop	6.3	16.92~17.08	19.88~20.12	24.80~25.20	29.70~30.30	49.12~50.91	68.24~71.86	96.36~103.93	185.62~216.83	268.52~339.90	2011.49~∞
		16.90~17.10	19.85~20.15	24.75~25.26	29.63~30.38	48.89~51.16	67.78~72.38	95.43~105.05	182.09~221.87	261.14~352.57	1655.06~∞
	8	16.86~17.14	19.79~20.21	24.66~25.35	29.49~30.53	48.49~51.62	66.98~73.31	93.82~107.07	176.18~231.37	249.05~377.40	1260.97~∞
		16.80~17.21	19.70~20.31	24.50~25.52	29.26~30.78	47.83~52.39	65.69~74.98	91.26~110.64	167.14~249.16	231.23~427.64	902.95~∞
	11	16.72~17.29	19.59~20.43	24.32~25.72	28.99~31.08	47.06~53.34	64.22~76.97	88.37~115.25	157.47~274.53	212.97~509.08	673.71~∞
		16.60~17.43	19.41~20.63	24.03~26.06	28.56~31.60	45.85~55.02	61.90~80.63	83.95~123.86	143.63~330.77	188.25~746.39	473.66~∞

ZUIKO 600mm F6.5



Characteristics

- Unusually compact for a 600mm lens with a total length of 377mm (14.8").
- The 4° angle of view gives striking telephoto effects.
- The tripod mount ring is rotatable allowing easy operation for horizontal and vertical camera positioning.

Applications

- Sports events
- Wild life
- Photojournalism, scenery

Notes • Related Units

- When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-7, 1-8, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
4°	6-4	Auto.	6.5-32	11m (36.1)	55×37cm (21.7×14.6)	Rack and pinion	2800g (98.8)	377mm (14.8)	110mm (4.3)	Built-in	100mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 600mm F6.5

● Zuiko Lens

4 groups 6 elements
Angle of view: 4°

● Front Mount Ring

Filter size: 100mm ϕ

● Lens Hood

Built in, retractable.

● Tripod Mount Ring

Rotatable, not removable.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Infrared Index Mark

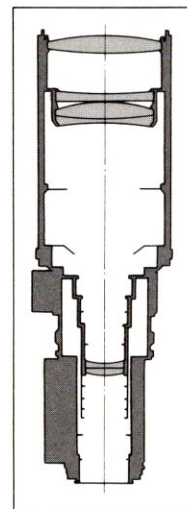
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Lens Release Button

Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting (after aligning red dots) the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



● Focusing Knobs

Rack-and-pinion drive system ensures comfortable focusing despite long extension/contraction lens movement inherent in super telephoto. Tightness in the movement can be adjusted by means of the knobs.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
	※ 11	※ 12	※ 15	※ 20	※ 30	※ 50	※ 100	300	※ ∞
F-stop	6.5	11.0~ 11.1	11.9~ 12.1	14.9~ 15.1	19.8~ 20.2	29.5~ 30.5	48.6~ 51.5	94.5~ 106	255~ 365
	8	10.9~ 11.1	11.9~ 12.1	14.9~ 15.1	19.8~ 20.3	29.4~ 30.6	48.3~ 51.8	93.3~ 108	246~ 384
	11	10.9~ 11.1	11.9~ 12.1	14.8~ 15.2	19.7~ 20.4	29.2~ 30.9	47.7~ 52.5	91.1~ 111	231~ 429
	16	10.9~ 11.1	11.8~ 12.2	14.7~ 15.3	19.5~ 20.5	28.9~ 31.3	46.8~ 53.7	87.5~ 117	209~ 534
	22	10.8~ 11.2	11.8~ 12.2	14.6~ 15.4	19.3~ 20.7	28.5~ 31.7	45.7~ 55.3	83.6~ 125	188~ 755
	32	10.7~ 11.3	11.7~ 12.3	14.5~ 15.6	19.1~ 21.1	27.8~ 32.6	43.9~ 58.1	77.8~ 140	160~ 2450

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.						
	※ 36	※ 40	※ 50	※ 70	※ 200	※ 500	※ ∞
F-stop	6.5	35.8~ 36.2	39.8~ 40.2	49.6~ 50.4	69.2~ 70.8	193~ 207	459~ 549
	8	35.8~ 36.2	39.7~ 40.3	49.6~ 50.5	69.1~ 71.0	192~ 209	451~ 562
	11	35.7~ 36.3	39.6~ 40.4	49.4~ 50.6	68.7~ 71.3	189~ 212	434~ 589
	16	35.6~ 36.4	39.5~ 40.6	49.1~ 50.9	68.2~ 72.0	184~ 219	410~ 641
	22	35.4~ 36.6	39.3~ 40.8	48.8~ 51.3	67.5~ 72.7	179~ 227	384~ 717
	32	35.2~ 36.9	38.9~ 41.1	48.3~ 51.9	66.4~ 74.0	171~ 241	348~ 895

OLYMPUS

ZUIKO 1000^{mm} F11

Characteristics

- The smallest and lightest of 1000mm super telephoto lenses.
- Automatic diaphragm contributes to comfortable operation.
- The tripod mount ring is rotatable allowing easy operation for horizontal and vertical camera positioning.

Applications

- Celestial bodies, mountains
- Sports events
- Wild life

Notes • Related Units

- When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-4, 1-7, 1-8, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
2.5°	5-5	Auto.	11-45	30m (98.4)	98×65cm (38.6×25.6)	Rack and pinion	4000g (141.0)	662mm (26)	110mm (4.3)	Built-in	100mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 1000^{mm} F11

● Zuiko Lens

5 groups 5 elements
Angle of view: 2.5°

● Front Mount Ring

Filter size: 100mm ϕ

● Lens Hood

Built in, retractable.

● Tripod Mount Ring

Rotatable, not removable

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Infrared Index Mark

A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Lens Release Button

Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting (after aligning red dots) the button should not be pressed.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Focusing Knobs

Rack-and-pinion drive system ensures comfortable focusing despite long extension/contraction lens movement inherent in super telephoto. Tightness in the movement can be adjusted by means of the knobs.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.							
		※ 30	※ 40	※ 50	※ 70	※ 100	※ 150	※ 300	※ ∞
F-stop	11	29.7~ 30.3	39.5~ 40.5	49.2~ 50.8	68.4~ 71.7	96.7~ 104	142~ 158	271~ 336	2160~ ∞
	16	29.6~ 30.4	39.3~ 40.8	48.8~ 51.2	67.7~ 72.5	95.2~ 105	139~ 163	260~ 356	1590~ ∞
	22	29.5~ 30.6	39.0~ 41.1	48.4~ 51.7	66.8~ 73.5	93.5~ 107	136~ 168	247~ 382	1210~ ∞
	32	29.2~ 30.8	38.6~ 41.6	47.7~ 52.5	66.5~ 75.2	90.9~ 111	130~ 177	229~ 436	867~ ∞
	45	28.9~ 31.2	38.0~ 42.2	46.8~ 53.6	63.8~ 77.6	87.6~ 117	123~ 192	209~ 536	633~ ∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※ 100	※ 130	※ 150	※ 200	※ 300	※ 500	※ 1000	※ ∞
F-stop	11	99.1~ 101	128~ 132	148~ 152	196~ 204	291~ 310	475~ 528	902~ 1120	4750~ ∞
	16	98.6~ 101	128~ 132	147~ 153	194~ 206	287~ 314	464~ 542	863~ 1190	3840~ ∞
	22	98.1~ 102	127~ 133	146~ 155	192~ 209	282~ 320	452~ 560	821~ 1280	3120~ ∞
	32	97.3~ 103	125~ 135	144~ 157	189~ 213	275~ 330	433~ 593	760~ 1470	2380~ ∞
	45	96.3~ 104	124~ 137	141~ 160	185~ 218	266~ 345	410~ 641	692~ 1810	1820~ ∞

OLYMPUS

ZUIKO MACRO 20^{mm} F3.5/OBJECTIVE LENS MOUNT PM-MTob



Characteristics

- This high-resolution macro lens is designed for 4X~12X magnifications (object sizes 8×5mm~3×2mm).

Applications

- High-magnification macrophotography

Notes • Related Units

- This lens must be used in conjunction with the Auto Bellows (p.512) and Objective Lens Mount PM-MTob.
- Lens hood is not necessary.

Specifications

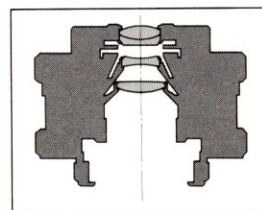
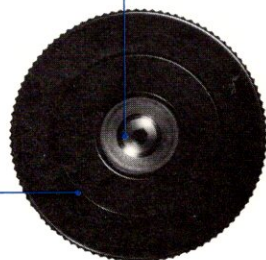
Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	4-3	Manual	3.5-16	—	max. 8 × 5mm min. 3 × 2mm	W/ Auto Bellows & PM-MT ob	70g (2.5)	20mm (0.8)	32mm (1.2)	Not necessary	21mm Slide-on

OLYMPUS

OM SYSTEM ZUIKO MACRO 20mm F3.5/OBJECTIVE LENS MOUNT PM-MTob

● Zuiko Lens

3 groups 4 elements
Angle of view: 9° at high magnification



● Front Mount Ring

Filter size: 21mm ϕ ,
slide-on
Hood: not necessary

● Aperture Ring

Manual: stopped-down metering is required.

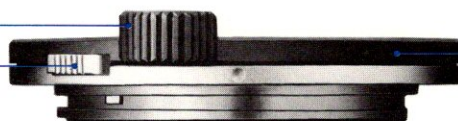


● Screw Mount

Connects to Objective Lens Mount PM-MTob.

● Non-slip Knob

Apply finger to this knob when attaching /detaching the PM-MTob to and from the Auto Bellows.



● Objective Lens Mount PM-MTob

This mounting adapter is necessary to connect the Macro 20mm or Macro 38 mm lens to the Auto Bellows.

● Release Button

To mount the PM-MTob to the Auto Bellows, press this button and turn 70° clockwise.

Actual size

Reference Table for Auto Bellows

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
4.3	3.6 cm	68 mm	12.9 cm	2.1 cm	5.6 × 8.4 mm	27.9 ×
4.5	4.0	73	13.3	2.1	5.3 × 8.0	30.3 ×
5.0	5.0	83	14.3	2.1	4.8 × 7.2	36.0 ×
5.5	6.0	93	15.2	2.0	4.4 × 6.5	42.3 ×
6.0	7.0	103	16.2	2.0	4.0 × 6.0	49.0 ×
6.5	8.0	113	17.2	2.0	3.7 × 5.5	56.3 ×
7.0	9.0	123	18.2	1.9	3.4 × 5.1	64.0 ×
7.5	10.0	133	19.2	1.9	3.2 × 4.8	72.3 ×
8.0	11.0	143	20.1	1.9	3.0 × 4.5	81.0 ×

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	subject area covered	Exposure factor
8.5	12.0 cm	153 mm	21.1 cm	1.9 cm	2.8 × 4.2 mm	90.3 ×
9.0	13.0	163	22.1	1.9	2.7 × 4.0	100.0 ×
9.5	14.0	173	23.1	1.9	2.5 × 3.8	110.3 ×
10.0	15.0	183	24.1	1.9	2.4 × 3.6	121.0 ×
10.5	16.0	193	25.1	1.8	2.3 × 3.4	132.3 ×
11.0	17.0	203	26.1	1.8	2.2 × 3.3	144.0 ×
11.5	18.0	213	27.1	1.8	2.1 × 3.1	156.3 ×
12.0	19.0	223	28.1	1.8	2.0 × 3.0	169.0 ×
12.4	19.8	231	28.9	1.8	1.9 × 2.9	179.2 ×

OLYMPUS

ZUIKO MACRO 38^{mm} F3.5/OBJECTIVE LENS MOUNT PM-MTob



Characteristics

- This high-resolution macro lens is designed for 1.8X~6X magnifications (object sizes 20 × 13mm~6 × 4mm).

Applications

- Macrophotography

Notes • Related Units

- This lens must be used in conjunction with the Auto Bellows (p.512) and Objective Lens Mount PM-MTob.
- Lens hood is not necessary.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	5-4	Manual	3.5-16		max. 20 × 13mm min. 6 × 4mm	W/ Auto Bellows & PM-MTob	90g (3.2)	28mm (1.1)	43mm (1.7)	Not necessary	32mm Slide-on

OLYMPUS

ZUIKO MACRO 38^{mm} F3.5/OBJECTIVE LENS MOUNT PM-MTob

● Zuiko Lens

4 groups 5 elements
Angle of view: 9° at high magnification

● Front Mount Ring

Filter size: 32mm ϕ , slide-on
Hood: not necessary

● Preset Aperture Ring

The ring stops with a click at each F stop.

● Aperture Ring

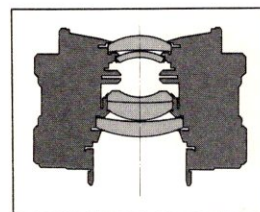
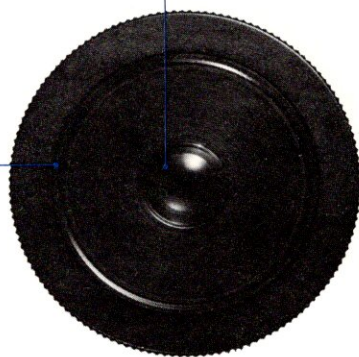
Manual: stopped-down metering is required.

● Non-slip Knob

Apply finger to this knob when attaching/detaching the PM-MTob to and from the Auto Bellows.

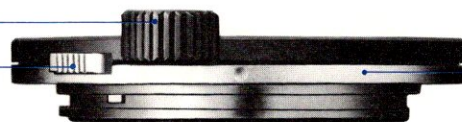
● Release Button

To mount the PM-MTob to the Auto Bellows, press this button and turn 70° clockwise.



● Screw Mount

Connects to Objective Lens Mount PM-MTob.



● Objective Lens Mount PM-MTob

This mounting adapter is necessary to connect the Macro 20mm or Macro 38 mm lens to the Auto Bellows.

Actual size

Reference Table for Auto Bellows

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
1.8	3.6 cm	68 mm	16.2 cm	4.6 cm	13.2 × 19.8 mm	7.9 ×
2.0	4.2	75	16.7	4.4	12.0 × 18.0	9.0 ×
2.2	5.0	83	17.3	4.3	10.9 × 16.4	10.2 ×
2.4	5.8	90	17.9	4.1	10.0 × 15.0	11.6 ×
2.6	6.5	98	18.5	4.0	9.2 × 13.8	13.0 ×
2.8	7.3	106	19.2	3.9	8.6 × 12.9	14.4 ×
3.0	8.0	113	19.9	3.8	8.0 × 12.0	16.0 ×

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
3.5	9.9 cm	132 mm	21.6 cm	3.6 cm	6.9 × 10.3 mm	20.3 ×
4.0	11.8	151	23.3	3.5	6.0 × 9.0	25.0 ×
4.5	13.7	170	25.1	3.4	5.3 × 8.0	30.3 ×
5.0	15.6	189	27.0	3.3	4.8 × 7.2	36.0 ×
5.5	17.5	208	28.8	3.2	4.4 × 6.5	42.3 ×
6.0	19.4	227	30.6	3.2	4.0 × 6.0	49.0 ×
6.1	19.8	231	31.0	3.2	3.9 × 5.9	50.4 ×

OLYMPUS

ZUIKO II MACRO 80mm F4



Characteristics

- This is the world's first macro lens for life-size reproduction for use with a 35mm SLR camera.
- This epoch-making high-resolution macro lens is designed to perform from 1:2 ~ 2:1 magnifications (object sizes 72×48 mm ~ 18×12mm).

Applications

- Close-up and macrophotography around life-size reproduction ratios.

Notes • Related Units

- The Auto Bellows must be used with this lens. (p. 512)
- Lens hood is not necessary.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	6-4	Manual	4-22		max. 72×48mm min. 18×12mm	W/Auto Bellows	200g (7.1)	46mm (1.8)	59mm (2.3)	Not necessary	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO 1:1 MACRO 80mm F4

● Zuiko Lens

4 groups 6 elements
Angle of view: 9° at high magnification

● Front Mount Ring

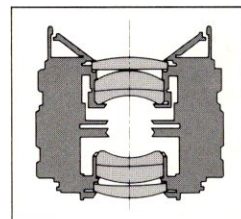
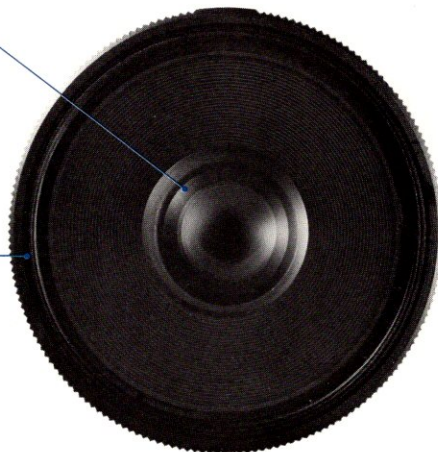
Filter size: 49mm ϕ
Hood: not necessary

● Aperture Ring

Manual: stopped-down metering is required.

● Release Button

To detach the lens from the Auto Bellows, press this button and turn 70° counterclockwise.



● Preset Aperture Ring

The ring stops with a click at each F stop.

● Lens Mount Ring

Bayonet type: connects to the Auto Bellows.



Actual size

REFERENCE TABLE FOR AUTO BELLOWS

Zuiko 1:1 Macro 80mm F4 (Bold lines indicate the optimum application range for this lens.)

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor	Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
0.26	3.6cm	68mm	47.4cm	34.7cm	91.2×136.7mm	1.6×	1.0	9.4cm	127mm	31.0cm	12.3cm	24.0×36.0mm	4.0×
0.3	3.8	71	44.0	31.0	80.0×120.0	1.7×	1.2	11.0	143	31.2	11.0	20.0×30.0	4.8×
0.4	4.6	79	38.2	24.3	60.0×90.0	2.0×	1.4	12.6	159	31.9	10.0	17.1×25.7	5.8×
0.5	5.4	87	35.0	20.3	48.0×72.0	2.3×	1.6	14.2	175	32.8	9.3	15.0×22.5	6.8×
0.6	6.2	95	33.1	17.6	40.0×60.0	2.6×	1.8	15.8	191	33.8	8.8	13.3×20.0	7.8×
0.7	7.0	103	32.0	15.7	34.3×51.4	2.9×	2.0	17.4	207	35.0	8.3	12.0×18.0	9.0×
0.8	7.8	111	31.4	14.3	30.0×45.0	3.2×	2.2	19.0	223	36.2	8.0	10.9×16.4	10.2×
0.9	8.6	119	31.1	13.2	26.7×40.0	3.6×	2.3	19.8	231	36.8	7.8	10.4×15.7	10.9×

For better results, Macro 50mm F3.5 is recommended for image magnifications 0.4 and lower, and Macro 38mm F3.5 for image magnifications 2.2 and higher.

ZUIKO MC 1:1 MACRO 80^{mm} F4/CLOSE-UP LENS

80^{mm} MACRO f=170^{mm}



Characteristics

- This is the world's first macro lens designed to provide the optimum reproduction of life-size images for use with the 35mm SLR camera.
- This epoch-making high-resolution macro lens has a magnification range of 1:2 ~ 2:1 (object sizes 72 × 48mm ~ 18 × 12mm).

Applications

- Close-up and macrophotography around life-size reproduction.

Notes • Related Units

- The Telescopic Auto Tube 65~116 or Auto Bellows must be used with this lens. With the 65~116, automatic diaphragm and meter coupling is possible. With the Auto Bellows, automatic coupling is made using the Double Cable Release.
- Lens hood is not necessary.
- Close-up Lens 80mm is available for up to 2X macrophotography to be used with this lens and the 65-116.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft)	Photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	6-4	Auto.	4-32	0.23m (0.8)	max. 72 × 48mm min. 18 × 12mm	W / Auto Tube 65-116 or Auto Bellows	170g (6.0)	33mm (1.3)	60mm (2.4)	Not necessary	49mm Screw-in

OLYMPUS

ZUIKO 1:1 MACRO 80mm F4

Stock NO. 103-731

Close-up Lens 80mm MACRO f=170mm

Stock NO. 104-004

OM SYSTEM ZUIKO MC 1:1 MACRO 80mm F4

/CLOSE-UP LENS 80mm MACRO f=170mm

● Close-up Lens 80mm Macro

● Pin Hole

To unscrew the close-up lens, insert a pin wrench provided into the pin holes.

● Zuiko Lens

4 groups 6 elements.
Angle of view: 9° at high magnification.

● Aperture Ring

Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Lens Release Button

To detach the lens from the Auto Tube 65-116 or Auto Bellows, press this button and turn 70° counterclockwise.

● Automatic Diaphragm Lever

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Front Mount Ring

Filter size: 49mm ϕ
Hood: not necessary.

● Fine-focusing Ring

The non-slip, rubberized ring permits fast and precise fine-focusing after magnification setting with the Auto Tube 65-116 (or Auto Bellows).

● Lens Mount Ring

Bayonet type: connects to the Auto Tube 65-116 or Auto Bellows.

● Depth of Field Preview Button

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever

This lever transmits selected apertures to the exposure meter.

Actual size

CLOSE-UP & MACROPHOTOGRAPHY TABLE

ZUIKO 1:1 MACRO 80mm F4	Lens Position	Subject Area Covered (mm) Magnification	∞ 360 180 120 90 72 60 51.4 45 40 36 30 25.7 22.5 20 18 16.4 15 13.8 12.9 12 10.3 9 8 7.2 6.5 6 5.5 5.1 4.8 4 3.6 3.3 3.0																											
			240 120 80 60 48 40 34.3 30 26.7 24 20 17.1 15 13.3 12 10.9 10 9.2 8.6 8 6.9 6 5.3 4.8 4.4 4 3.7 3.4 3.0 2.7 2.4 2.2 2.0																											
With Auto Bellows	Normal	Scale(mm)	69 70 78 86 94 102 110 118 126 134 142 158 174 190 206 221 231																											
		Distance from lens to subject (cm. in.)	93.2 84.3 44.4 31.1 24.4 20.4 17.7 15.8 14.4 13.3 12.4 11.1 10.2 9.4 8.9 8.4 8.2 36.7 33.2 17.5 12.2 9.6 8.0 7.0 6.2 6.7 5.2 4.9 4.4 4.0 3.7 3.5 3.3 3.2																											
With Telescopic Auto Tube 65-116	Normal	Length of Telescopic Auto Tube 65-116 (mm)	65 69 77 85 93 101 109 116 116 + helicoid extension																											
		Distance from lens to subject (cm. in.)	22.2 20.4 17.7 15.8 14.4 13.3 12.4 11.4 8.7 8.0 7.0 6.2 5.7 5.2 4.9 4.5																											
With Telescopic Auto Tube 65-116 + CLOSE-UP LENS 80mm	Normal	Length of Telescopic Auto Tube 65-116 (mm)	65 74.6 87 100 112 116 + helicoid extension																											
		Distance from lens to subject (cm. in.)	9.2 8.5 7.7 7.2 6.8 6.6 3.6 3.3 3.0 2.8 2.7 2.6																											

ZUIKO MC MACRO 135^{mm} F4.5

Characteristics

- This high resolution macro lens is used with the Telescopic Auto Tube 65-116 or Auto Bellows to provide long working distances (37cm-∞) and minimize perspective deformation in close-ups (max. magnification 0.5x).

Applications

- Its long working distance capability enables the photographer to take enlarged images of a subject from a comfortable distance. It can also be used in the same way as an ordinary 135mm telephoto lens.
- Medical close-up and macrophotography.
- Outdoor action macrophotography (insects, etc.)
- General telephoto photography.

Notes • Related Units

- Though its maximum speed is F4.5, open-aperture viewing is at F4 to make composition and focusing easier.
- The use of T-series electronic flash (T10, T32, T20) is recommended in hand-held macrophotography to prevent blurred images caused by movements.
- Compatible focusing screens: 1-1 ~ 1-4, 1-10, 1-11, 1-13, 1-14. (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-4	Auto.	4.5-45	0.6m (2.0)	48×72mm (1.9×2.8)	W/Auto Tube 65-116 or Auto Bellows	320g (11.3)	47mm (1.9)	60mm (2.4)	57mm Slide-on	55mm Screw-in

OLYMPUS

ZUIKO MACRO 135mm F4.5
Stock NO. 103-750

4 groups 5 elements
Angle of view: 18° (in general photography)

The non-slip, rubberized ring permits fast and precise fine-focusing after magnification setting with the Auto Tube 65-116 (or Auto Bellows).

To detach the lens from the Auto Tube 65~116 or Auto Bellows, press this button and turn 70° counterclockwise.

This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

Filter size: 55mm ϕ
Hood: 57mm ϕ slide-on(optional)

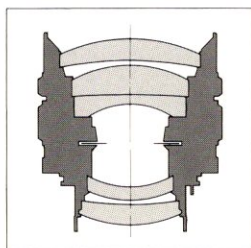
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

This lever transmits selected apertures to the exposure meter.



Actual size

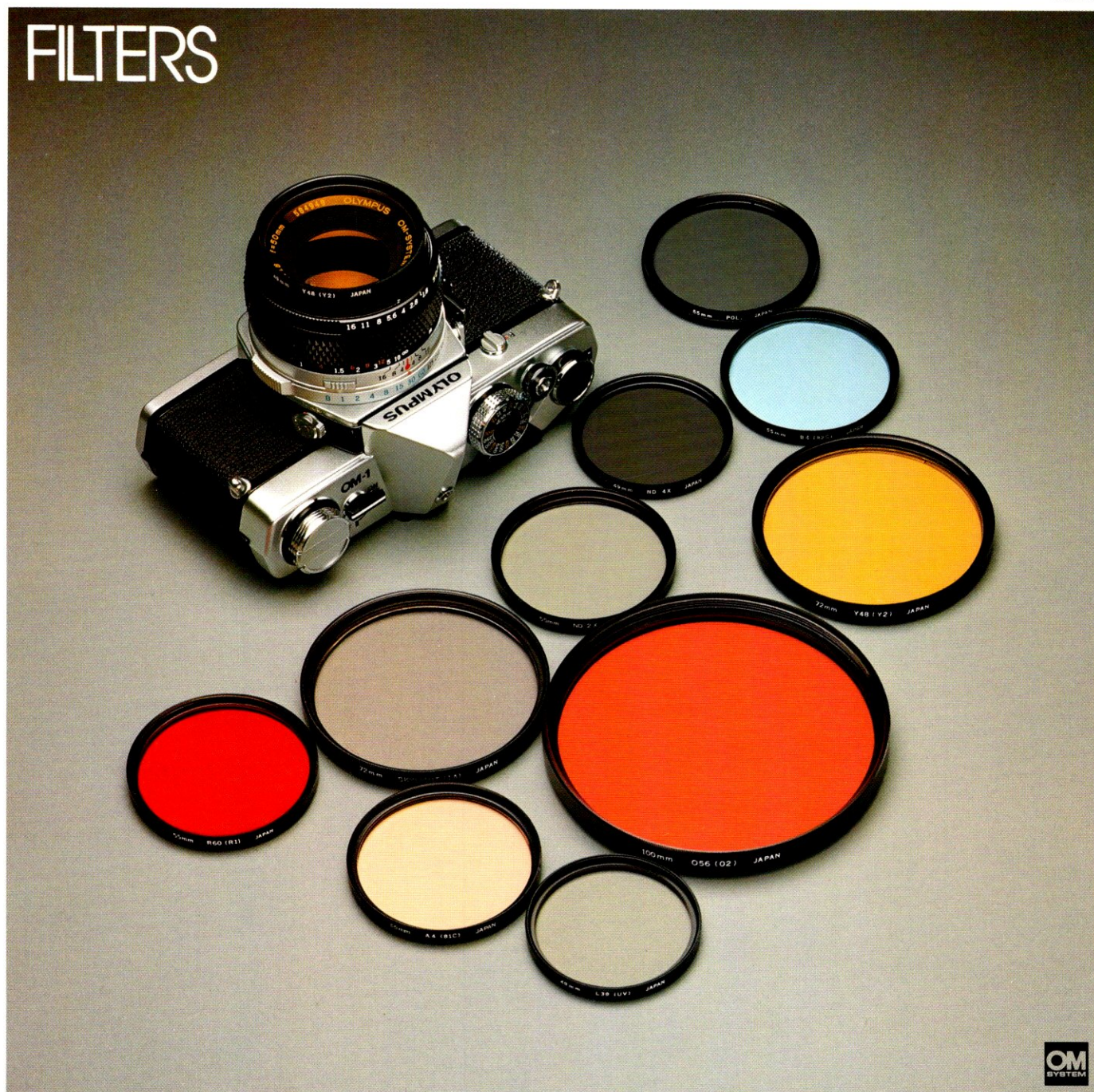


CLOSE-UP & MACROPHOTOGRAPHY TABLE

[illegible]

OLYMPUS

FILTERS



● Filter Size

Olympus filters are available in 4 different diameters, 49mm, 55mm, 72mm and 100mm. They are screwed into the camera lens thread.

Type Size	Sky- light (1A)	L39	ND2	ND4	POL (polar- izing)	Y48 (Y2)	O56 (O2)	R60 (R1)	A4 (A1C)	B4 (B2C)
49mm	○	○	○	○	○	○	○	○	○	○
55mm	○	○	○	○	○	○	○	○	○	○
72mm	○	○				○	○	○		
100mm	○	○				○	○	○		

Use of one filter at a time is recommended. If two or more filters are used simultaneously, the edges of the picture may be unintentionally cut.

OLYMPUS

Type		Color	Exposure factor		Description
			Daylight	Tungsten light	
For B&W and Color films	Skylight (1A)	Colorless	1	1	Absorbs ultra-violet rays. With color films, reduces haze and bluish tones in daylight photography. Makes marked improvements by absorbing bluish cast particularly at the seashore, on high mountains, or in tree shadows during fine weather.
	L39 (UV)	Colorless	1	1	Eliminates undesirable ultra-violet rays which cause dull, flat pictures especially in distant shots. Renders subject in clear, detailed brilliance. May be used at all times to protect the lens.
	ND2	Gray	2	2	Reduces the amount of light entering the lens to a half or quarter respectively without any change of color tone or contrast.
	ND4	Gray	4	4	Used if a photographer wishes to maintain a wide lens aperture or slow shutter speed to obtain special effects such as vignetting the background on purpose, etc.
	POL	—————	3-4	3-4	Enables a photographer to take pictures through glass or water with minimal reflection. Will emphasize clouds against a blue sky by darkening it.
For B&W film	Y48 (Y2)	Yellow	2	1.5	Absorbs a wide range of wavelengths from UV, V to part of blue. Accentuates contrast of clouds, darkening blue skies. Useful in copying documents where letters or figures are blue or black against light background.
	O56 (O2)	Orange	4	3	Absorbs a wider range of wavelengths from UV to blue-green than the Y2. Makes contrast higher than Y2. Can be used with infrared films.
	R60 (R1)	Red	8	4	Makes contrast higher than O2. Capable of penetrating haze for landscape photographs often clearer and sharper than viewed by the naked eye. Indispensable for use with infrared films.
For Color film	A4 (81C)	Amber	1.3		For use when taking color pictures in cloudy or rainy weather. Reduces bluish tone and gives warmer colors (or yellow-reddish tone).
	B4 (82C)	Blue	1.6		Designed for use when taking color pictures in early morning or late evening hours when red rays are predominant. Can also be used to give bluish tone for special effects on purpose.