

OLYMPUS®

OM ZUIKO

The Zuiko Interchangeable Lens Group

The Olympus Optical Company's prized single lens reflex OM system is made up of many different groups of units. They include the Zuiko Interchangeable Lens Group, Motor Drive Group, Flash Group, and Body Group. Of all of these groups, the Zuiko Interchangeable Lens Group is of central importance.

The Zuiko Lens Group is composed of 37 lenses from the 16mm fish-eye to the 1000mm telephoto. The group offers a generous opportunity to explore the special potential of 35mm SLR photography. These lenses are designed with over seventy five years of optical experience to provide the user with the highest quality image possible with today's films and cameras.

These areas include traditional photography, action photography, nature photography, macro and micro photography. As a maker of everything from microscope objective lenses to optical components for precision measuring instruments and every variety of camera lenses, Olympus poured its expertise into the OM Zuiko lens system. These lenses have the reputation for sharp resolution. With the addition of the computer aided design of today's lenses, this reputation is secure through the future.

The Zuiko lens development goal was to create outstanding quality, light, small, performance lenses. Olympus pioneered in this area as they continue to do today, with the notable lenses like the 35~180 ED zoom of the IS-3 or the 35~80 f2.8 ED glass OM zoom lens.

The following pages include the information on today's OM System Zuiko lenses. For further information contact Olympus Customer Service at 1.800."O"CAMERA (622.6372) from 9:00 AM to 5:00 PM EST weekdays.

OLYMPUS

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**OM-Zuiko 16mm f3.5
Fisheye Lens**

Olympus Zuiko16mm f3.5 - f22

11 Elements 8 Groups
180 degree angle of view
minimum focus 0.2m / 0.7'
weight 185g / 6.5 oz.
length 31mm
built in filters
(Y48, 056, and Neutral)
Catalog No. 103-002

The 16mm fish-eye lens has a more general use look to it as opposed to the circular fish-eye lens. It is excellent for creating a surreal look to an image, emphasizing the close area or center, distorting more towards the edges. When the sun or a strong light source appears in the composition it may not be possible to eliminate the resulting ghost image.



OM-Zuiko Super Wide-Angles

18mm f3.5
21mm f2.0
21mm f3.5



Olympus Zuiko 18mm f3.5 - f16
11 Elements 9 Groups
Floating Element Design
100 degree angle of view
minimum focus 0.25m / 0.8'
weight 250g / 8.8 oz.
length 43mm
filters 72mm*
Catalog No. 103-100

Olympus Zuiko 49•72mm Adapter Ring*
filters 72mm
49mm threaded lens hood
for 18mm f3.5 Wide Angle
Catalog No. 108-200

•Additional Lens Hoods and Accessories
are listed at the end of this PDF file.

Olympus Zuiko 21mm f2.0 - f16
11 Elements 9 Groups
Floating Element Design
92 degree angle of view
minimum focus 0.2m / 0.7'
weight 250g / 8.8 oz.
length 44mm
filters 55mm
Catalog No. 103-120

Olympus Zuiko 24mm f2.0 - f16
7 Elements 7 Groups
92 degree angle of view
minimum focus 0.2m / 0.7'
weight 180g / 6.3 oz.
length 31mm
filters 49mm
Catalog No. 103-110

Olympus Zuiko24mm f2.0 - f16
 10 Elements 8 Groups
 Floating Element Design
 84 degree angle of view
 minimum focus 0.25m / 0.8'
 weight 275g / 9.7 oz.
 length 48mm
 filters 55mm
 Catalog No. 103-120

Olympus Zuiko24mm f2.8 - f16
 8 Elements 7 Groups
 84 degree angle of view
 minimum focus 0.25m / 0.8'
 weight 185g / 6.5 oz.
 length 31mm
 filters 49mm
 Catalog No. 103-130



OM-Zuiko Wide Angles



24mm f2.0
 24mm f2.8
 28mm f2.0
 28mm f2.8
 35mm f2.0
 35mm f2.8



Olympus Zuiko 28mm f2.0 - f16

9 Elements 8 Groups
Floating Element Design
75 degree angle of view
minimum focus 0.3m / 1.0'
weight 245g / 8.6 oz.
length 43mm
filters 49mm
Catalog No. 103-200

Olympus Zuiko 28mm f2.8 - f22

6 Elements 6 Groups
75 degree angle of view
minimum focus 0.3m / 1.0'
weight 170g / 6.0 oz.
length 32mm
filters 49mm
Catalog No. 103-205

Olympus Zuiko 35mm f2.0 - f16

8 Elements 7 Groups
63 degree angle of view
minimum focus 0.3m / 1.0'
weight 240g / 8.5 oz.
length 43mm
filters 55mm
Catalog No. 103-220

Olympus Zuiko 35mm f2.8 - f16

7 Elements 6 Groups
63 degree angle of view
minimum focus 0.3m / 1.0'
weight 175g / 6.2 oz.
length 33mm
filters 49mm
Catalog No. 103-230

Wide angle lenses are generally thought of as scenic lenses. Although this is their general use they are also used when you need to be close to a subject and room is not available. Many journalist and stock photographers will use a wide angle lens for this purpose. They are ideal for shooting a group, or individual, increasing apparent depth by pushing the horizon back. The smaller the focal length and the greater the angle of view the more distortion can appear in the photograph. To prevent this Olympus has produced a full set of corrected floating element lenses. The 18mm f3.5, 21mm f2.0, 24mm f2.0, 28mm f2.0, and 35mm f2.0 lenses are all floating element designs with excellent image quality from their closest to furthest point of focus.



Olympus Zuiko 24mm f3.5 - f22 Shift

12 Elements 10 Groups
ED glass element
84 degree angle of view
100 degree image circle
shift range 10mm up or down
8mm left or right
minimum focus 0.35m / 1.1'
weight 520g / 18.3 oz.
length 75mm
filters built in
(Neutral, Y48, O56, R60)
Catalog No. 103-810

Olympus Zuiko 35mm f2.8 - f22

8 Elements 7 Groups
63 degree angle of view
83 degree image circle
shift range 12mm up, 13mm down, 10.4mm left and right
minimum focus 0.3m / 1.0'
weight 310g / 10.9oz.
length 59mm
filters 49mm
Catalog No. 103-800

These wide angle lenses are designed to control distortion in 35mm photography. They do this by using a larger image circle, 57.2mm on the 24mm and 62 mm on the 35mm, as opposed to 43 mm of a standard lens design. The extra size of the image circle allows you to control the perspective of the image when shift-

Olympus Zuiko50mm f1.2 - f16

7 Elements 6 Groups
47 degree angle of view
minimum focus 0.45m / 1.5'
weight 285g / 10.1 oz.
length 43mm
filters 49mm
Catalog No. 103-325

Olympus Zuiko50mm f1.8 - f16

6 Elements 4 Groups
47 degree angle of view
minimum focus 0.45m / 1.5'
weight 165g / 5.8 oz.
length 32mm
filters 49mm
Catalog No. 103-320



**OM-Zuiko
Standard Lens
50mm f1.2
50mm f1.8**

It is said the visual range we can see things clearly is around 50 degrees (diagonal). The standard lens is based on an angle close to 47 degrees (diagonal), and thus comes close to our clear vision range. One of the characteristics of a "standard lens" is their fast speed, (f 1.2 to f 2.0). The advantage to these faster lenses is the ability to focus and see through the camera in poor light. Olympus has four lenses in the standard focal length range, the 50mm f1.2, f1.8, f2.0 macro, and the f3.5 macro. Since the 50mm lens introduces very little distortion compared to our vision, it is ideal for accurate and subtle compositions.



**OM-Zuiko
1/2X Macros**

90mm f2.0 50mm f2.0 50mm f3.5

Olympus Zuiko50mm f3.5 - f22

5 Elements 4 Groups
47 degree angle of view
minimum focus 0.23m / 0.8'
.5X magnification to ∞
weight 200g / 7.1 oz.
length 40mm
filters 49mm
Catalog No. 103-720

Olympus Zuiko 50mm f2.0 - f16 Macro

9 Elements 7 Groups
47 degree angle of view
minimum focus 0.24m / 0.8'
.5X magnification to ∞
weight 320g / 11.3 oz.
length 55mm
filters 55mm
Catalog No. 103-713

Olympus Zuiko 90mm f2.0 - f22 Macro

9 Elements 9 Groups
Floating Element Design
27 degree angle of view
minimum focus 0.4m / 1.3'
.5X magnification to ∞
weight 550g / 19.4 oz.
length 71mm
filters 55mm
Catalog No. 103-732

Olympus Zuiko 80mm f4.0 - f32

6 Elements 4 Groups
9 degree angle of view
at highest magnification
used with auto bellows
or auto extension tube
magnifications .5X to 1.2X
weight 170g / 6.0 oz.
length 31mm
filters 49mm
Catalog No 103-731
80mm Close Up Lens
Add on 2X Close Up Lens
used with 80mm Macro and
65~ 116 Auto Extension Tube
Catalog No. 104-004

Olympus Zuiko 135mm f4.0 - f45

5 Elements 4 Groups
18 degree angle of view
used with auto bellows
or auto extension tube
magnifications .5X to ∞
weight 320g / 11.3 oz.
length 47mm
filters 55mm
Catalog No. 103-750

Olympus Zuiko 65~116 Telescopic Auto Tube

Catalog No. 104-016

Olympus Zuiko Auto Bellows

Catalog No. 104-100

Olympus Zuiko 7mm Auto Extension Tube

Catalog No. 104-013

Olympus Zuiko 14mm Auto Extension Tube

Catalog No. 104-014

Olympus Zuiko 25mm Auto Extension Tube

Catalog No. 104-015

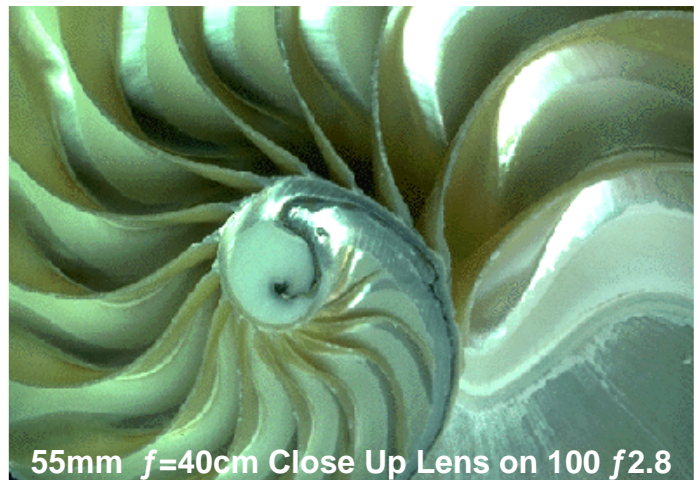
Olympus Zuiko 49mm f=40cm Close up Lens

Catalog No. 104-001

Olympus Zuiko 55mm f=40cm Close up Lens

Catalog No. 104-002

Olympus offers a wide variety of macro lenses from the familiar 50mm to the more exotic bellow 20mm lenses. General use macro photography is usually between half life size and one tenth life size. (Written as 1/2 X, 1:2, or .5 life) An image that is half life size is half as big on the film as it is in reality, life size would be the same size on the film as it is in reality. To achieve Life size magnifications adding *Auto Extension Tubes* is required. With a 50mm Macro you need to have an additional 25mm of extension. With the 90mm macro an additional 45mm of extension is needed. For scientific uses a higher magnification may be desirable. For this purpose Olympus makes 3 higher magnification bellow type macro lenses. The 20mm is the highest magnification, 13.6 X on the *Auto Bellows*, and slightly less on the *65~116mm Auto Extension Tube*. The 38mm bellows lens provides magnifications to 6.7X while the 80mm is used between 1/2 life and 1.2 X on the *Auto Bellows* and *Auto Telescopic Auto Tube*. For less sophisticated close up photography the 40cm add on macro lenses may be used for near 1/2 life size images.



55mm f=40cm Close Up Lens on 100 f2.8



Zuiko 38mm f 2.8 Macro @5X

20mm f2.0
38mm f2.8
80mm f4.0
135mm f4.0

OM-Zuiko Bellows Macros



Zuiko 20mm f 2.0 Macro @8.5X

Olympus Zuiko20mm f2.0 - f16
6 Elements 4 Groups
9 degree angle of view
at highest magnification
used with auto bellows
or auto extension tube
magnifications 4.2X to 13.6X
weight 170g / 6.0 oz.
length 46mm
Catalog No. 103-701

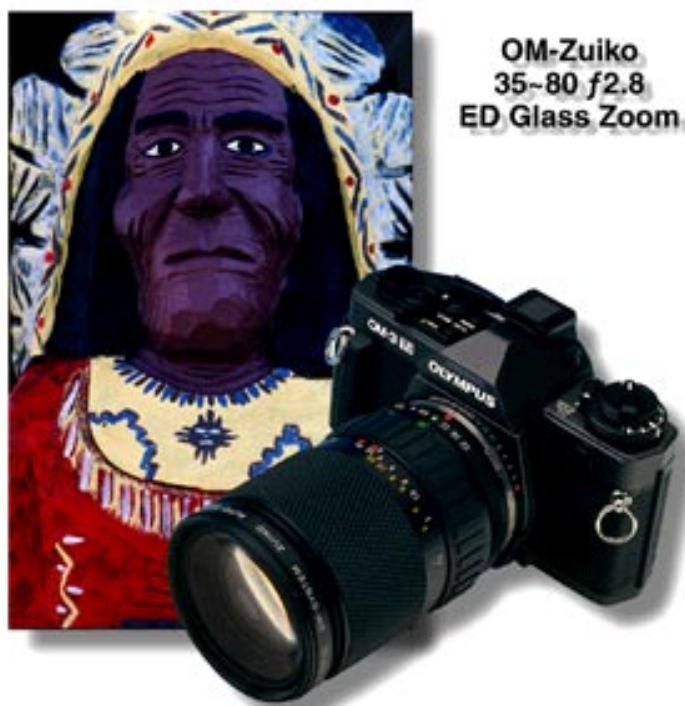
**Olympus Zuiko Lieberkuhn Reflector
PM-LM 20**
Catalog No. 104-200

Olympus Zuiko 65~116 Telescopic Auto Tube
Catalog No. 104-016

Olympus Zuiko38mm f2.8 - f22
6 Elements 4 Groups
9 degree angle of view
at highest magnification
used with auto bellows
or auto extension tube
magnifications 1.7X to 6.7X
weight 170g / 6.0 oz.
length 46mm
Catalog No. 103-711

**Olympus Zuiko Lieberkuhn Reflector
PM-LM 38**
Catalog No. 104-201

Olympus ZuikoAuto Bellows
Catalog No. 104-100



**OM-Zuiko
35-80 f2.8
ED Glass Zoom**

Olympus Zuiko100mm f2.0 - f16
 7 Elements 6 Groups
 floating element lens design
 24 degree angle of view
 minimum focus 0.7m / 2.3'
 weight 500g / 17.6 oz.
 length 72mm
 filters 55mm
 Catalog No. 103-570

Olympus Zuiko100mm f2.8 - f22
 7 Elements 6 Groups
 24 degree angle of view
 minimum focus 1.0m / 3.3'
 weight 235g / 8.3 oz.
 length 48mm
 filters 49mm
 Catalog No. 103-510

Olympus Zuiko 35mm~80mm f2.8 - f22
 16 Elements 14 Groups
 ED glass & High Refractive
 glass formula constant f no.
 63-30 degree angle of view
 minimum focus 0.6m / 2.0'
 weight 650g / 22.9 oz.
 length 99mm
 filters 62mm
 Catalog No. 103-450

This remarkable Zuiko lens sets a new standard of optical precision in zoom lens design. By using both Extra Low Dispersion glass and High Refractive Index glass lenses, Olympus developed a zoom that rivals many single focal length lenses. In the past few years this style zoom lens has become a popular all around lens for general photography. Its fast $f2.8$ aperture allows for good low light performance, while its 35mm~80mm range gives added flexibility.

Olympus Zuiko85mm f2.0 - f16
 5 Elements 4 Groups
 29 degree angle of view
 minimum focus 0.85m / 2.8'
 weight 260g / 9.2 oz.
 length 48mm
 filters 49mm
 Catalog No. 103-500



OM-Zuiko Medium Telephoto



Zuiko Telephoto & Super Telephoto Lenses

Olympus Zuiko 180mm f2.8 - f32

5 Elements 5 Groups
14 degree angle of view
minimum focus 2.0m / 6.6'
weight 700g / 24.7 oz.
length 125mm
filters 72mm
Catalog No. 103-560

Olympus Zuiko 180mm f2.0 - f22

10 Elements 8 Groups
UD glass element and
internal focusing design
14 degree angle of view
minimum focus 1.6m / 5.2'
weight 1900g / 67.0 oz.
length 174mm
filters 100mm
Catalog No. 103-555

Olympus Zuiko 200mm f4.0 - f32

5 Elements 4 Groups
12 degree angle of view
minimum focus 2.5m / 8.2'
weight 515g / 18.2 oz.
length 127mm
filters 55mm
Catalog No. 103-540

Olympus Zuiko 250mm f2.0 - f22

12 Elements 9 Groups
UD glass element and
internal focusing design
10 degree angle of view
minimum focus 2.2m / 7.2'
weight 3900g / 137.6 oz.
length 246mm
filters 46mm rear slip in
Catalog No. 103-580

Olympus Zuiko 300mm f4.5 - f32

6 Elements 4 Groups
8 degree angle of view
minimum focus 3.5m / 11.5'
weight 1020g / 10.1 oz.
length 181mm
filters 72mm
Catalog No. 103-600

Olympus Zuiko 350mm f2.8 - f22

9 Elements 7 Groups
UD glass element and
internal focusing design
7 degree angle of view
minimum focus 3.0m / 9.8'
weight 3900g / 137.6 oz.
length 280mm
filters 46mm rear slip in
Catalog No. 103-605

Olympus Zuiko 400mm f6.3 - f32

5 Elements 5 Groups
6 degree angle of view
minimum focus 5.0m / 16.4'
weight 1300g / 45.9 oz.
length 256mm
filters 72mm
Catalog No. 103-610

Olympus Zuiko 500mm f8.0 Reflex

5 Elements 2 Groups
5 degree angle of view
minimum focus 4.0m / 13.1'
weight 590g / 20.8 oz.
length 97mm
filters 72mm
Catalog No. 103-615

Olympus Zuiko 600mm f6.5 - f32

6 Elements 4 Groups
4 degree angle of view
minimum focus 11.0m / 36.1'
weight 2800g / 98.8 oz.
length 377mm
filters 100mm
Catalog No. 103-620

Olympus Zuiko 1000mm f11 - f45

5 Elements 5 Groups
2.5 degree angle of view
minimum focus 30m / 98.4'
weight 4150g / 146.4 oz.
length 662mm
filters 100mm
Catalog No. 103-630





OM-Zuiko Tele Converters



Olympus Zuiko 1.4XA Tele-converter

5 Elements 4 Groups
 minimum focus = lens
 matched to: 180mm *f*2.8;
 180mm *f*2.0; 250mm *f*2.0;
 300mm *f*4.5; 350mm *f*2.8;
 and 400mm *f*6.3 Telephotos
 weight 180g / 6.3 oz.
 length 23mm
 Catalog No. 103-855

Olympus Zuiko 2XA Tele-converter

6 Elements 6 Groups
 minimum focus = lens
 matched to: 100mm *f*2.8
 through 200mm *f*4.0
 weight 215g / 7.6 oz.
 length 48mm
 Catalog No. 103-850

Olympus Zuiko	18mm f3.5 - Lens Hood
	Catalog No. 108-200
Olympus Zuiko	21mm f2.0 - Lens Hood
	Catalog No. 108-232
Olympus Zuiko	21mm f3.5 - Lens Hood
	Catalog No. 108-210
Olympus Zuiko	24mm f2.0 - Lens Hood
	Catalog No. 108-211
Olympus Zuiko	24mm f2.8- Lens Hood
	Catalog No. 108-212
Olympus Zuiko	28mm f2.0 - Lens Hood
	Catalog No. 108-220
Olympus Zuiko	28mm f2,8- Lens Hood
	Catalog No. 108-221
Olympus Zuiko	28mm f3.5 - Lens Hood
	Catalog No. 108-221
Olympus Zuiko	35mm f2.0 - Lens Hood
	Catalog No. 108-222
Olympus Zuiko	35mm f2.8 - Lens Hood
	Catalog No. 108-230
Olympus Zuiko	35mm f2.8 Shift - Lens Hood
	Catalog No. 108-210
Olympus Zuiko	50mm f1.2 - Lens Hood
	Catalog No. 108-233
Olympus Zuiko	50mm f1.4 - Lens Hood
	Catalog No. 108-230
Olympus Zuiko	50mm f1.8 - Lens Hood
	Catalog No. 108-230
Olympus Zuiko	85mm f2.0 - Lens Hood
	Catalog No. 108-240
Olympus Zuiko	90mm f2.0 - Lens Hood
	Catalog No. 108-242
Olympus Zuiko	135mm f4.5- Lens Hood
	Catalog No. 108-242

Olympus Zuiko Lens Filter Sizes

AF-24 f2.8*	49mm
AF-28 f2.8*	49mm
AF-50 f1.8*	49mm
PF-50 f2.0*	49mm
AF-50 f2.8 Macro*	49mm
AF-35~70 f3.5-4.5 *	49mm
PF-35~70 f3.5-4.5 *	49mm
AF-28~85 f3.5-4.5*	55mm
AF-35~105 f3.5-4.5*	55mm
AF-70~210 f3.5-4.5*	55mm

*=Discontinued Lens

OM-8 f2.8*	Built-In
OM-16f3.5.....	Built-In
OM-18 f3.5.....	72mm
OM-21 f2.0	55mm
OM-21 f3.5.....	49mm
OM-24 f2.0	55mm
OM-24 f2.8.....	49mm
OM-24 f3.5 Shift.....	Built-In
OM-28 f2.0	49mm
OM-28 f2.8.....	49mm
OM-28 f3.5 *	49mm
OM-35 f2.0.....	55mm
OM-35 f2.8	49mm
OM-35 f2.8 Shift	49mm
OM-40 f2.0 *	49mm
OM-50 f1.2.....	49mm
OM-50 f1.4 *	49mm
OM-50 f1.8.....	49mm
OM-55 f1.2*	55mm
OM-80 f4.0 Macro	49mm
OM-85 f2.0.....	49mm
OM-100 f2.0	55mm
OM-100 f2.8.....	49mm
OM-135 f2.8*	55mm
OM-135 f3.5*	49mm
OM-135 f4.5 Macro.....	55mm
OM-180 f2.8	72mm
OM-180 f2.0.....	100mm
OM-200 f4.0	55mm
OM-200 f5.0*.....	49mm
OM-250 f2.8.....	rear 46mm
OM-300 f4.5	72mm
OM-350 f2.8.....	rear 46mm
OM-400 f6.3	72mm
OM-600 f6.5.....	100mm
OM-1000 f11.....	100mm
OM-28~48 f3.5-4.5 *	49mm
OM-35~70 f3.5-4.5 *	49mm
OM-35~70 f4.0AF *	55mm
OM-35~70 f4.0 *	55mm
OM-35~70 f3.6 *	55mm
OM-35~80 f2.8	62mm
OM-75~150 f4.0*.....	49mm
OM-100~200 f5.0*.....	49mm
OM-65~200 f4.0*.....	55mm
OM-85~250 f5.0*Two Touch.....	55mm
OM-85~250 f5.0*One Touch.....	55mm