

Underwater Micro Fisheye Lens 『UFL-M150 ZM80』 is released

INON INC. releases new “underwater insect-eye lens” for a compact digital camera and its adapters to attach on a “Mount Base” (*1) on 『July 21, 2011』. The new lens provides 150° ultra-wide angle fisheye imaging easily even shooting distance is 0cm, by simply attach the lens on INON “Mount Base” product (*1) and set camera’s zoom position approximately 80mm (35mm film equivalent).

・『Underwater Micro Fisheye Lens 『UFL-M150 ZM80』』

--Release date: July 21, 2011
--Retail in Japan : JPY23,000-
--JAN code : 456212143 621 3

・『M27-AD Mount Converter for UFL-M150 ZM80』

--Release date: July 21, 2011
--Retail in Japan : JPY3,500-
--JAN code : 456212143 622 0
(*Necessary to attach the lens on 28AD/AD Mount Base)

・『M27-M67 Mount Converter for UFL-M150 ZM80』

--Release date: July 21, 2011
--Retail in Japan : JPY3,500-
--JAN code : 456212143 623 7
(*Necessary to attach the lens on M67 Mount Base)

・『M27-LD Mount Converter for UFL-M150 ZM80』

--Release date: July 21, 2011
--Retail in Japan : JPY3,500-
--JAN code : 456212143 624 4
(*Necessary to attach the lens on 28LD Mount Base)

(*1) Refer to below link page to see compatible Mount Base.

・『UFL-M150 ZM80 Compatibility Chart』

http://www.inon.jp/cgis/news/img/UFL-M150ZM80_Compatible.pdf



『Underwater Micro Fisheye Lens 『UFL-M150 ZM80』』



Left: 「M27-AD Mount Converter for UFL-M150 ZM80」
Center: 「M27-M67 Mount Converter for UFL-M150 ZM80」
Right: 「M27-LD Mount Converter for UFL-M150 ZM80」



「Underwater Micro Fisheye Lens 『UFL-M150 ZM80』」/「M27-AD Mount Converter for UFL-M150 ZM80」
installed on Olympus 『PT-045』+INON 『28AD Mount Base・PT-045/047』



「Underwater Micro Fisheye Lens 『UFL-M150 ZM80』」/「M27-M67 Mount Converter for UFL-M150 ZM80」
installed on Sony 『MPK-WD』+INON 『M67 Mount Base・WD』



「Underwater Micro Fisheye Lens 『UFL-M150 ZM80』」/「M27-LD Mount Converter for UFL-M150 ZM80」
installed on Canon 『WP-DC38』+INON 『28LD Mount Base・DC38』

■ Product features ■

- You can enjoy “underwater insect-eye lens” by simply installing the lens on your compact digital camera
The UFL-M150 ZM80 is specifically designed for a compact digital camera which has compact master lens and ordinary zoom function enabling to shoot ultra-wide/super-macro imaging easily simply by installing the lens on INON “Mount Base” (*2). The subject side lens diameter is relatively small (ϕ 32.9mm) and minimum focusing distance is 0cm to shoot so-called “insect-eye lens” imaging which draws a line against a standard fisheye lens.
- Setting camera’s zoom at approximately 80mm (35mm film equivalent) gives you 150° view angle underwater (*3)
Even shooting a small subject which will be exposed as a dot by a standard fisheye lens, the UFL-M150 ZM80 will capture it in entire image thanks to its compact lens diameter.
- Broad compatibility supported by adjustable screw lens mount (*1)
The lens barrel has threaded wall to adjust lens position back and forth to accommodate with different master lenses among many compact digital cameras (*4).
- Fully compatible with INON “S-TTL” Auto mode
You can take full advantage of INON “S-TTL” Auto strobe mode supported by INONZ-240, D-2000, S-2000 to benefit appropriate exposure images simply by pressing shutter release button.
- The lens keeps same brightness of camera’s master lens
The UFL-M150 ZM80 is an afocal system conversion lens which does not affect focal ratio of combined master lens and benefit you to use camera’s AF (auto focus) function as it is.

(*2) Compatible 「Mount Base」and appropriate 「Mount Converter」is necessary to attach this lens on a camera system.

(*3) This lens is designed for underwater use only and not usable on land as it will not form an image.

(*4) Not usable for a compact digital camera carrying large master lens or super zoom function, nor interchangeable lens for SLR system.

■ 『UFL-M150 ZM80』 example set-up ■



- Panasonic「LUMIX for DMC-FT3」+ Panasonic「DMW-MCFT3」
- 「28LD Mount Base・MCFT3」
- 「UFL-M150 ZM80」+ 「M27-LD Mount Converter for UFL-M150 ZM80」

- 「LE550-W」 x 2 (with LSU Pink Filter・LE)
- 「Double Light Holder・LE」+ 「Z Joint」

- 「Direct Arm YS Set・Multi D.B. Long」
- 「Grip Base D4」



- Canon 「PowerShot S95」+ Canon 「WP-DC38」
- 「28LD Mount Base・DC38」
- 「UFL-M150 ZM80」+「M27-LD Mount Converter for UFL-M150 ZM80」
- 「S-2000」 x 2 (with optional “-0.5 Blue Diffuser for S-2000”)
- 「Strobe Light Holder・LE」
- 「LE550-W」 x 2 (with LSU Pink Filter・LE)
- 「Optical D Cable Type L・Cap W51 Set」+「Optical D Cable Type L」
- 「Arm SS Set Z」 x 2
- 「Grip Base D4」 + 「D Holder」

■ Before purchasing 『UFL-M150 ZM80』 ■

This product is a particular conversion lens not like conventional fisheye lens. Please read through below to understand the characteristic this product before purchasing it.

- This lens is designed to capture a small subject in entire image in its vicinity to obtain so-called “insect eye lens imaging”. So its optical design makes lens diameter relatively small and provides minimum aberrations when shooting a subject just in front of the lens. If you intend to shoot whole underwater landscape, use a standard fisheye conversion lens.
- This product is designed for underwater use only. Not usable on land. Use a tank or bathtub filled with water when conducting test shot on land.
- When shooting, zoom towards to telephoto side at approximately focal length 80mm (35mm film equivalent) until no vignetting is observed. Shooting at wide end setting will give you a circular fisheye image (view angle 150°).
- Since the lens has small diameter and enables to shoot at 0cm from a subject, depth of field gets enormously shallow when shooting few mm away from a subject. In such a case, it is recommended to use small aperture setting.
- This product is not compatible with any of INON “Lens Holder” due to product feature to adjust mount position back and forth by screwing it.
- It is recommended not to use the built-in flash when not using an external strobe since the built-in flash light could be blocked depending on housing, shooting distance or angle of view etc.
- Be well conscious of marine environment and marine lives not to stress and harm them when shooting with this product.

■ 『UFL-M150 ZM80』 sample images ■



--Subject/shooting distance:
Perch sculpin(10cm/3.9" in length)/approx.1cm/0.4"
--Equipment:
Canon PowerShot S90/WP-DC35,
INON UFL-M150 ZM80, Z-240 x 2 (S-TTL)
--Photo data: 1/250, F8, ISO100
(*Zoom position 「85mm」(35mm film equivalent))
--Photo by: F. Torii (INON INC.)
at "Wannai" Osezaki, Shizuoka, Japan



--Subject/shooting distance:
Yellow hawkfish(approx.8cm/3.1" in length)/approx.3cm/1.2"
--Equipment:
Canon PowerShot S90/WP-DC35,
INON UFL-M150 ZM80, Z-240 x 2 (S-TTL)
--Photo data: 1/80, F8, ISO100
(*Zoom position 「85mm」(35mm film equivalent))
--Photo by: F. Torii (INON INC.)
at "Wannai" Osezaki, Shizuoka, Japan



--Subject/shooting distance:
Soft coral goby (approx.2.5cm/1.0" in length)/
approx.1.5cm/0.6"
--Equipment:
Canon PowerShot S90/WP-DC35,
INON UFL-M150 ZM80, Z-240 x 2 (S-TTL)
--Photo data: 1/60, F8, ISO80
(*Zoom position 「85mm」(35mm film equivalent))
--Photo by: F. Torii (INON INC.)
at "Bitagane" Atami, Shizuoka, Japan



- Subject/shooting distance:
Raggy scorpionfish (approx.20cm/7.9" in length)/
approx.5cm/2.0"
- Equipment:
Canon PowerShot S90/WP-DC35,
INON UFL-M150 ZM80, S-2000 x 2 (S-TTL)
- Photo data: 1/30, F5.6, ISO80
(*Zoom position wide end 「28mm」(35mm film equivalent))
- Photo by: F. Torii (INON INC.)
at "Bitagane" Atami, Shizuoka, Japan



- Subject/shooting distance:
Diver /approx.1.5cm/0.6"
- Equipment:
Canon PowerShot S95/WP-DC38,
INON UFL-M150 ZM80, S-2000 x 2 (S-TTL)
- Photo data: 1/60, F8, ISO100
(*Zoom position 「85mm」(35mm film equivalent))

■ 『UFL-M150 ZM80』 specifications ■

- Outer diameter/length: ϕ 39.7mm (1.6") / 36.8mm (1.4")
- Weight[underwater/air]: approx. 41g (1.4oz) / 66g (2.3oz)
- Thread diameter/pitch: M27 / P1
- Depth rating: 60m (197')
- Lens material / finishing: Optical glass / both side anti-reflection coating
- Construction / magnification: 4 groups 5 elements / 0.15 (underwater afocal system)
- Max. view angle: 150.0°

■ Relative information ■

- ・【Gallery】 『UFL-M150 ZM80』
http://www.inon.jp/photogallery/inon/uflm150zm80_ryo_minemizu.html
- ・「UFL-M150 ZM80 Compatibility Chart」
http://www.inon.jp/cgis/news/img/UFL-M150ZM80_Compatible.pdf
- ・「Mount Base」
http://www.inon.jp/products/key_components/lineup.html
- ・「Grip Base D4」
<http://www.inon.jp/products/armssystem/base.html#gripbase>
- ・「Underwater LED flashlight 『LE550-W』」
- ・「Underwater LED flashlight 『LE550-S』」
- ・「Underwater LED flashlight 『LE240』」
- ・「Waterproof LED flashlight 『LE250』」
http://www.inon.jp/products/le_light/lineup.html
- ・「Underwater “S-TTL” Auto strobe 『S-2000』」
<http://www.inon.jp/products/strobe/s2000/top.html>
- ・「Underwater “S-TTL” Auto strobe 『D-2000』」
<http://www.inon.jp/products/strobe/d2000/top.html>
- ・「Underwater “S-TTL” Auto strobe 『Z-240』」
<http://www.inon.jp/products/strobe/z240/top.html>
- ・「Optical D Cable Type L・Cap W51 Set」
- ・「Optical D Cable SS Type L・Cap W51 Set」
<http://www.inon.jp/products/strobe/optical/capset.html>

July 19th, 2011
INON Inc.

*Press release information is as of July 19th, 2011 and subject to change without prior notice.

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