

Micro Four Thirds Lenses



My [other articles](#) related to the Olympus OM-D System.

This is an annotated list of lenses available for the Olympus OM-D, Pen, and other (mostly Panasonic) *Micro Four Thirds* (μFT) cameras.

If you are looking for (non-Micro) *Four Thirds* (SLR) lenses – see  [another list](#).

The table lists most of μFT lenses currently available, as well as those already discontinued (if they meaningfully differ from current). Latest or pending releases are highlighted.

I am also providing links to respective manufacturers' product pages, and, where possible, U.S. prices, with links to the  [B&H](#) online catalog. (No, I am not getting a cut from them!)

Note: Some of these links occasionally get broken; don't blame me for that!

- **2019/05/20** Fixed MFW for four lenses; added Sigma 16/1.4, MZD 12-200/3.5-6.3
- **2018/12/20** Removed lenses by defunct companies Oprema and Meyer Optics (a few could have been actually made)
- **2018/09/28** Added Laowa 4/2.8 Fisheye, 9/2.8 Zero-D, 12/1.8, 17/1.8; Sigma 56/1.4, Panasonic 10-25/1.7
- **2018/03/03** Added two premium lenses by Panasonic: 200/2.8 (ouch!) and 50-200/2.8-4
- **2017/11/06** Added two just-announced Olympus Pro F/1.2 lenses, also some non-coupled ones

See also:  [μFT lenses in the DXO database](#).

Auto Focus Primes

Brand	Designation	FL [mm]	MxAp	MFD [m]	MFW [mm]	IS	D	El/Gr	A/S	Wgt [g]	DxL [mm]	Filter [mm]	Year	Price	Rem.
Olympus	MZD ED PRO Fisheye	8	1.8	.12	180°	-	D	17/15	1/8	315	62×80	-	2015	850	
Panasonic	Lumix G Fisheye	8	3.5	.10	180°	-	-	10/9	0/1	165	61×52	-	2010	800	
Panasonic	DG Summilux	12	1.4	.20	?	-	D	15/12	2/3	335	70×70	62	2016	1300	
Olympus	MZD ED *	12	2.0	.20	216	-	D	11/8	2/2	130	56×43	46	2011	800	
Panasonic	Lumix G II Pancake	14	2.5	.18	~170	-	-	6/5	3/0	55	56×21	46	2015	270	[1]
Panasonic	DG Summilux	15	1.7	.20	~170	-	-	9/7	3/0	115	58×36	46	2014	550	
Sigma	DC DN C	16	1.4	.25	170	-	-	16/13	2/5	405	72.2×92.3	67	2017	400	
Olympus	MZD ED PRO	17	1.2	.20	115	-	-	15/11	?	390	68×87	62	2018	1200	
Olympus	MZD *	17	1.8	.25	216	-	-	9/6	3/1	120	58×36	46	2013	425	[7]
Olympus	MZD Pancake	17	2.8	.20	?	-	-	6/4	1/0	71	57×22	37	2009	300	
Sigma	DN	19	2.8	.20	?	-	-	8/6	3/-	?	61×46	46	2016?	200	

Panasonic	Lumix G II Pancake	20	1.7	.20	?	-	-	7/5	2/0	100	63x26	46	2013	270	[1]
Olympus	MZD ED PRO	25	1.2	.30?	157	-	D	19/14	1/7	410	70x87	62	2016	1200	[7]
Panasonic	DG Summilux	25	1.4	.30	~155	-	-	9/7	2/1	200	63x55	46	2011	600	
Panasonic	Lumix G	25	1.7	.25	~125	-	-	8/7	2/1	125	61x52	46	2015	250	
Olympus	MZD *	25	1.8	.24	144	-	-	9/7	2/0	136	56x41	46	2014	325	
Sigma	DC DN	30	1.4	.30	125	-	-	9/7	2/1	265	65x73	52	2016	340	
Sigma	DN	30	2.8	.30	~140	-	-	7/5	2/-	140	61x41	46	2016?	290	
Panasonic	Lumix G Macro	30	2.8	.105	17	IS	-	9/9	1/0	180	59x64	46	2015	300	
Olympus	MZD ED Macro *	30	3.5	.095	13.9	-	-	7/6	3/1	128	60x57	46	2016	300	[8]
Panasonic	DG Nocticron	42.5	1.2	.50	~170	IS	?	14/11	2/2	425	74x77	67	2014	1400	
Panasonic	Lumix G	42.5	1.7	.31	~85	IS	-	10/8	1/0	130	55x50	37	2015	350	
Yi	Xiaoyi	42.5	1.8	.50	?	-	-	6/6	?	120	57x61	49	2017	100	[9]
Olympus	MZD ED PRO	45	1.2	.5	170	-	D	14/10	?	410	70x85	62	2017	1200	
Olympus	MZD *	45	1.8	.50	157	-	-	9/8	0/2	116	56x46	37	2011	325	
Panasonic	DG Macro-Elmarit	45	2.8	.15	~17	IS	-	14/10	1/1	225	63x63	46	2009	800	
Sigma	DC DN	56	1.4	.50	128	-	-	10/6		281	66.5x59.5	55	2017	430	
Olympus	MZD ED Macro *	60	2.8	.19	17	-	D	13/10	0/4	185	56x82	46	2012	500	[5]
Sigma	DN	60	2.8	.50	~125	-	-	8/6	?	190	61x56	46	2015?	240	
Olympus	MZD ED *	75	1.8	.84	173	-	-	10/9	0/5	305	64x69	58	2012	900	
Panasonic	DG Elmarit	200	2.8	1.15	85?	IS	D	15/13	0/2	1245	87.5x174	77	2018	2500	[15]
Olympus	MZD ED IS PRO	300	4.0	1.4	72	IS	D	17/10	0/7	1475	93x227	77	2016	2500	

Auto Focus Zooms

Brand	Designation	FL [mm]	MxAp	MFD [m]	MFW [mm]	IS\	D	El/Gr	A/S	Wgt [g]	DxL [mm]	Filter [mm]	Year	Price	Rem.
Olympus	MZD ED PRO	7-14	2.8	.20	157	-	D	14/11	4/8	534	79x106	-	2015	1300	
Panasonic	Lumix G	7-14	4.0	.25	-	-	-	16/12	2/4	300	70x83	-	2010	800	
Panasonic	DG Vario-Elmarit	8-18	2.8-4.0	.25	~150	-	D	15/10	4/4	315	73x88	67	2017	1100	
Olympus	MZD ED	9-18	4.0-5.6	.25	173	-	-	12/8	3/2	155	57x50	52	2010	700	
Panasonic	DG Vario Summilux	10-25	1.7	.28	?	-	D	17/12	3/5	690	88x128	77	2019	1800	
Panasonic	Lumix G	12-32	3.5-5.6	.20	~130	IS	-	8/7	3/1	70	56x24	37	2014	300	
Panasonic	Lumix G X	12-35	2.8	.25	~100	IS	D	14/9	4/2	305	68x75	58	2012	700	
Panasonic	Lumix G X II	12-35	2.8	.25	~100	IS	D	14/9	4/2	305	68x74	58	2017	900	[0,3]
Olympus	MZD ED PRO	12-40	2.8	.2	58	-	D	14/9	3/7	382	70x84	62	2013	1000	[7]
Yi	Xiaoyi	12-40	3.5-5.6	.35	?	-	-	11/9	4/1	183	58x63	49	2017	?	
Olympus	MZD ED EZ	12-50	3.5-6.3	.35	85	-	D	10/9	2/2	211	57/83	52	2011	500	[2]
Panasonic	DG Vario-Elmarit	12-60	2.8-4.0	.20	~50	IS	D	14/12	?	320	68x86	62	2017	1000	[0,3]
Panasonic	Lumix G	12-60	3.5-5.6	.25	~65	IS	D	11/9	3/1	210	66x71	58	2016	500	
Olympus	MZD ED IS PRO	12-100	4.0	.15-.45	58-82	IS	D	17/11	4/8	561	78x116	72	2016	1200	
Olympus	MZD ED	12-200	3.5-6.3	.22-.7	173-75	-	D	16/11	3/7	455	77.5x99.7	72	2019	900	
Olympus	MZD ED EZ Pancake	14-42	3.5-5.6	.20	77	-	-	8/7	3/2	91	61x23	37	2014	300	
Olympus	MZD	14-42	3.5-5.6	.25	~80	-	-	9/8	?	150	62x44	40.5	2009	-	
Olympus	MZD II R	14-42	3.5-5.6	.25	58	-	-	8/7	3/-	111	56x48	37	2013	300	[1,6]
Panasonic	Lumix G X Pancake	14-42	3.5-5.6	.20	~100	IS	-	9/8	4/2	95	61x27	37	2011	350	

Panasonic	Lumix G	14-42	3.5-5.6	.30	~100	IS	-	12/9	1/0	165	61x64	52	2010	160	
Panasonic	Lumix G II	14-42	3.5-5.6	.2	~100	IS	-	9/8	2/0	110	56x49	46	2013	250	
Panasonic	Lumix G	14-45	3.5-5.6	.30	~100	IS	-	12/9	1/0	195	60x60	52	2008	300	
Panasonic	Lumix G	14-140	3.5-5.6	.30	~70	IS	-	14/12	3/2	265	67x75	58	2013	700	[4]
Panasonic	Lumix G HD	14-140	4.0-5.8	.50	~70	IS	-	17/13	3/2	460	70x84	62	2009	550	
Olympus	MZD ED II	14-150	4.0-5.6	.50	78	-	D	15/11	3/5	280	64x84	58	2015	600	[1]
Tamron	Di III	14-150	3.5-5.8	.50	~70	-	-	17/13	3/1	285	63x80	52	2014	460	
Panasonic	Lumix G	35-100	4.0-5.6	.90	~80	IS	-	12/9	1/2	135	56x50	46	2014	400	
Panasonic	Lumix G X	35-100	2.8	.85	.170	IS	D	18/13	0/3	360	67x100	58	2012	1300	
Panasonic	Lumix G X II	35-100	2.8	.85	.170	IS	D	18/13	0/3	357	67x100	58	2017	1100	[0,3]
Olympus	MZD ED PRO	40-150	2.8	.70	83	-	D	16/10	3/6	760	79x160	72	2014	1350	
Olympus	MZD ED R	40-150	4.0-5.6	.90	108	-	-	13/10	0/1	190	63x83	58	2010	200	
Panasonic	Lumix G	45-150	4.0-5.6	.90	~100	IS	-	12/9	2/1	200	62x73	52	2012	250	
Panasonic	Lumix G X	45-175	4.0-5.6	.90	~90	IS	-	14/10	2/2	210	62x90	46	2011	450	
Panasonic	Lumix G	45-200	4.0-5.6	1.0	~90	IS	-	16/13	0/3?	380	70x100	52	2008	300	
Panasonic	Lumix G II	45-200	4.0-5.6	1.0	~90	IS	D	?	0/3	370?	70x100	52	2017	450	[0]
Panasonic	DG Vario-Elmarit	50-200	2.8-4.0	.75	35?	IS	D	21/15	2/4	655	76x132	67	2018	1700	
Olympus	MZD ED	75-300	4.8-6.7	.90	~100	-	-	18/13	-/6	423	69x117	58	2010	-	-
Olympus	MZD ED II	75-300	4.8-6.7	.90	~100	-	-	18/13	-/6	423	69x117	58	2013	475	[1]
Panasonic	Lumix G	100-300	4.0-5.6	1.5	~80	IS	-	17/12	0/1	520	73x126	67	2010	600	
Panasonic	Lumix G II	100-300	4.0-5.6	1.5	~80	IS	D	17/12	0/1	520	74x126	67	2017	650	[0]
Panasonic	DG Vario-Elmar	100-400	4.0-6.3	1.3	~69	IS	D	20/13	1/4	985	83x172	72	2016	1800	

Manual Focus Primes

Brand	Designation	FL [mm]	MxAp	MFD [m]	MFW [mm]	Cov	Ck	El/Gr	A/S	Wgt [g]	DxL [mm]	Filter [mm]	Year	Price	Rem.
Venus Optics	Laowa Fisheye	4	2.8	.08	210°	FT		7/6		135	45.2x25.5	-	2018	?	[16,17]
Samyang [R]	UMC Fisheye	7.5	3.5	.09	180°	43	C	9/7	1/0	197	60x48	-	?	230.	220
Venus Optics	Laowa	7.5	2.0	.12	110°	43	C?	13/9	2/3	170	50x55	46	2017	500	[14]
7artisans	Fisheye	7.5	2.8	.12?	180°?	DX	C?	11/8	?	275	58x53	-	2017	140	[13]
Rokinon	UMC Fisheye CS II or HD	8	3.5	.30	139°	DX	C	10/7	1/0	450	75x102	-	?	260	
Kowa	Prominar	8.5	2.8	.20	239	43	CN	17/14	1/2	440	72x87	86	2014?	880	
Venus Optics	Laowa Zero-D	9	2.8	.12	113°	?	?	15/10	2/3	215	53x60	49	2018	500	
Rokinon	RMC Fisheye	9	8.0	.28	168°	43	-	4/4	0/0	220	65x57	-	?	140	[10]
Samyang [R]	ED AS NCS CS	10	2.8	.24	93°	DX	C	14/9	2/1	620	87x131	-	?	380	
Voigtländer	Nokton	10.5	.95	.17	-	43	CN	13/1	2/0	585	77x82	72	2015	1100	
Kowa	Prominar	12	1.8	.2	182	43	CN	12/10	1/1	475	77x91	72	2016?	800	
Venus Optics	Laowa	12	1.8	.13	?	?	?	13/7	?	165		46	2018	?	
Samyang [R]	NCS CS	12	2.0	.20	83°	DX	C	12/10	2/3	255	72.5x58	67	?	285	
Samyang [R]	ED AS IF UMC	14	2.8	.28	?	FX	C	14/10		570	87x121	-	?	270	
Samyang [R]	ED AS UMC CS	16	2.0	.20		DX	C	13/11	2/1	610	83/114	77	?	370	[11]
Venus Optics	Laowa	17	1.8	150		FX	C	9/7		160		46	2018	?	
Voigtländer	Nokton	17.5	.95	.15	~72	43	?	13/9	1/0	540	63x80	58	2012	900	
Rokinon	ED AS UMC	20	1.8	.20		FX	C	13/12	2/3	520	83x113	77	?	480	

Brand	Designation	FL [mm]	MxAp	MFD [m]	MFW [mm]	Cov	Ck	El/Gr	A/S	Wgt [g]	DxL [mm]	Filter [mm]	Year	Price	Rem.
Zhongyi	Mitakon Super Macro	20	2.0	.020	3.8	FX	C?	6/4		230	62x60	-	2017	200	
Rokinon	Rokinon	21	1.4	.30		DX	C	8/7	3/1	285	64x66	58	?	360	
Rokinon	ED AS IF UMC	24	1.4	.25		FX	C	13/12	2/4	586	83x122	77	?	500	
Zhongyi	Mitakon Freewalker	24	1.7	.15		DX	N	9/8	0/1	346	61.5x55	49	2016	350	
Voigtländer	Nokton II	25	.95	.17	~70	43	CN	11/8	0/0	435	61x70	52	2010	800	
Zhongyi	Mitakon Speedmaster	25	.95	.25	125	43	N	11/9	0/7	230	60x45	43	2017	400	[18]
Kowa	Prominar	25	1.8	.25	125	43	CN	8/6	1/1	400	60x94	55	2016?	725	
7artisans	HD.MC	25	1.8			DX	C?	7/5		143		46	2017	70	
Rokinon	ED AS UMC CS	35	1.2	.38		DX	C	9/7	2/1	433	67.5x73	62	?	450	
Rokinon	AS UMC	35	1.4	.30		FX	C	12/10	1/2	730	83x136	77	?	450	
Meike	MK	35	1.7	.30	150	DX	-	6/5	?	?	?	49	2017	90	
Handevision	Ibelux	40	.85	.75	350	DX	C	10/8	/	1200	74x128	67	2013	2080	
Voigtländer	Nokton	42.5	.95	.23	~70	43	CN	11/8	1/1	571	64x75	58	2013	800	
Zhongyi	Mitakon Freewalker	42.5	1.2	.45	~140	DX	N	9/7	?	310	60x52.5	49	2017	400	
Samyang [R]	UMC CS	50	1.2	.50	?	DX	C	9/7	2/?	375	67.5x73	62	2016	?, 390	
Samyang [R]	AS IF UMC	85	1.4	1.0	?	FX	C	9/7	1/0	565	78x99.5	72	?	270, 270	
Samyang [R]	ED UMC Macro	100	2.8	.30	17?	FX	C	15/12	0/2	725	72.5x148	67	?	550, 500	
Samyang [R]	ED UMC	135	2.0	.80	?	FX	C	11/7	0/1	835	51x147	77	?	500, 500	
Tokina	Reflex MF Macro	300	6.3	.88	~36	43?	-	13/11?	?	298	55x66	55	2012	-	
Samyang [R]	Reflex ED UMC CS	300	6.3	.90	36	DX	-	9/9	0/1	318	64.5x73	58	?	270, 260	[11]

32 Auto Prime | 41 Auto Zoom | 38 Manual | 111 Total

Legend

- **FL** – the actual focal length in millimeters. The EFL (35-mm film equivalent) is twice this value.
- **MxAp** – *maximum aperture* (minimum F-number); for zooms two values, at shortest and longest FL are given, if different.
- **MFD** – *minimum focusing distance* in meters, sometimes possible only at some (unspecified) focal length. Measured from the sensor plane (sometimes from the lens front, but then it should be referred to as *working distance*).
- **MFW** – *minimum field width* (mm) or (for wider lenses) diagonal angle, degrees.
- **IS** shows the in-lens image stabilization (standard for Panasonic, rare option for Olympus).

Lens Designation

The full lens name usually contains the brand, focal length and aperture numbers, and then anything the manufacturer wants; sometimes meaningful and sometimes not.

Olympus uses a number of abbreviations, often referring to the same lens differently:

- All Olympus μFT lenses use the **MZD** prefix, which stands for *M.Zuiko Digital*.
- Suffix **PRO** denotes the Olympus premium lens line.
- Suffix or prefix **ED** indicates low-dispersion glass used for some lens elements.
- Suffix **EZ** seems to indicate that the zoom is operated electrically.
- Suffix **II** means an updated version, with minor changes (like a new multicoating). If otherwise identical, the older one is not listed separately.
- Suffix **R** possibly means something, but nobody outside of Olympus knows what. My guess is that it means the same as **II** (like *Revision*?).

- **D** – dust- and drip-proof.
- **El/Gr** – number of elements and element groups in the lens design.
- **A/S** – number of elements with aspherical surfaces and those using special (low dispersion, high diffraction, etc.) glass.
- **Wgt** – the weight, as per manufacturer's published specs.
- **DxL** – lens dimensions (diameter and length), rounded to the nearest millimeter.
- **Filter** – the front filter thread (mm).
- **Year** refers to when the lens became available on the market. In case of a minor update, this shows the release of the original.
- **Price** – as quoted by a selected merchant (usually B&H;) when last checked. Treat it as a rough guide.

For lenses no longer in stock, last reported prices may be shown in parentheses.

- **Cov** – frame coverage (manual lens table only):
 - **FX** – full frame, 24×36 mm
 - **DX** – APS-C, 16×24 mm
 - **43** Micro Four Thirds
- **Ck** – click-stopped aperture ring:
 - **C** – click-stops
 - **N** – no click-stops
 - **CN** – both (switchable)

- Additionally, the table uses * to mark lenses belonging to the *Premium* class (one notch below *Pro*), which is not reflected in the lens designation.

Full names of most **Panasonic/Leica** lenses would not fit into a line of text, therefore I'm using just the common sense.

- The **DG** prefix may mean something, but I have to find out what it is.
- Suffix **X** denotes Panasonic's premium lens line.

To make things worse, Panasonic product pages often contain naming errors or inconsistencies.

The **Voigtländer** brand is owned by a major Japanese lens maker Cosina.

[R] Almost all lenses by a Korean maker **Samyang** are also sold under another brand name, **Rokinon**. A few are also available as **Bower** products. I believe Samyang owns both these brands.

Remarks

As marked within square brackets in the table:

1. Cosmetic upgrade (or other minor changes, like new coating) of the previous version (usually not listed).
2. The Macro mode sets FL to 43 mm; MFD becomes 20 cm (field 36 mm wide, equivalent to 1:1 on "full frame"). 44 mm quoted by Olympus is wrong.
3. Version II works with the new Panasonic in-body IS.
4. There exists an older (noisier?) version of this lens.
5. Maximum magnification (equiv.) of 2:1; the field is 17 mm wide.
6. The MZD II was a complete redesign of the original MZD, then cosmetically evolved into II R.
7. The lens has Manual Focus Clutch: push/pull focus ring to switch between MF and AF.

8. Minimum working distance of 15 mm.
9. MFD is .25 m in Macro mode.
10. Fixed aperture.
11. Also sold under Bower brand.
12. A titanium version costs \$400 extra.
13. The quoted FoV is for DX sensor; for μFT it will be less.
14. Rectilinear.
15. Includes matching 1.4× teleconverter.
16. Circular FoV.
17. As of October, 2016 not listed at Amazon or B&H.;
18. Will not mount on Olympus E-PL6, E-PL5, E-PM2, E-PM1, and E-M5 (unclear about Mk.II).
19. As of 2018, the company is out of business.

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