










Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	MPHC-03M-150	0.3x	4/3"	147.0	0.015	0.030	10.1	F or TFL-II	No	Fixed	Adjustable	Image Circle Ø32.6 F-mount	 
Optart	MPHC-04M-150	0.4x	4/3"	147.0	0.015	0.030	10.1	F or TFL-II	No	Fixed	Adjustable		
Optart	MPHC-05M-150	0.5x	4/3"	147.0	0.015	0.030	10.1	F or TFL-II	No	Fixed	Adjustable		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	MP-05F-110-5M	0.5x	1"	110.0	0.025	0.020	10.0	C	Yes	Fixed	Fixed	5MP WD 110mm 1" Optical Format	 
Optart	MP-07F-110-5M	0.7x	1"	110.0	0.035	0.010	10.0	C	Yes	Fixed	Fixed		
Optart	MP-1F-110-5M	1.0x	1"	110.0	0.050	0.010	10.0	C	Yes	Fixed	Fixed		
Optart	MP-1.5F-110-5M	1.5x	1"	110.0	0.086	0.010	9.0	C	Yes	Fixed	Fixed		
Optart	MP-2F-110-5M	2.0x	1"	110.0	0.112	0.010	9.0	C	Yes	Fixed	Fixed		
Optart	MP-05M-110-5M	0.5x	1"	110.0	0.025	0.020	10.0	C	No	Fixed	Fixed		
Optart	MP-07M-110-5M	0.7x	1"	110.0	0.035	0.010	10.0	C	No	Fixed	Fixed		
Optart	MP-1M-110-5M	1.0x	1"	110.0	0.050	0.010	10.0	C	No	Fixed	Fixed		
Optart	MP-1.5M-110-5M	1.5x	1"	110.0	0.086	0.010	9.0	C	No	Fixed	Fixed		
Optart	MP-2M-110-5M	2.0x	1"	110.0	0.112	0.010	9.0	C	No	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	MP-05F-65	0.5x	1/1.8"	65.5	0.038	-0.260	6.7	C	Yes	Fixed	Fixed	1MP WD 65mm 1.1" Optical Format	 
Optart	MP-07F-65	0.7x	2/3"	65.5	0.053	-0.100	6.6	C	Yes	Fixed	Fixed		
Optart	MP-1F-65	1.0x	1.1"	65.5	0.063	-0.100	7.9	C	Yes	Fixed	Fixed		
Optart	MP-1F-65P	1.0x	1.1"	65.5	0.063	-0.100	7.9	C	Yes	Fixed	Fixed		
Optart	MP-1.5F-65	1.5x	1.1"	65.5	0.100	0.500	7.5	C	Yes	Fixed	Fixed		
Optart	MP-2F-65	2.0x	1.1"	65.5	0.100	0.400	10.0	C	Yes	Fixed	Fixed		
Optart	MP-4F-65	4.0x	1.1"	65.5	0.120	0.230	16.7	C	Yes	Fixed	Fixed		
Optart	MP-05M-65	0.5x	1/1.8"	65.5	0.038	-0.260	6.7	C	No	Fixed	Fixed		
Optart	MP-07M-65	0.7x	2/3"	65.5	0.053	-0.100	6.6	C	No	Fixed	Fixed		
Optart	MP-1M-65	1.0x	1.1"	65.5	0.063	-0.100	7.9	C	No	Fixed	Fixed		
Optart	MP-1.5M-65	1.5x	1.1"	65.5	0.100	0.500	7.5	C	No	Fixed	Fixed		
Optart	MP-2M-65	2.0x	1.1"	65.5	0.100	0.400	10.0	C	No	Fixed	Fixed		
Optart	MP-4M-65	4.0x	1.1"	65.5	0.120	0.230	16.7	C	No	Fixed	Fixed		

*P = Polarizing filter build in

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	MP-05F-110-2M	0.5x	2/3"	112.0	0.026	-0.020	10.0	C	Yes	Fixed	Fixed	2MP WD 110mm 2/3" Optical Format	 
Optart	MP-1F-110-2M	1.0x	2/3"	110.0	0.055	-0.020	9.1	C	Yes	Fixed	Fixed		
Optart	MP-1.5F-110-2M	1.5x	2/3"	110.0	0.063	0.010	12.0	C	Yes	Fixed	Fixed		
Optart	MP-2F-110-2M	2.0x	2/3"	110.0	0.110	0.010	9.1	C	Yes	Fixed	Fixed		
Optart	MP-05M-110-2M	0.5x	2/3"	112.0	0.026	-0.020	10.0	C	No	Fixed	Fixed		
Optart	MP-1M-110-2M	1.0x	2/3"	110.0	0.055	-0.020	9.1	C	No	Fixed	Fixed		
Optart	MP-1.5M-110-2M	1.5x	2/3"	110.0	0.063	0.010	12.0	C	No	Fixed	Fixed		
Optart	MP-2M-110-2M	2.0x	2/3"	110.0	0.110	0.010	9.1	C	No	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	HR-1EL-40	1.0x	1/2"	40.6	0.039	0.050	12.8	C	Yes	Fixed	Fixed	High Resolution 2/3" Optical Format	 
Optart	HR-2EL-40	2.0x	1/2"	40.4	0.060	0.210	16.7	C	Yes	Fixed	Fixed		
Optart	HR-4EL-40	4.0x	1/2"	40.0	0.075	0.370	26.7	C	Yes	Fixed	Fixed		
Optart	HR-08F-65	0.8x	1/2"	65.2	0.036	0.070	11.1	C	Yes	Fixed	Fixed		
Optart	HR-1F-65	1.0x	2/3"	65.0	0.045	0.010	11.1	C	Yes	Fixed	Fixed		
Optart	HR-2F-65	2.0x	1/2"	65.0	0.059	0.320	16.9	C	Yes	Fixed	Fixed		
Optart	HR-4F-65	4.0x	1/2"	65.0	0.078	0.360	25.6	C	Yes	Fixed	Fixed		
Optart	HR-6F-65	6.0x	1/2"	65.0	0.082	0.230	36.4	C	Yes	Fixed	Fixed		
Optart	HR-8F-65	8.0x	1/2"	64.7	0.084	0.130	47.6	C	Yes	Fixed	Fixed		
Optart	HR-04F-78	0.47x	1/2"	78.4	0.028	0.000	8.4	C	Yes	Fixed	Fixed		
Optart	HR-05L2-71	0.5x	1/2"	71.0	0.032	0.020	7.9	C	Yes	Fixed	Fixed		
Optart	HR-07F-71	0.7x	1/2"	71.0	0.032	0.000	11.3	C	Yes	Fixed	Fixed		
Optart	HR-1F-71	1.0x	2/3"	71.0	0.032	0.000	15.6	C	Yes	Fixed	Fixed		
Optart	HR-2F-71	2.0x	2/3"	71.0	0.056	0.210	18.5	C	Yes	Fixed	Fixed		
Optart	HR-4F-71	4.0x	2/3"	71.0	0.072	0.240	29.0	C	Yes	Fixed	Fixed		
Optart	HR-6F-71	6.0x	2/3"	71.0	0.073	0.270	41.1	C	Yes	Fixed	Fixed		
Optart	HR-05F-110	0.5x	1/2"	110.0	0.027	0.010	9.1	C	Yes	Fixed	Fixed		
Optart	HR-08F-110	0.8x	2/3"	110.0	0.036	0.050	11.1	C	Yes	Fixed	Fixed		
Optart	HR-1F-110	1.0x	2/3"	110.0	0.030	0.040	6.7	C	Yes	Fixed	Fixed		
Optart	HR-2F-110	2.0x	2/3"	110.0	0.042	0.780	23.8	C	Yes	Fixed	Fixed		
Optart	HR-4F-110	4.0x	2/3"	110.0	0.051	0.540	39.2	C	Yes	Fixed	Fixed		
Optart	HR-6F-110	6.0x	2/3"	110.0	0.054	0.250	55.6	C	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	TV-1EL	1.0x	1/2"	40.6	0.025	0.050	20.0	C	Yes	Fixed	Fixed		
Optart	TV-2EL	2.0x	1/2"	40.4	0.050	0.300	20.0	C	Yes	Fixed	Fixed		
Optart	TV-4EL	4.0x	1/2"	40.0	0.070	0.600	28.5	C	Yes	Fixed	Fixed		
Optart	TV-08F-65	0.8x	1/2"	65.2	0.025	0.000	15.1	C	Yes	Fixed	Fixed		
Optart	TV-1F-65	1.0x	2/3"	65.0	0.025	0.000	20.0	C	Yes	Fixed	Fixed		
Optart	TV-2F-65	2.0x	1/2"	65.0	0.056	0.360	17.9	C	Yes	Fixed	Fixed		

Optart	TV-4F-65	4.0x	1/2"	65.0	0.072	0.420	27.8	C	Yes	Fixed	Fixed
Optart	TV-6F-65	6.0x	1/2"	65.0	0.072	0.260	41.7	C	Yes	Fixed	Fixed
Optart	TV-8F-65	8.0x	1/2"	64.7	0.072	0.150	55.6	C	Yes	Fixed	Fixed
Optart	TV-04F	0.47x	1/2"	78.4	0.025	0.020	10.0	C	Yes	Fixed	Fixed
Optart	TV-05L2	0.5x	1/2"	71.0	0.025	0.020	10.0	C	Yes	Fixed	Fixed
Optart	TV-05F	0.55x	1/3"	71.0	0.025	-0.040	11.0	C	Yes	Fixed	Fixed
Optart	TV-07F	0.7x	1/2"	71.0	0.025	0.000	14.4	C	Yes	Fixed	Fixed
Optart	TV-1F	1.0x	2/3"	71.0	0.025	0.000	20.0	C	Yes	Fixed	Fixed
Optart	TV-2F	2.0x	2/3"	71.0	0.038	0.300	26.3	C	Yes	Fixed	Fixed
Optart	TV-4F	4.0x	2/3"	71.0	0.063	0.600	32.0	C	Yes	Fixed	Fixed
Optart	TV-6F	6.0x	2/3"	71.0	0.063	0.800	48.0	C	Yes	Fixed	Fixed
Optart	TV-05F-110	0.5x	1/2"	110.0	0.022	0.020	11.4	C	Yes	Fixed	Fixed
Optart	TV-1F-110	1.0x	2/3"	110.0	0.025	0.030	20.0	C	Yes	Fixed	Fixed
Optart	TV-2F-110	2.0x	2/3"	110.0	0.040	0.500	25.0	C	Yes	Fixed	Fixed
Optart	TV-4F-110	4.0x	2/3"	110.0	0.050	0.340	40.0	C	Yes	Fixed	Fixed
Optart	TV-6F-110	6.0x	2/3"	110.0	0.050	0.160	60.0	C	Yes	Fixed	Fixed

Compact
2/3" Optical Format



OPTART

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	TV-05F-150	0.5x	1/2"	156.0	0.150	0.160	16.7	C	Yes	Fixed	Fixed	LONG WD 1/1.8" Optical Format	 OPTART
Optart	TV-05F-150P	0.5x	1/2"	154.0	0.150	0.160	16.7	C	Yes	Fixed	Fixed		
Optart	TV-1F-150	1.0x	1/2"	156.0	0.030	0.150	16.7	C	Yes	Fixed	Fixed		
Optart	TV-2F-150	2.0x	1/2"	156.0	0.040	0.070	25.0	C	Yes	Fixed	Fixed		
Optart	TV-3F-150	3.0x	1/2"	156.0	0.040	0.050	37.5	C	Yes	Fixed	Fixed		
Optart	TV-1F-220	1.0x	1/2"	218.2	0.025	0.100	20.0	C	Yes	Fixed	Fixed		
Optart	TV-2F-220	2.0x	1/2"	218.2	0.030	0.100	33.0	C	Yes	Fixed	Fixed		
Optart	TV-3F-220	3.0x	1/2"	218.2	0.035	0.100	43.0	C	Yes	Fixed	Fixed		
Optart	TV-1F-290	1.0x	1/2"	290.7	0.025	0.100	20.0	C	Yes	Fixed	Fixed		
Optart	TV-2F-290	2.0x	1/2"	290.7	0.030	0.100	33.0	C	Yes	Fixed	Fixed		
Optart	TV-3F-290	3.0x	1/2"	290.7	0.035	0.100	43.0	C	Yes	Fixed	Fixed		
Optart	TV-05F-400	0.5x	1/2"	400.0	0.018	0.350	13.9	C	Yes	Fixed	Fixed		
Optart	TV-1F-400	1.0x	1/1.8"	400.0	0.020	0.300	25.0	C	Yes	Fixed	Fixed		
Optart	TV-2F-400	2.0x	1/1.8"	400.0	0.030	0.070	33.3	C	Yes	Fixed	Fixed		
Optart	TV-05F-800	0.5x	1/1.8"	800.0	0.015	0.040	16.7	C	Yes	Fixed	Fixed		
Optart	TV-1F-800	1.0x	1/1.8"	800.0	0.025	0.090	20.0	C	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Optart	TCL0300-FU	0.3x	1.1"	167.0	0.013	0.012	12.0	C	Yes	Fixed	Fixed	Bi-Telecentric 1.2" Optical Format	 OPTART
Optart	TCL0450-FU	0.45x	1.1"	108.2	0.019	0.008	12.0	C	Yes	Fixed	Fixed		
Optart	TCL0600-FU	0.6x	1.1"	78.5	0.025	-0.005	12.0	C	Yes	Fixed	Fixed		
Optart	TCL0750-FU	0.75x	1.1"	60.7	0.031	-0.028	12.0	C	Yes	Fixed	Fixed		
Optart	TCL0200-F	0.2x	2/3"	167.0	0.011	0.010	8.0	C	Yes	Fixed	Fixed		
Optart	TCL0300-F	0.3x	2/3"	108.2	0.017	0.010	8.0	C	Yes	Fixed	Fixed		
Optart	TCL0400-F	0.4x	2/3"	78.5	0.022	-0.020	8.0	C	Yes	Fixed	Fixed		
Optart	TCL0500-F	0.5x	2/3"	60.7	0.028	-0.030	8.0	C	Yes	Fixed	Fixed		
Optart	TCL0145-F	0.145x	1/2"	167.0	0.011	0.022	6.0	C	Yes	Fixed	Fixed		
Optart	TCL0218-F	0.218x	1/2"	108.2	0.017	0.018	6.0	C	Yes	Fixed	Fixed		
Optart	TCL0291-F	0.291x	1/2"	78.5	0.022	-0.005	6.0	C	Yes	Fixed	Fixed		
Optart	TCL0364-F	0.364x	1/2"	60.7	0.028	-0.018	6.0	C	Yes	Fixed	Fixed		
Optart	TCL01150-F	0.115x	1/3"	167.0	0.010	0.041	4.6	C	Yes	Fixed	Fixed		
Optart	TCL01725-F	0.173x	1/3"	108.2	0.014	0.031	4.6	C	Yes	Fixed	Fixed		
Optart	TCL02300-F	0.23x	1/3"	78.5	0.019	0.007	4.6	C	Yes	Fixed	Fixed		
Optart	TCL02875-F	0.288x	1/3"	60.7	0.024	-0.006	4.6	C	Yes	Fixed	Fixed		
Optart	TCL0400-F	0.4x	1/2"	167.0	0.013	0.012	16.0	F	Yes	Fixed	Fixed		
Optart	TCL0600-F	0.6x	1/2"	108.0	0.079	0.008	16.0	F	Yes	Fixed	Fixed		
Optart	TCL0800-F	0.8x	1/2"	78.5	0.025	-0.015	16.0	F	Yes	Fixed	Fixed		
Optart	TCL1000-F	1x	1/2"	60.7	0.031	-0.028	16.0	F	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Computar	TEC-V0565MPW	0.5x	1"	65.2	0.027	-0.014	9.0	C	No	Fixed	Fixed	SMP WD 65mm 1" Optical Format	 computar
Computar	TEC-V1065MPW	1.0x	1"	65.2	0.055	-0.023	9.0	C	No	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Computar	TEC-V05110MPW	0.5x	1"	110.2	0.027	0.012	9.0	C	No	Fixed	Fixed	SMP WD 110mm 1" Optical Format	 computar
Computar	TEC-V10110MPW	1.0x	1"	110.2	0.055	0.015	9.0	C	No	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Computar	TEC-M0565MPC	0.5x	2/3"	65.5	0.028	-0.012	9.0	C	Yes	Fixed	Fixed	2MP WD 65mm	 computar
Computar	TEC-M0565MPC	0.5x	2/3"	65.5	0.028	-0.012	9.0	C	No	Fixed	Fixed		
Computar	TEC-M0865MPC	0.8x	2/3"	66.0	0.042	0.008	9.4	C	Yes	Fixed	Fixed		
Computar	TEC-M0865MPC	0.8x	2/3"	66.0	0.042	0.008	9.4	C	No	Fixed	Fixed		

Computar	TEC-M1065MPC	1.0x	2/3"	65.5	0.050	-0.022	9.8	C	Yes	Fixed	Fixed
Computar	TEC-M1065MP	1.0x	2/3"	65.5	0.050	-0.022	9.8	C	No	Fixed	Fixed
Computar	TEC-M2065MPC	2.0x	2/3"	65.4	0.260	0.020	12.8	C	Yes	Fixed	Fixed
Computar	TEC-M2065MP	2.0x	2/3"	65.4	0.260	0.020	12.8	C	No	Fixed	Fixed

2/3" Optical Format



computar

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Computar	TEC-M03110MPC	0.3x	2/3"	111.0	0.023	0.026	6.5	C	Yes	Fixed	Fixed	2MP WD 110mm 2/3" Optical Format	 computar
Computar	TEC-M03110MP	0.3x	2/3"	111.0	0.023	0.026	6.5	C	No	Fixed	Fixed		
Computar	TEC-M05110MPC	0.5x	2/3"	111.8	0.026	-0.009	9.4	C	Yes	Fixed	Fixed		
Computar	TEC-M05110MP	0.5x	2/3"	111.8	0.026	-0.009	9.4	C	No	Fixed	Fixed		
Computar	TEC-M08110MPC	0.8x	2/3"	111.0	0.038	-0.027	10.2	C	Yes	Fixed	Fixed		
Computar	TEC-M08110MP	0.8x	2/3"	111.0	0.038	-0.027	10.2	C	No	Fixed	Fixed		
Computar	TEC-M10110MPC	1.0x	2/3"	111.5	0.049	-0.003	10.1	C	Yes	Fixed	Fixed		
Computar	TEC-M10110MP	1.0x	2/3"	111.5	0.049	-0.003	10.1	C	No	Fixed	Fixed		
Computar	TEC-M15110MPC	1.5x	2/3"	110.7	0.064	0.031	11.5	C	Yes	Fixed	Fixed		
Computar	TEC-M15110MP	1.5x	2/3"	110.7	0.064	0.031	11.5	C	No	Fixed	Fixed		
Computar	TEC-M20110MPC	2.0x	2/3"	110.9	0.075	-0.019	13.0	C	Yes	Fixed	Fixed		
Computar	TEC-M20110MP	2.0x	2/3"	110.9	0.075	-0.019	13.0	C	No	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Tokina	KCM-1D-65C	1x	1/2"	65.0	0.035	0.110	14.2	C	Yes	Fixed	Fixed	WD 65mm	 Tokina
Tokina	KCM-2D-65C	2x	2/3"	64.8	0.066	-0.030	15.0	C	Yes	Fixed	Fixed		
Tokina	KCM-4D-65C	4x	2/3"	64.8	0.073	0.060	26.8	C	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Tokina	KCM-1D-110C	1x	1/2"	110.0	0.025	0.060	20.0	C	Yes	Fixed	Fixed	WD 65mm	 Tokina
Tokina	KCM-2D-110C	2x	2/3"	110.0	0.040	-0.030	24.6	C	Yes	Fixed	Fixed		
Tokina	KCM-4D-110C	4x	2/3"	110.0	0.048	0.060	41.5	C	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Tokina	KCM-05D-65SR	0.5x	2/3"	65.0	0.440	-	6.3	C	Yes	Fixed	Fixed	WD 65mm	 Tokina
Tokina	KCM-1D-65SR	1x	2/3"	75.0	0.055	-	9.4	C	Yes	Fixed	Fixed		
Tokina	KCM-2D-65SR	2x	2/3"	65.0	0.110	-	9.1	C	Yes	Fixed	Fixed		

Manufacturer	Model	Mag.	Optical Format	WD (mm)	NA	Distortion (%)	Effective F No.	Mount	Coaxial Light	Fixed / Varifocal	Iris	Remarks	Remarks
Tokina	KCM-1D-110SR	1x	2/3"	110.0	0.055	-	9.3	C	Yes	Fixed	Fixed	WD 110mm	 Tokina
Tokina	KCM-2D-110SR	2x	2/3"	110.0	0.110	-	9.1	C	Yes	Fixed	Fixed		