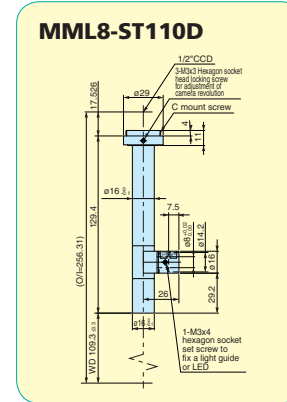
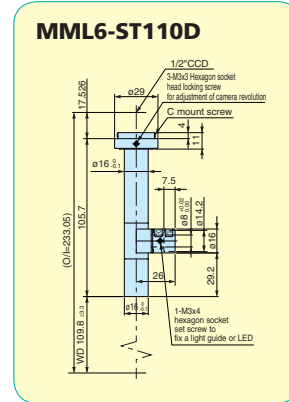
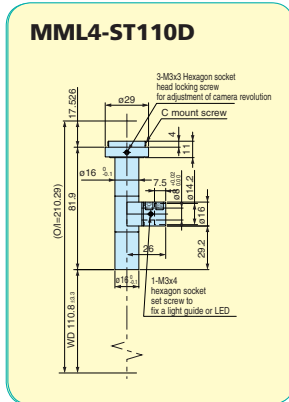
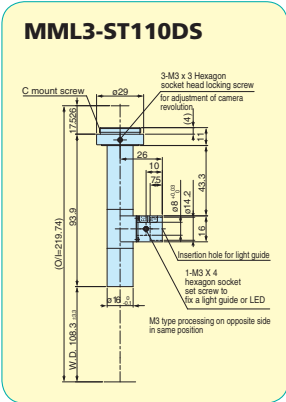
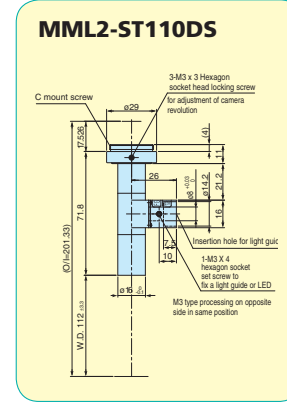
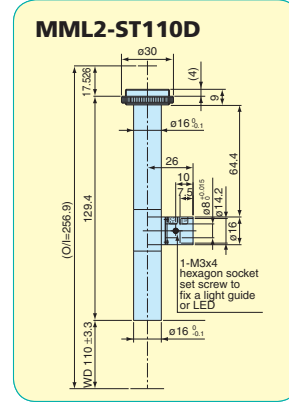
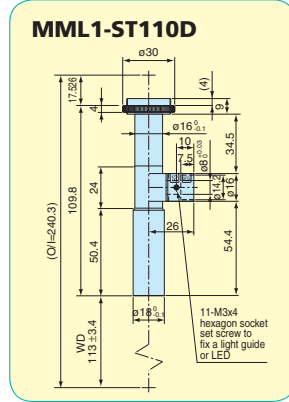
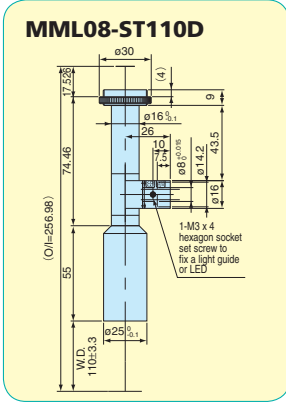


# WD110mm

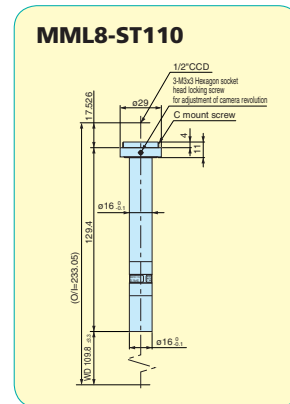
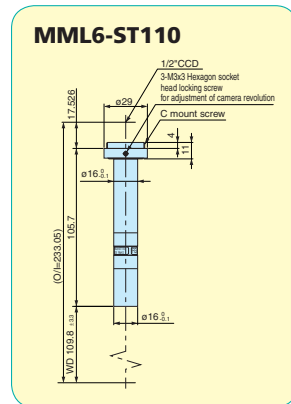
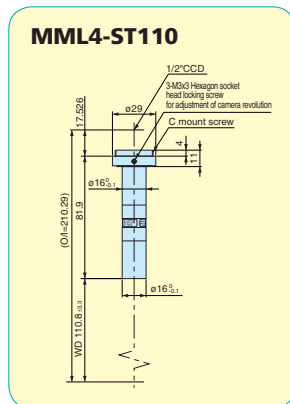
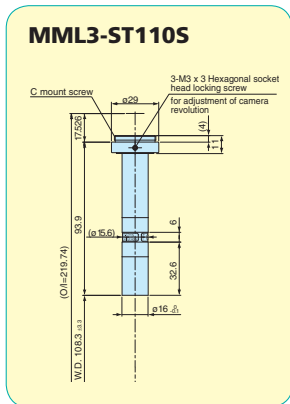
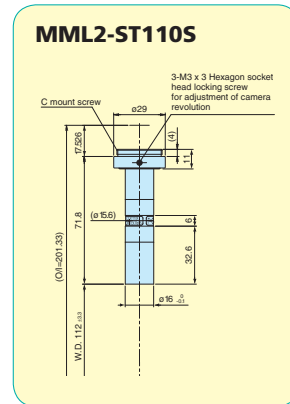
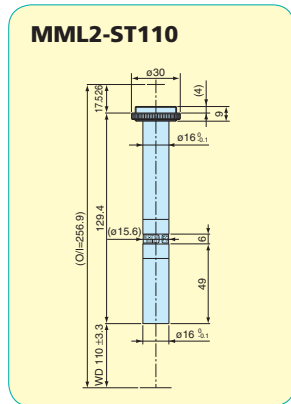
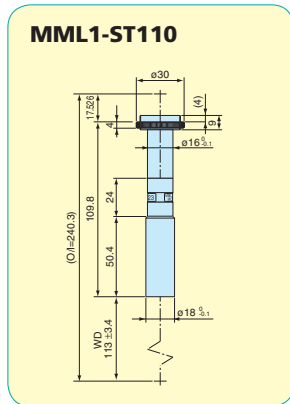
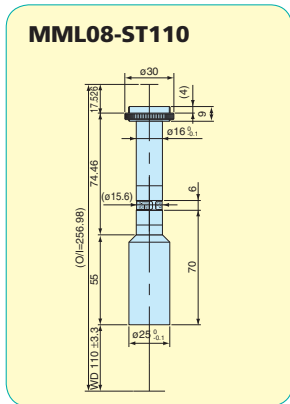


MML-ST Series

MML-ST Series



Product name	Magnification	WD	Resolution	Depth of field	NA	Effective Fno	TV distortion	Largest compatible CCD	Weight	Mount	Commodity code
MML08-ST110D	×0.8	110.0mm	13.5μm	2.00mm	0.024	16.1	0.002%	1/2"	85g	C-mount	A-3002
MML1-ST110D	×1	113.0mm	14μm	1.68mm	0.024	20.9	0.05%	1/2"	58g	C-mount	A-3003
MML2-ST110D	×2	110.0mm	11μm	0.66mm	0.03	33.2	0.006%	1/2"	55g	C-mount	A-3004
MML2-ST110DS	×2	112.0mm	11.2μm	0.66mm	0.03	33.2	0.008%	2/3"	39g	C-mount	A-3109
MML3-ST110DS	×3	108.3mm	11.2μm	0.44mm	0.03	49.7	0.008%	2/3"	43g	C-mount	A-3110
MML4-ST110D	×4	110.8mm	7μm	0.22mm	0.045	44.4	0.021%	1/2"	43g	C-mount	A-3005
MML6-ST110D	×6	109.8mm	7μm	0.17mm	0.045	66.4	-0.005%	1/2"	48g	C-mount	A-3006
MML8-ST110D	×8	109.3mm	7μm	0.17mm	0.045	88.4	-0.007%	1/2"	54g	C-mount	A-3007



Product name	Magnification	WD	Resolution	Depth of field	NA	Effective Fno	TV distortion	Largest compatible CCD	Weight	Mount	Commodity code
<b>MML08-ST110</b>	×0.8	110.0mm	13.5μm	2.00mm	0.024	16.1	0.002%	1/2"	78.5g	C-mount	A-3019
<b>MML1-ST110</b>	×1	113.0mm	14μm	1.68mm	0.024	20.9	0.05%	1/2"	50g	C-mount	A-3020
<b>MML2-ST110</b>	×2	110.0mm	11μm	0.66mm	0.03	33.2	0.006%	1/2"	50g	C-mount	A-3021
<b>MML2-ST110S</b>	×2	112.0mm	11.2μm	0.66mm	0.03	33.2	0.008%	2/3"	34g	C-mount	A-3111
<b>MML3-ST110S</b>	×3	108.3mm	11.2μm	0.44mm	0.03	49.7	0.008%	2/3"	37g	C-mount	A-3112
<b>MML4-ST110</b>	×4	110.8mm	7μm	0.22mm	0.045	44.4	0.021%	1/2"	38g	C-mount	A-3064
<b>MML6-ST110</b>	×6	109.8mm	7μm	0.17mm	0.045	66.4	-0.005%	1/2"	43g	C-mount	A-3065
<b>MML8-ST110</b>	×8	109.3mm	7μm	0.17mm	0.045	88.4	-0.007%	1/2"	49g	C-mount	A-3066

### Optical Specifications for Machine Types Recommended for Combination with the Rear Converter

Product Name	Converter	Magnification	Resolution	Depth of field	Effective Fno
<b>MML08-ST110D/110</b>	<b>SOD-1.5X</b>	1.2 X	13.5μm	1.34mm	24.2
	<b>SOD-2X</b>	1.6 X	13.5μm	1.00mm	32.2
<b>MML1-ST110D/110</b>	<b>SOD-1.5X</b>	1.5 X	14μm	1.11mm	31.4
	<b>SOD-2X</b>	2.0 X	14μm	0.84mm	41.8
<b>MML2-ST110D/110</b>	<b>SOD-1.5X</b>	3 X	11μm	0.44mm	49.8

\*Field depth values were calculated assuming a resolution equivalent to 1/2" CCD horizontal 240 TV display resolution (permitted circle of confusion diameter 40 μm).

\*Resolution values are for theoretical resolution at a wavelength of 550 nm.

Caution) If machines other than those recommended for combination are used, foreign objects and damage of the rear converter may be contained in the images. For this reason, do not use any machines other than the recommended types.