



MMD-1000

| Industrial Microscopes

☰ Details Info

Features:

MMD-1000 Monocular microscope is a special design for digital camera, which designed to shoot with CMOS or CCD video.

It can be connected with photographic system and digital camera to transmit operating plus pictures to TV, computer and monitor to give a good focus, high resolution imagine.

The series microscopes have a character of beautiful appearance, and easy operating. It can be used extensively for semiconductor, photoelectric, images survey, medicine and biology, educate department and scientific research domain.

Specification		MMD-1000
Microscope Body and CCD Technical Data		
1	Zoom ratio objective: 1:6	•
2	Objective zoom range: 0.7X~4.5X	•
3	Working distance: 95mm	•

4	Focus range: 60mm	•
5	C-CCD adapter from pickup device: 17.53mm	•
6	Use 1/3", 1/2", 2/3" CCD camera	•
7	Use 1/3" CCD camera, visual field range: 8.57~1.33mm	•
8	<p>Total magnification = Objective magnification * Digital magnification</p> <p>Diameter of visual field = Diagonal size of CCD camera pickup device/Objective magnification</p> <p>Diagonal size of CCD camera pickup device: 1/3 ": 6mm, 1/2 ": 8mm, 2/3 ": 11 mm</p> <p>14" monitor digital magnification with 1/3"CCD: 1/3"CCD 14×25.4 / 6 = 59.3X</p> <p>Total magnification: (0.7X~4.5X)×59.3=41.5X~266.9X</p>	•
The accessories are as the following table		
Objective	1X	•
	0.25X, 0.5X, 0.75X, 1.5X, 2X	○
CCD Adatper	1X	•
	0.5X, 0.67X, 2X, 5X	○
Optional	Zoom ratio: 1:7	○
	Zoom ratio: 1:8	○
	Zoom ratio: 1:9	○

MMD-1000 Visual field as the following:

Specification:

objective	Working distance	CCD	0.5x adapter	0.67x adapter	1x adapter	2x adapter
0.25X			0.09X~0.56X	0.12X~0.75X	0.18~1.13X	0.35X~2.25X
	302	1/3"	68.57~10.66	51.17~7.96	34.28~5.33	17.14~2.66
	302	1/2"			45.71~7.11	22.85~3.55
	302	2/3"			62.85~9.77	31.42~4.88

0.5X			0.18X~1.12X	0.23X~1.50X	0.35X~2.25X	0.7X~4.5X
	176	1/3"	34.28~5.33	25.58~3.98	17.14~2.66	8.57~1.33
	176	1/2"			22.85~3.55	11.42~1.77
	176	2/3"			31.42~4.881	15.71~2.44
0.75X			0.26X~1.69X	0.35X~2.26X	0.53X~3.38X	1.05X~6.75X
	117	1/3"	22.88~3.55	17.06~2.65	11.43~1.78	5.71~0.89
	117	1/2"			15.24~2.37	7.61~1.18
	117	2/3"			20.95~3.26	10.48~1.63
None			0.35X~2.25X	0.47X~3.00X	0.7X~4.5X	1.40X~9.00X
	96	1/3"	17.14~2.66	12.79~1.99	8.57~1.33	4.28~0.66
	96	1/2"			11.42~1.77	5.71~0.89
	96	2/3"			15.71~2.44	7.86~1.22
1.5X			0.56X~3.38X	0.82X~4.52X	1.05X~6.75X	2.1X~13.5X
	50	1/3"	10.67~1.78	7.31~1.33	5.71~0.86	2.86~0.89
	50	1/2"			7.61~1.18	3.81~1.19
	50	2/3"			10.48~1.63	5.24~1.63
2X			0.70X~4.50X	0.94X~6.03X	1.40X~9.00X	2.80X~18.00X
	35	1/3"	8.57~1.33	6.40~0.99	4.28~0.66	2.14~0.33
	35	1/2"			5.71~0.89	2.86~0.44
	35	2/3"			7.86~1.22	3.93~0.61

1X is standard specification, others are optional.



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