

M-ADV **Type B** series

Industrial Videoscope



High definition, portable, flexible, versatile --- M-ADV Series, all-round upgrade! It adopts the latest image processing technology and high resolution 640*480 IPS screen to ensure high definition image, even minor defects can be inspected.

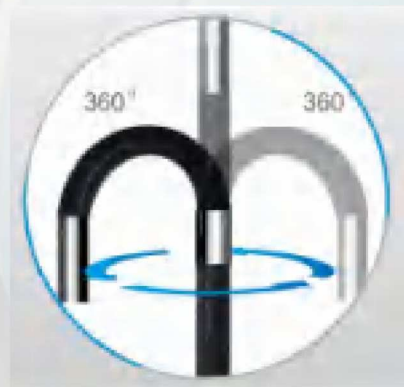
M-ADV Series(Type B) has options of 4mm&6mm forward view, 6mm dual camera. Ultra clear image on better screen can satisfy most applications and offers the user the best experience of doing visual inspection.



Technical Advantages:

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☆Mechanical rotation for 360° and bend for 160°--- convenient, accurate and automatic reset.



☆LED illumination, brightness is up to 20000lux, offer sufficient light for camera module.



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☆Tungsten-braided layers can make the insertion tube more wear-resistant.



Camera

Bending section

Insertion tube

Adopting four tungsten-braided layers: wear-resistant, corrosion-resistant and IP67 rate

☆HDMI interface, more widely used for real time video output.



Other functions:

- ☆Camera options include 4mm&6.0mm forward view and 6.0mm dual camera, satisfying different application demands;
- ☆360° mechanical arbitrary articulation, 180° bending angle —convenient, accurate and automatic locking of direction.
- ☆Image can flip, freeze, zoom for 4 times, for the convenience of analysis to minor defects.
- ☆Base unit can accept all digital lossless video data, which can gather and save complete camera data.
- ☆Brand new software with intuitive UI; software can be easily upgraded by SD card.



system	Dimension	315*103*173mm		
	Weight	0.75KG		
	Display screen	High brightness IPS, 3.5 inch LCD		
	Display resolution	640*480		
	Image mirror/Flip adjustment	180° mirror and flip		
	Zoom	4x digital zooming		
	Image effects	color, negative		
	Joystick control	Mechanical rocker 360° articulation		
	Automatic lock	Automatic locking		
	Functions	Photo, video, brightness adjustment, menu, picture zoom in/out, picture freeze, picture flip		
	Audio	Integrated 3.5mm headset		
	RAM	32G		
	I/O Port	SD card interface, headset interface, HDMI interface, charging, Micro USB interface		
	Battery	18650 battery*1(replaceable)		
	Standby time	≥4h		
	Operation method	Hand-held portable		
	Brightness control	6-level brightness adjustment		
Front video probe	Probe size	4mm(forward view)	6mm (forward view)	6mm (dual camera)
	Length	1-3 (m)		1-8 (m)
	Illuminance	≥6000lux	≥20000lux	F: 5000 /S: 10000
	Insert tube material	Tungsten-braided		
	Lens steering	360° mechanical arbitrary direction		
	Bending angle	≤1 (m), 170±10°;		
		2 (m)≥length> 1 (m),160±10°		
		3 (m)≥length> 2 (m),120±10°		
		8(m)≥length> 3 (m),90±10°		
	Effective Pixels	450,000		
	DOF(mm)	For 4mm&6mm,7-80mm; For dual camera:F:10-100mm		
		/S: 5-50mm		
	AOV	For 4mm&6mm: 120°; For dual camera F: 90°		
		/S: 80°		
	Pipe type	Tungsten-braided insertion tube		
Software	Operation system	Real time multitasking operation system		
	User interface	Drop-down operation menu		
	File management	Photo/video playback, deletion, formatting		
	Image control	Flip, zoom in/out, screen frame		
	Image format	JPEG/JPG (record date and time)		
	Video format	AVI (record date and time)		
	Language	English/Chinese/Japanese/German/Spanish/French/Korean		
Operating environment	Base unit working temperature	-10~50°		
	Probe working temperature	-20~50°		
	Relative humidity	Highest 90%, no condensation		
	Waterproof	Base unit IP54/video probe IP67		

Models for M-series:

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Model No	Part No	Description										
		Diameter [mm]	Insertion Tube Length [m]	Camera				Optic		Light		Probe Bending
				Location	Head Type	CMOS Sensor	Resolution	Depth of Field	Angle of View	Type	[Lux]	
M410FM-WLL	11241010	3.9	1	Front	PG	A	720X576	7-80mm	110°	LED	6,000	170±10°
M415FM-WLL	11241015		1.5									170±10°
M420FM-WLL	11241020		2									150±10°
M430FM-WLL	11241030		3									120±10°
Model No	Part No	Description										
		Diameter [mm]	Insertion Tube Length [m]	Camera				Optic		Light		Probe Bending
				Location	Head Type	CMOS Sensor	Resolution	Depth of Field	Angle of View	Type	[mW]	
M610FM-WLL	11261010	6	1	Front	PB	A	720X576	7-80mm	120°	LED	20,000	170±10°
M615FM-WLL	11261015		1.5									170±10°
M620FM-WLL	11261020		2									150±10°
M630FM-WLL	11261030		3									120±10°
M650FM-WLL	11261050		5									100±10°
M680FM-WLL	11261080		8									100±10°
M600FM-WLL	11261000		10									80±10°
Model No	Part No	Description										
		Diameter [mm]	Insertion Tube Length [m]	Camera				Optic		Light		Probe Bending
				Location	Head Type	CMOS Sensor	Resolution	Depth of Field	Angle of View	Type	[Lux]	
M610DM-WLL	11263010	6	1	Front& Side	PD	A/A	720X576	F:7-80mm /S: 3-30mm	F: 100° /S: 90°	LED	F: 5000 /S: 10000	170±10°
M615DM-WLL	11263015		1.5									170±10°
M620DM-WLL	11263020		2									150±10°
M630DM-WLL	11263030		3									120±10°
M650DM-WLL	11263050		5									100±10°
M680DM-WLL	11263080		8									100±10°
M600DM-WLL	11263000		10									80±10°

