

# M-ADV Series

Industrial Videoscope



High definition, portable, flexible, versatile --- M-ADV Series, all-round upgrade! It adopts the latest HD image processing technology and high resolution 640\*480 screen to ensure high definition image, even minor defects can be inspected. In the meantime, it has 5 levels of strong light inhibition, which can ensure the clear view while inspecting the reflective objects (such as metal surface); and it also possesses 2 levels of weak light compensation, which can help to ensure enough light source so that it can reach further observation distance and clearer image.

### Technical Advantages:

1. Adopting brand-new HD image processing technology, ultra clear image, minor defects are all under your view.



**2.8mm probe /HD signal effect**



**2.8mm probe/analog signal effect**

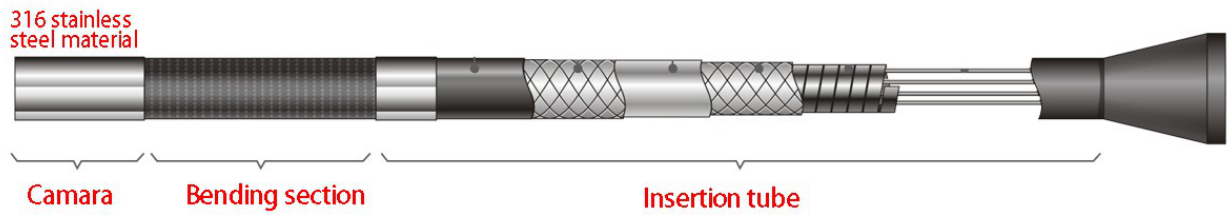
2. LED illumination way, brightness is up to 10000lux;



3. Upgraded to 640\*480 high definition IPS screen, wider viewing angle, clearer display, more outstanding color rendition, real-time showing still image and dynamic videos of the inspected objects.

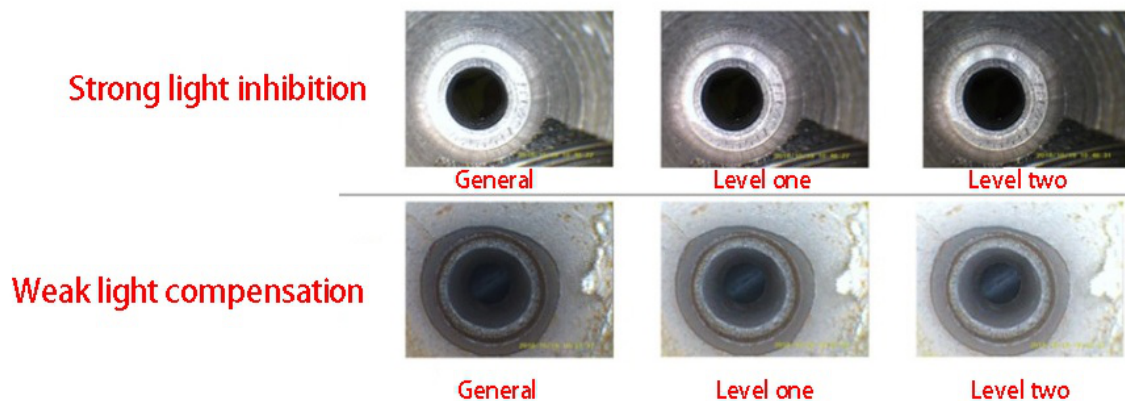


4. The camera module head adopts 316 stainless material, which has better corrosion-resistant feature than 304 stainless on the market. In the meantime, four tungsten-braided layers can help it to be more wear-resistant and IP67 rate.



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

5. Unique strong light inhibition and weak light compensation; (strong light inhibition can ensure the clear view while inspecting the reflective objects(such as metal surface); weak light compensation can help to ensure enough light source so that it can reach further observation distance and clearer image.)



#### Other functions:

☆Camera options including: 2.8mm, 3.9mm forward view, satisfy different application demands;

☆360° mechanical arbitrary articulation, 180° bending angle —— convenient, accurate and

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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.

☆Adopt 2pcs international standard rechargeable 18650 Li-batteries, the standby time can reach 6 hours.

### Specification:

M-ADV Series Portable Industrial Videoscope		
system	Dimension	315*103*173mm
	Weight	0.6KG
	Display screen	High brightness IPS, 3.5 inch LCD
	Display resolution	640*480
	Strong light inhibition	2 levels of strong light inhibition (for viewing reflective surface)
	Weak light compensation	2 levels of weak light compensation
	Image mirror/Flip adjustment	180° mirror and flip
	Zoom	4x digital zooming
	Image effects	Normal, black and white, negative
	White balance	Automatic white balance, manual white balance

	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	16G	
	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	4-level brightness adjustment	
Front video probe	Probe size	2.8mm direct view	4mm direct view (short section)
	Length	0~2 (m)	0~3 (m)
	Illuminance	≥8000lux	≥10000lux
	Insert tube material	Tungsten wire wear tube	
	Lens steering	360° mechanical arbitrary direction	
	Bending angle	≤1 (m), 150±10°; 2 (m)≥length>1 (m),140±10°	
	Effective Pixels	450,000	
	DOF(mm)	3~50mm	
	AOV	120°	
	Pipe type	Wear 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)	

