

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 2 levels of strong light inhibition, which can ensure the clear view while inspecting the reflective objects(such as metal surface); and it also possess 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.

Besides, this product has options of 2.8mm and 3.9mm forward view camera module. One base unit, different insertion tubes, you can gain the best match with the best price to satisfy multiple applications.

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

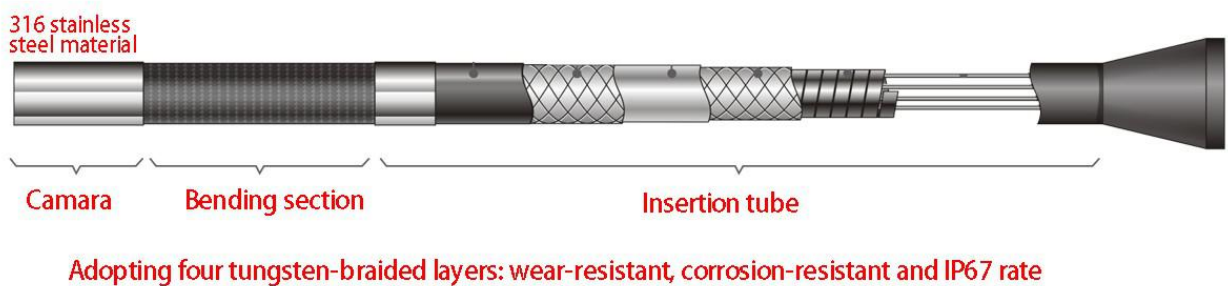
- 2. LED illumination way, brightness is up to 10000lux;



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.



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 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)
	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

Model no.:

Model	Specification																		
	Dimensions			Camera						Optic			Illumination					Image Brightness	Probe Bending
Diameter [mm]	Tube Length [m]	Camera Head[mm]	Direction of View(DOV)[°]	Imager Type	CMOS Sensor	Physical Pixel	Stored Pixel	Sensitivity [mV/lux*sec]	Aperture	DOF [mm]	FOV [°]	Type	[mA]	[mW]	[lm]	[lx]			
M310FN-WLS	2.8	1	7	0	D	OV6946	400*400	640*480	1000	5.0	3-50	120°	LED	35	8.00	5.16	8,000	2.048	130±10°
M315FN-WLS		1.5																	120±10°
M320FN-WLS		2																	110±10°