yateks®
Your Vision, Our Future

M series

Portable Industrial Videoscope



Introduction:

Yateks M-series articulating borescope is a popular product in combination with flexible mechanical 360° articulation and interchangeable tubes.

With mechanical 360° joystick control structure, M-series?industrial borescope is very portable with the whole weight of only 0.75KG, very portable. Designed as interchangeable tubes, one main body can match multiple insertion tubes of different diameters, lengths and camera modules. It can not only meet customers' various needs, but also can greatly help the customers to save cost of purchase, use and repair.





Technical Advantages:

☆Interchangeable tubes, one host can match insertion tubes with different diameters, lengths and camera modules to meet customers' various needs and greatly save costs.



☆Removable host and support stand, easy to work at hand, on a desktop or attached to a metal platform



☆Mechanical articulation for 360º, bend up t0 180º, flexible and convenient;



☆Carrying case

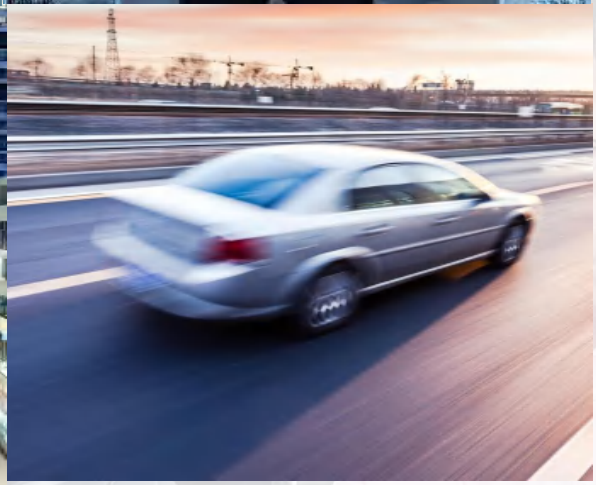


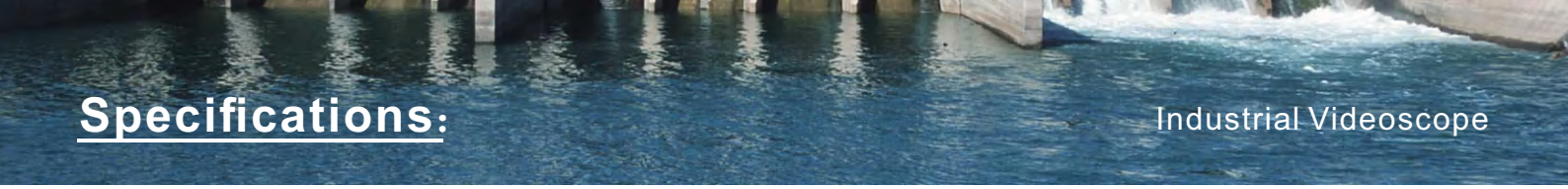
Other functions:

☆Mechanical articulation for 360º, bend for 180º, flexible, accurate, and convenient;
☆Interchangeable tubes, one host can match insertion tubes with different diameters, lengths and c amera modules to meet customers' various needs and greatly save costs.
☆Wear-resistant Insertion tube braided with four-layer of tungsten alloy.
☆Probe with IP67 rating, waterproof and dust-proof, good enough to inspect under all kinds of bad conditions.
☆Apply LED packing technology. Probe illuminance can reach 20,000 lux. The dynamically optimiz ed light levels can be applied to different working conditions.
☆Six-level brightness adjustment?can support it to detect different materials under different environ ments.
☆Five-times digital zoom in/out to inspect more details.
☆Easy to operate, take photos, record videos and save them.
☆USB interface, 16G big capacity SD card, and TV-out interface, data can be easily shared and an alyzed.
☆Large capacity batteries can ensure continuous work for about 4 hours.
☆Hand-held ergonomics design, portable with the?whole weight of 0.75KG.









Specifications:

	Category	Description
System	Dimension/Weight	315*111*173mm/0.75KG
	Display screen	3.5" TFT LCD (320*240)
	Articulation	Mechanical rocker with lens able to rotate in 360-degree,automatic lock
	Functions	Photography, video, brightness control, menu, image zoom
	Storage	8G (UP TO 32G)
	I/O port	SD card, headset, TV-OUT, charge and Micro USB
	Battery/Standby time	Li on Battery 18650 x1 / 4 hours
	Brightness control	6 degrees for brightness adjustment
Software	Operation system	Real time multitasking operation system
	User interface	Drop-down operation menu
	File management	File & Folder creation, naming, deleting Storing to SD card or USB ThumbDrive
	Image control	Flip, zoom in/out, screen frame
	Image format/Video format	JPEG,JPG/AVI(record date and time)
	Language	English/Deutsch/Chinese/Japanese/ Korean/Russian
Operating environment	Monitor working temperature	-10～50°
	video probe working temperature	-20～70°
	Relative humidity	Highest 90%,no condensation
	Waterproof	Monitor IP54/video probe IP67

Models for M-series:

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	11141010	3.9	1	Front	PG	A	720X576	7-80mm	120°	LED	6,000	170±10°
M415FM	11141015		1.5									170±10°
M420FM	11141020		2									150±10°
M430FM	11141030		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	[Lux]	
M610FM	11161010	6	1	Front	PB	A	720X576	7-80mm	120°	LED	20,000	170±10°
M615FM	11161015		1.5									170±10°
M620FM	11161020		2									150±10°
M630FM	11161030		3									120±10°
M650FM	11161050		5									100±10°
M680FM	11161080		8									100±10°
M600FM	11161100		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	[mW]	
M610RF	11165010	6	1	Front	PR	B	720X576	50mm-∞	80°	Infrared laser	100mW, 940nm	170±10°
M615RF	11165015	6	1.5									170±10°
M620RF	11165020	6	2									150±10°
M630RF	11165030	6	3									120±10°

Manufacturer:
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