

M-IR series

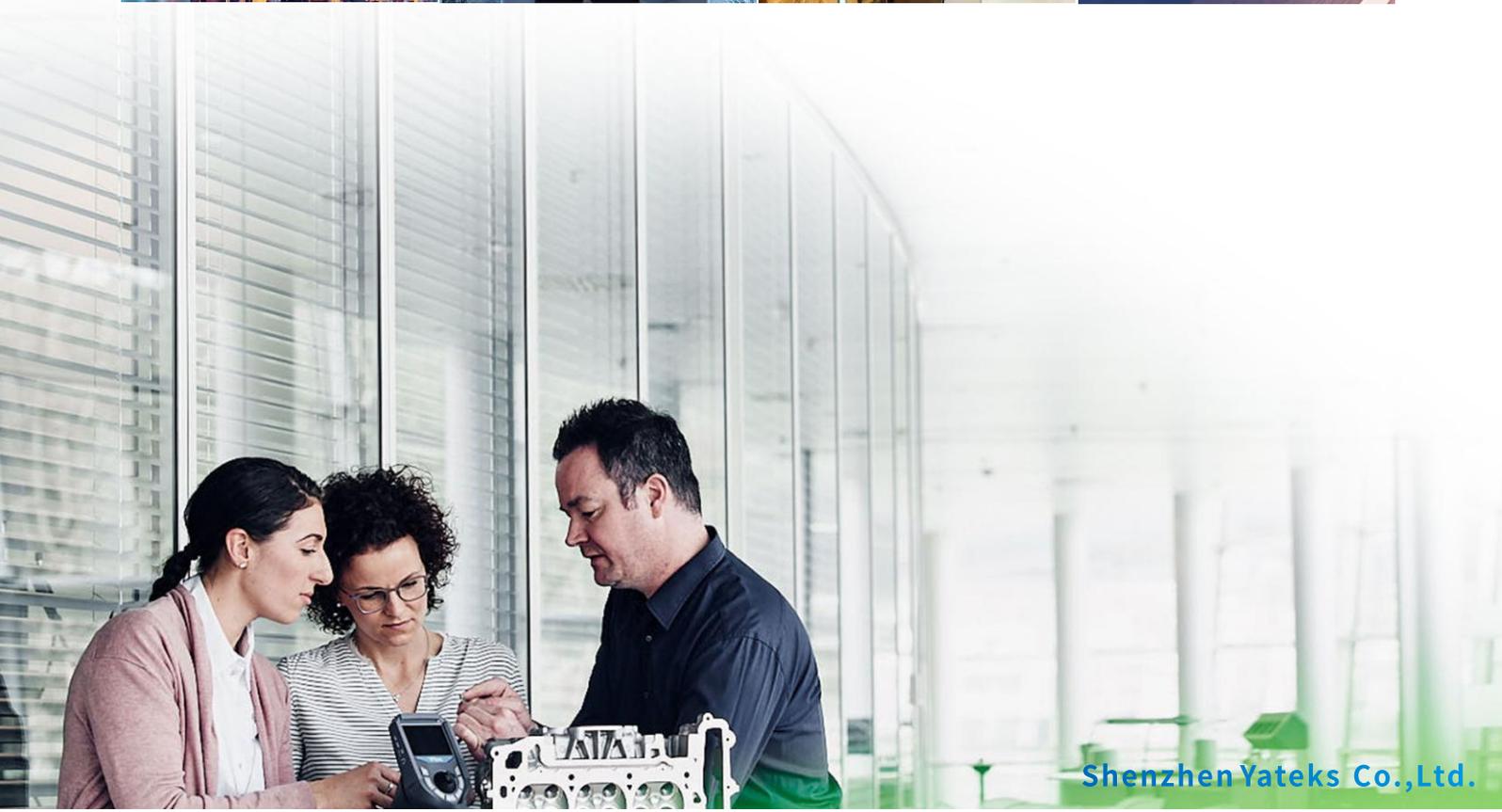
Industrial Infrared Videoscope



In the process of criminal investigation and security work, how to skillfully and secretly observe the target environment plays an essential role.

M-IR series is a customized endoscope type for such special industries. Based on mechanical control of 360° rotation, it can reduce the noise to the lowest level. With a 6mm infrared night vision lens, it can achieve 10 meter effective observing distance under a totally dark environment, in order to lower the risk of observers.

It can be used in special departments such as public security, special policeman, criminal investigation and border defense to carry out work like investigation, security check, explosive-removal and search-and-rescue etc. With this instrument, the risk can be greatly lowered and the safety of law-executors can be ensured.





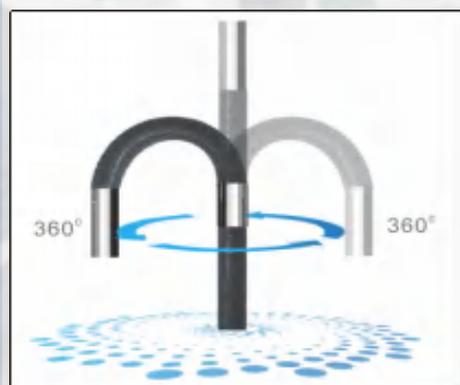
1. It can achieve 10 meter effective observation distance under totally dark environment and the lens with invisible light.



2. 6mm front camera makes it possible to be inserted into small space to observe.



3. 450,000 effective pixels, the visual field can be clearly detected.



4. Mechanical control of 360° rotation can achieve observation in all small directions.



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6. Interchangeable probes--- one main body can match several probes to satisfy different demands.



7. Removable Host and support base structure, easy to work on the desktop when the product will be fixedly placed.

8. Optional magnetic support base, the host can be attached to the detected shell (metal material) in special circumstances.



System	Dimension	315*103*173mm
	Display screen	3.5" IPS industrial high definition screen with resolution ratio of 640*480
	Control lever	Mechanical rocker with lens able to rotate in 360-degree
	Probe reset	Automatic set
	Functions	Photography, video, brightness control, locking, frame&flip and zoom in/ out
	Audio	3.5mm integrated headset
	Internal storage	16G
	Data I/O port	SD card interface, headset interface, HDMI interface, Micro USB interface(charging and data reading)
	Battery	One 18650 Lithium batteries(replaceable)
	Standby time	≥3 Hours
	Operating Method	Handy portable
	Brightness Control	6-degree brightness adjustment
Front video probe	Probe dimension	6.0mm±0.1mm
	Total length	0-3m
	Angle of view	80°
	Angle of bending	150±10°
	Effective pixels	450,000 pixels
	Luminous power	E type:≥100mw(10m effective distance observing)
		P type:≥250mw(20m effective distance observing)
	Depth of field (mm)	50~+∞mm
	Direction of rotation of lens	Mechanical rotation of any direction at 360°
	Material of insert tube	Tungsten wire wear-resistant tube
Software	Operation system	Real time multitasking operation system
	User interface	Pull down operation menu
	File management	Support image and video play, delete, format
	Image control	frame& flip, freeze and zoom in/ out
	Image format	JPEG/JPG (record the date and time)
	Video format	AVI (record the date and time)
	Language	English/Chinese/Korean/German/Japanese/
French/Spanish		
Operating environment	Operating temperature of main body	-10-50°c
	Operating temperature of probe	-20-50°C
	Relative humidity	Max 90%, No condensation
	IP rating	IP54 for main body
		IP67 for probe

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°

