yateks®

Industrial Videoscope



Q-series HD

Portable Industrial Borescope

Shenzhen Yateks Co.,Ltd.

Introduction:

High definition, intelligent, convenient ——Q Series, adopting the latest digital high-definition image processing technology, with mega pixels and a 5.5 -inch OLED big screen, to ensure clearer images. Even in strong sunlight, subtle defects can also be detected.In addition, this product adopts mechanical 360° rocker technology and replaceable insertion tube structure, with multiple camera options such as 2.2mm, 2.8mm, 3.9mm, 6mm forward or dual or interchangeable cameras. Users can choose any according to their needs. One base unit with multiple insertion tube options, customers can get the best combination at the best price to meet the needs of a variety of working conditions.





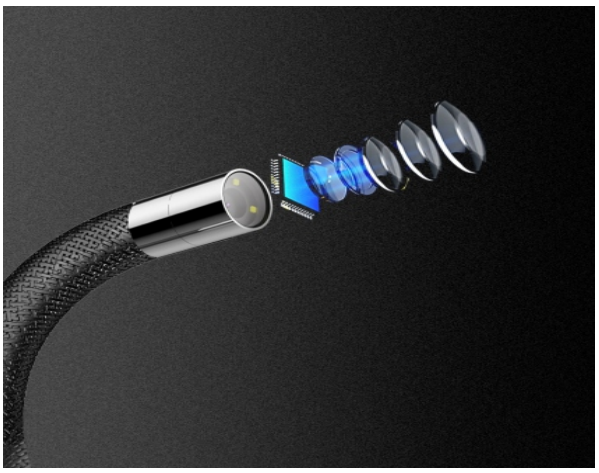




Technical Advantages:



5.5-inch OLED touch screen, wider viewing angle, clearer display and more realistic color reproduction; Even in strong sunlight, subtle defects can also be detected.



High-definition megapixels, new digital high-definition image processing technology, ultra-clear images




Side View(White)


Side View(IR)


Side View(UV)


Front View(White)

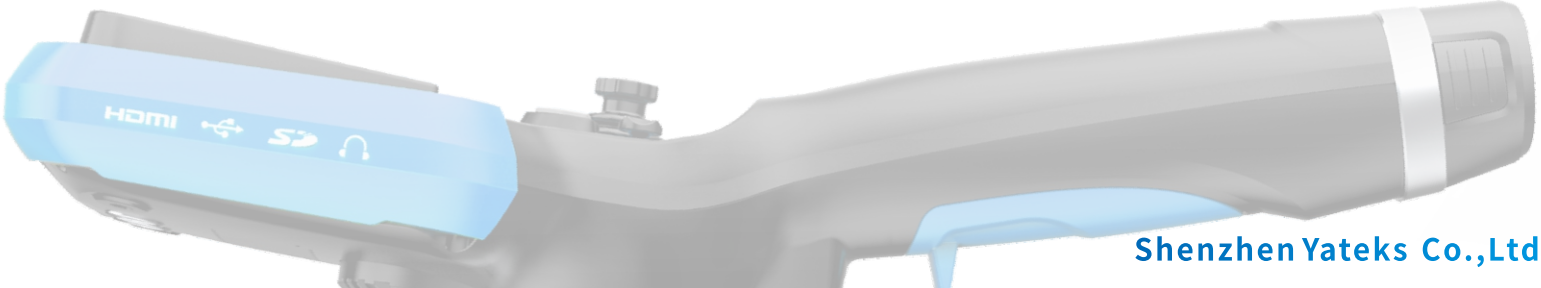

Front View(IR)


Front View(UV)



Interchangeable camera -forward, side view camera with white or UV light.

Replaceable insertion tube - tubes with different diameter &length &specs can be replaced to meet different onsite applications.



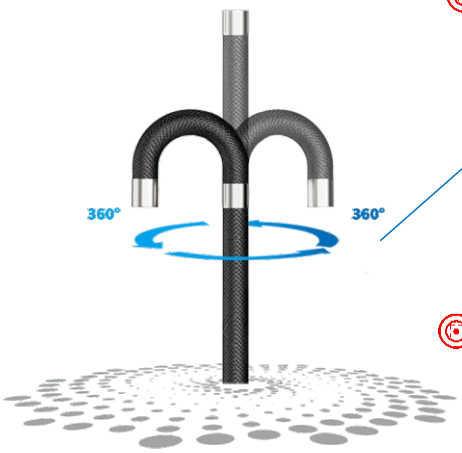
Technical Advantages:



Stand structure -stand structure design, for long-term use, it can support the borescope on a platform; otherwise, magnetic stand is also optional. In special case, the instrument can be attached to metal surface for convenience of inspection.



Flexible articulation -mechanical 360°steering function,



one-way bending can be up to 220°



Unique dual-light compensation and navigation function





Probe of IP67 rating, can be deep to 1 meter under water.

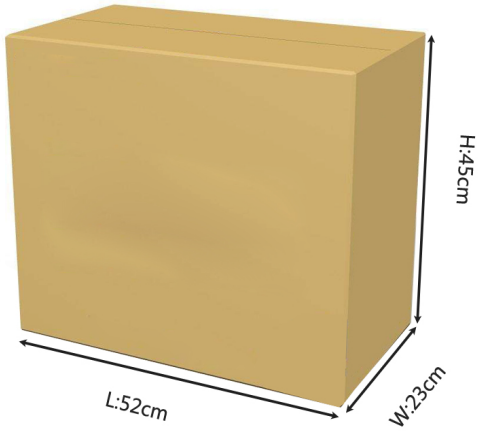
Technical Advantages:



Multi-display function -image can be simultaneously displayed on borescope, smartphone and TV with wire or without wire, convenient to be shared with multiple people.

Carrying Case:



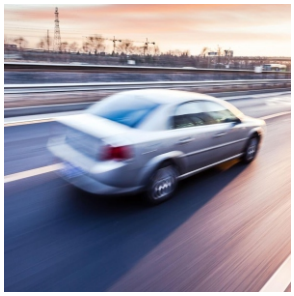


Net Weight: 7 kg

Volume Weight: 9kg

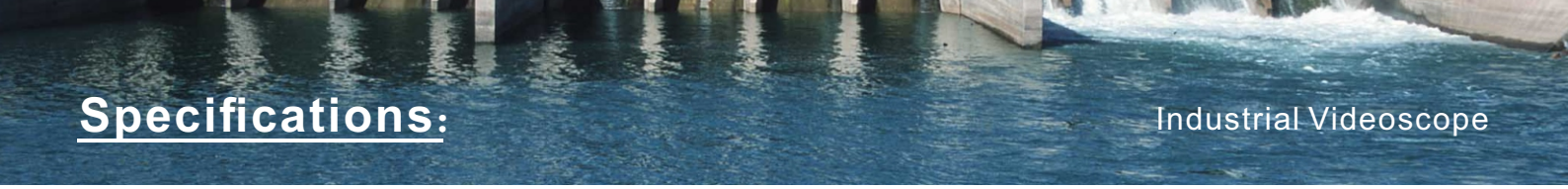
Application:

Power generation/ Automotive technology and transportation / Process industry / Aviation







Specifications:

Q Series Portable Industrial Borescope		
System	Product Dimension	345*157*185
	Weight	950g
	Display screen	5.5″OLED touch screen
	Screen resolution	1920*1080
	Image direction	Rotate 180°, Mirror
	Zooming in	10 levels, 2.5 times
	Image color	Color or Negative
	White Balance	Auto and Manual
	Joystick control	Mechanical rocker for 360°rotation
	Automatic locking	Automatic probe locking
	Functions	Photo/video recording, brightness control, locking
	Audio	Support earphone connection
	Memory	32G
	Data I/O port	SD card port, HDMI video port, Type C charging port, USB port, software update port
	Battery	Two 18650 Lithium battery (Rechargeable)
	Standby time	4h
	Operation Mode	Handheld portable
	Brightness control	10 degrees brightness adjustment
	External light on host	White light, 365nm UV light
	Controlling Mode	Two multi-function mini joysticks
Insertion tube	Insertion tube material	Tungsten-braided insertion tube
	Camera articulation	0°to 180°
	Bending angle	0° to180°
	Effective pixels	45k to megapixels
	Depth of Field(mm)	See model no. list.
	Angle of view	See model no. list.
	Front probe	Replaceable probe, one mainbody can match multiple probes.
Software	Operation system	Real-time multitasking operating system
	User interface	Pop-up drive operation, menu navigation
	File management	Support photo or video playback, delete, format
	Image Editing	Zoom in, playback, editing, graffiti, renaming etc.
	Photo format	BMP, PNG, JPG
	Video format	AVI, MP4
	Language	En, CN, Kr, De, RU, JP
	Color settings	Adjustable color specifications
	Exposure	Adjustable exposure time
	Measurement	2D comparison measurement
	Software update	Upgrade by SD card service pack
Operating environment	Monitor/Probe working temperature	Monitor: -20~50°
		Probe: -20°~70°
	Relative humidity	95%

Models for Q-series:

Product Picture	Yateks Model No.	Part No. /BOM No.	Diameter [mm]	Tube Length [m]	Probe Bending	Camera				Optic		Light		
						Resolution	Camera Location	Headcan length [mm]	Distal part length [mm]	Depth of Field	Angle of View	Illumination Way	Light type	[Lux]
	Q210FN-WL-PM	9040100823	2.2±0.1	1	130±10°	400x400	Forward	5 ± 0.5	28.5 ± 1	3 - 50mm	120°	Distal LED	White	8,000
	Q215FN-WL-PM	9040100824		1.5	120±10°									
	Q220FN-WL-PM	9040100825		2	100±10°									

Product Picture	Yateks Model No.	Part No. /BOM No.	Diameter [mm]	Tube Length [m]	Probe bending	Camera				Optic		Light		
						Resolution	Camera Location	Headcan length [mm]	Distal part length [mm]	Depth of Field	Angle of View	Illumination Way	Light type	[Lux]
	Q310FN-WL-PA	9040100826	2.8±0.1	1	130±10°	400x400	Forward	4 ± 0.5	27 ± 1	3 - 50mm	120°	Distal LED	White	8,000
	Q315FN-WL-PA	9040100817		1.5	120±10°									
	Q320FN-WL-PA	9040100827		2	110±10°									

Product Picture	Yateks Model No.	Part No. /BOM No.	Diameter [mm]	Tube Length [m]	Probe bending	Camera				Optic		Light		
						Resolution	Camera Location	Headcan length [mm]	Distal part length [mm]	Depth of Field	Angle of View	Illumination Way	Light type	[Lux]
	Q410FM-WL-XH	9040100853	4.0±0.1	1	170±10°	1280x720	Forward	8±0.2	42 ± 1	8-100mm	100°	Distal LED	White	10,000
	Q415FM-WL-XH	9040100854		1.5	170±10°									
	Q420FM-WL-XH	9040100855		2	150±10°									
	Q430FM-WL-XH	9040100856		3	120±10°									
	Q410FM-WF-TC	9040100828	4.0±0.1	1	170±10°	1280x720	Forward	14 ±0.2	50 ± 1	8-150mm	110°	Fiber + LED	White	50,000
	Q415FM-WF-TC	9040100791		1.5	170±10°									
	Q420FM-WF-TC	9040100829		2	150±10°									
	Q430FM-WF-TC	9040100830		3	120±10°									

Product Picture	Yateks Model No.	Part No. /BOM No.	Diameter [mm]	Tube Length [m]	Probe bending	Camera				Optic		Light		
						Resolution	Camera Location	Headcan length [mm]	Distal part length [mm]	Depth of Field	Angle of View	Illumination Way	Light type	[Lux]
	Q610FM-WL-XB	9040100857	6.0±0.1	1	170±10°	1280x720	Forward	13±0.2	42 ± 1	8-100mm	100°	Distal LED	White	20,000
	Q615FM-WL-XB	9040100858		1.5	170±10°									
	Q620FM-WL-XB	9040100859		2	150±10°									
	Q630FM-WL-XB	9040100860		3	120±10°									
	Q610FM-WF-TE	9040100839	6.0±0.1	1	170±10°	1280x720	Forward	12 ± 0.2	49 ± 1	8-150mm	110°	Fiber + LED	White	100,000
	Q615FM-WF-TE	9040100792		1.5	170±10°									
	Q620FM-WF-TE	9040100840		2	150±10°									
	Q610FF-WF-WR	9040100842	6.0±0.1	1	170±10°	1280x720	Forward	14.2 ± 0.2	58 ± 1	50-∞mm	80°	Fiber + LED	White	70,000
	Q615FF-WF-WR	9040100843		1.5	170±10°									
	Q620FF-WF-WR	9040100844		2	150±10°									
	Q630FF-WF-WR	9040100845		3	120±10°									
	Q610FM-WL-PF	9040100846	6.0±0.1	1	170±10°	640x480	Forward, interchangeable	15 ±0.2	57.5 ± 1	7 - 80mm	120°	Distal LED	White	15,000
	Q615FM-WL-PF	9040100847		1.5	170±10°									
	Q620FM-WL-PF	9040100812		2	150±10°									
	Q630FM-WL-PF	9040100848		3	120±10°									
	Q610SM-WL-PF	9040100849	6.0±0.1	1	170±10°	640x480	Side, interchangeable	16.8 ±0.2	59 ± 1	7 - 80mm	90°	Distal LED	White	20,000
	Q615SM-WL-PF	9040100850		1.5	170±10°									
	Q620SM-WL-PF	9040100851		2	150±10°									
	Q630SM-WL-PF	9040100852		3	120±10°									

Manufacturer:

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