yateks®
Your Vision, Our Future

P series 3D

Industrial Videoscope

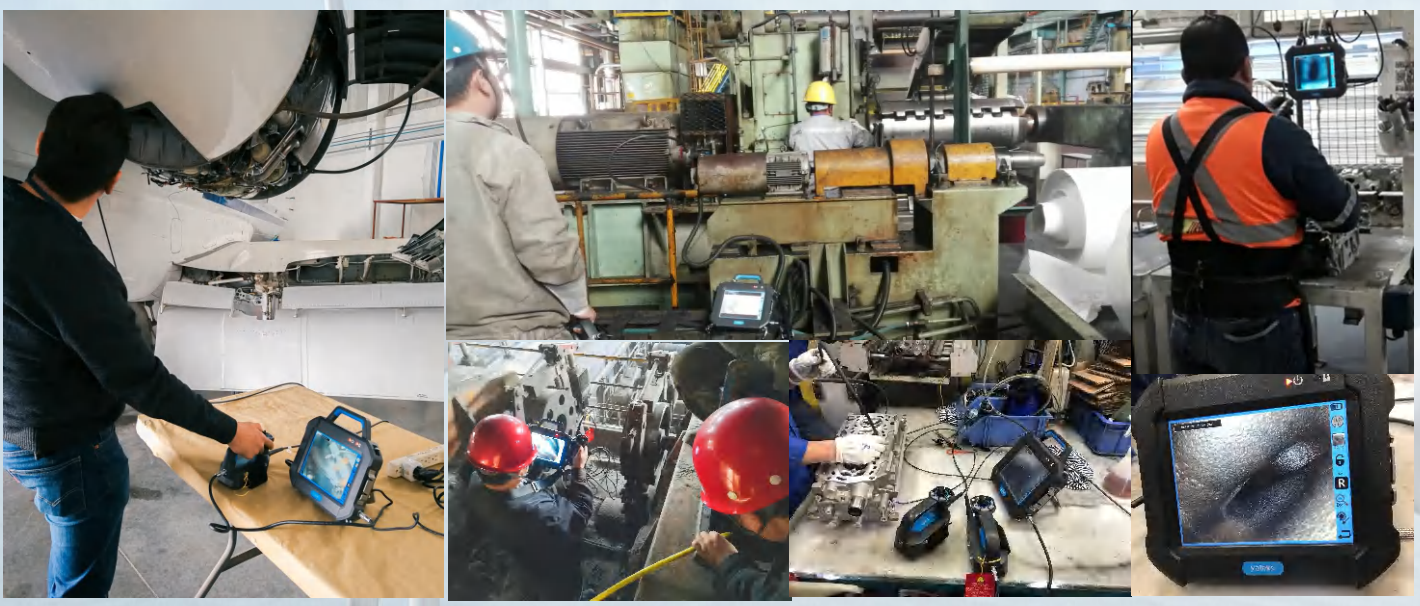
HOT



Introduction:

Yateks 3D measurement Industrial Videoscope perfectly combines the 3D measurement technology with Endoscope technology. It is a portable and multi-functional integrated endoscope that integrates all the cutting-edge technology and functions, including 3D measurement, unique handle design, 360° arbitrary articulation, data collection and access, brightness adjustment etc., which can meet different needs of maintenance personnel to work in limited space and harsh environments ideally.

This P-Series features a brilliant, integrated LED for easily adjustable lighting to capture photos and videos in a variety of environments possible. The great CMOS sensor provides a very clear and high rendition image.

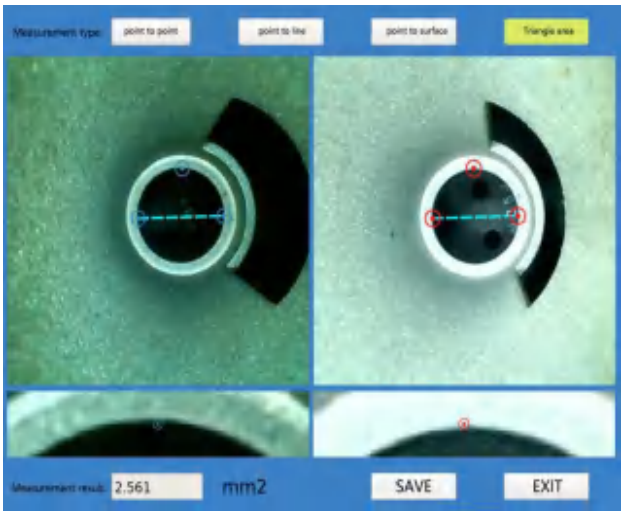


Technical Advantages:

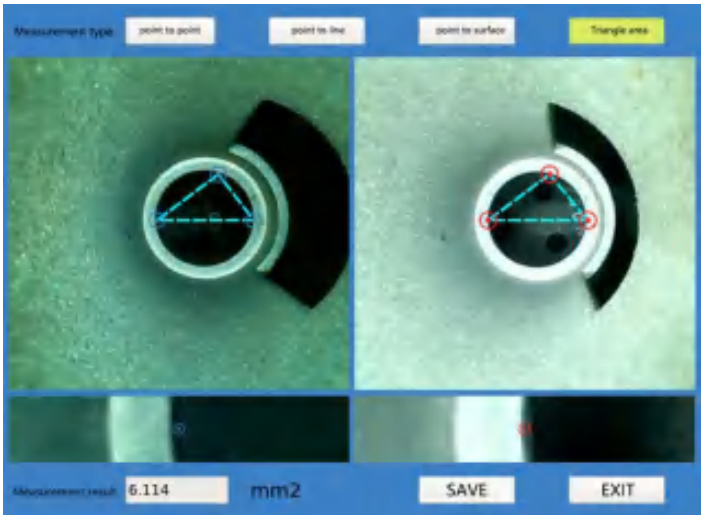
☆The 3D measurement system can accurately measure the size of defects through point-to-point, point-to-line, point-to-surface, area measurement etc



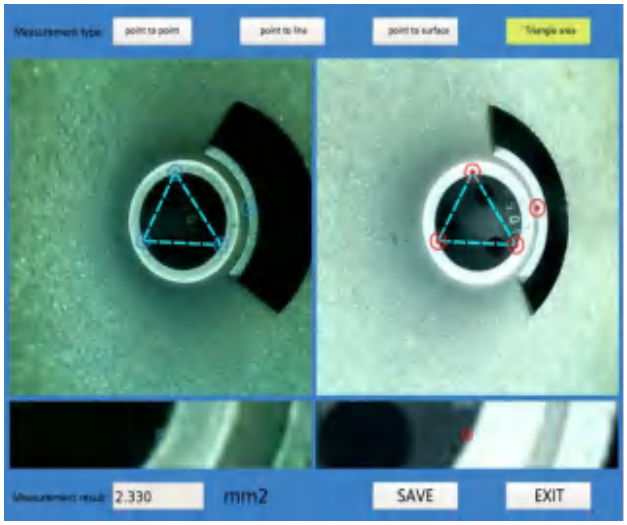
point -to-point



point-to-line



point -to-surface



area measurement

Technical Advantages:



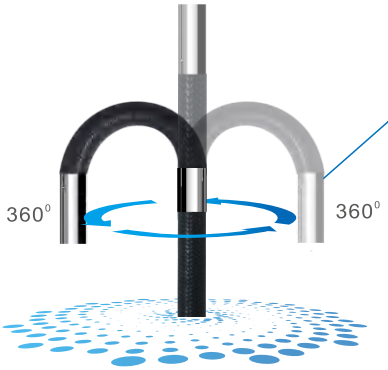
Multifunctional Joystick

Locking automatically and fixed position memory

Holding on for 3 seconds to lock when probe bent;
Open fixed position memory function after locking.
Probe will bend around locking point when the rocker is operated again

Electromagnetic rocker control structure

Probe bends arbitrarily for 360°,so flexible that a controller can easily control probe with one thumb.



Electronic magnetic rocker which can adjust omnidirectionally for 360°

Step by step rocker 1 controlling system provides precise camera location.



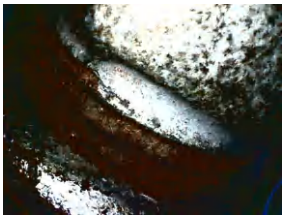
☆Presetting four colors setting modes



original



high rendition



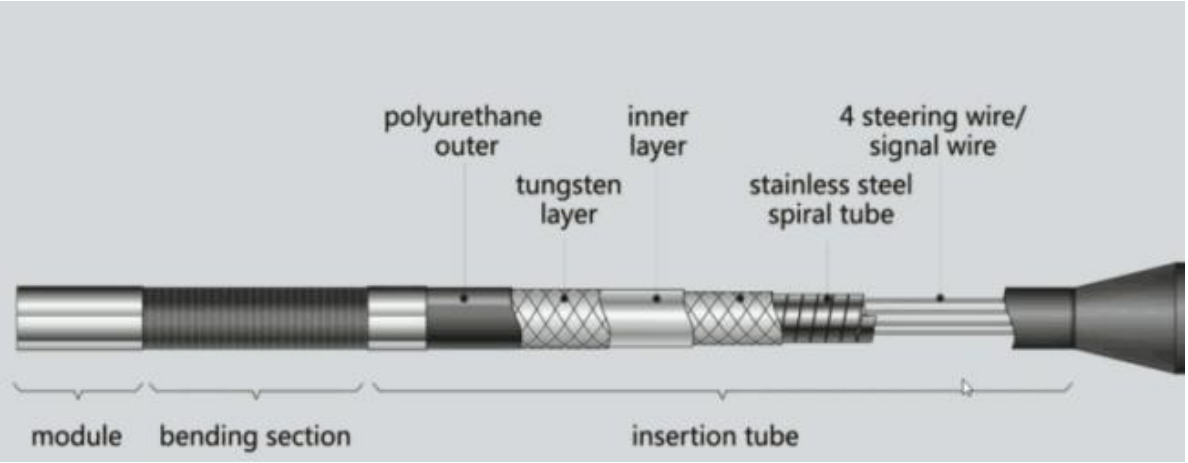
short distance



long distance

Technical Advantages:

☆The insertion tube is braided with four layers of tungsten wire, wear-resist ant, anti-corrosion, and IP67 protection level



☆The operating handle can be replaced at will, and a host can be equipped with multiple handles to meet different application requirements



Carrying Case:

Portable and trolley box packaging, convenient







Technical Advantages

☆Having a number of invention patents

Patents Nr.	Patents description
ZL 201110024752.8	Endoscope bending control structure
ZL 201110070182.6	Endoscope steering control mechanism
ZL 201110069782.0	Endoscope fine-tuning device
ZL 201110092627.0	Endoscope system and measurement method using the endoscope system
ZL 201310242888.5	Endoscope bending control mechanism and endoscope
ZL 201310243007.1	Endoscope power input mechanism and endoscope
ZL 201510540062.6	Endoscope

Other features:

☆8-inch industrial touch screen, simple and easy to operate;

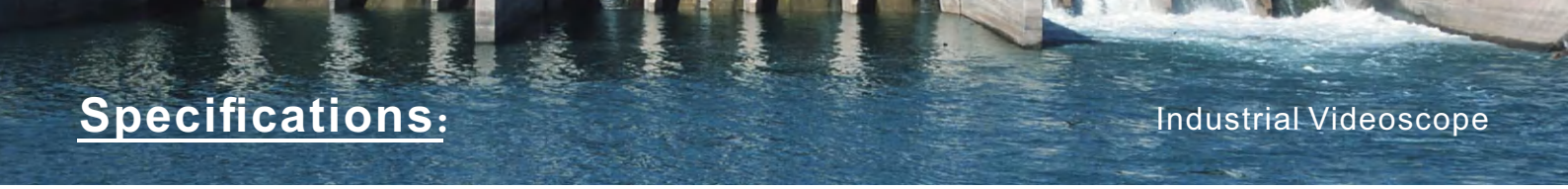
☆A special humanized support mechanism is set behind the host, no need to hold the host all the time during use;

☆The host and the scope are connected by quick intubation, and the maximum separation distance between the handle and the host can reach 2 meters, which is more adaptable on site;

☆Mini USB, large-capacity SD card, VGA interface (can be connected to a large-screen display), easy for multiple people to analyze together;

Application Industry:

Aerospace, Aircraft Maintenance & Manufacturing, Airfoil / Turbine Blade Castings, Automotive / Truck Manufacturing



Specifications:

	Category	Description
System	Dimension/Weight	246*321*123mm/2.3KG
	Display screen	8" IPS industrial HD touch LCD screen with resolution 1024*768(ratio 4:3)
	3D measurement	Point to point, point to line, point to surface, triangle area
	Control lever	Electric rocker with lens able to rotate in 360-degree,automatic set, direction fine
	Functions	Photography, video, brightness control, locking and fine tuning
	Storage	32G high speed SD card (UP TO 128G)
	I/O port	SD card, HDMI port (1024*768) ,charge and mini USB
	Battery/Standby time	4*18650 Lithium batteries(rechargeable)
	Brightness control	10 degrees brightness adjustment
	Combining form	Monitor + probe Separable group
	Compatibility	Support different diameter probes
Software	Operation system	Real time multitasking operation system
	User interface	Touch screen operation menu
	File management	Support image and video play, delete, format memo and naming
	Image control	Zoom in/out(1.0X-1.5X,5 steps),playback, picture freeze-frame, image reversal, mirror image
	Image format/Video format	JPEG,JPG/AVI(record date and time)
	Language	English/Chinese/Korean/German/Russian/ Japanese
	Color settings	4 modes for different applications
	White balance	Automatic/manual white balance
	Exposure mode	Automatic/manual/shutter/aperture
	Upgrade	Upgrade by SD card service pack
Operating environment	Monitor working	-10～50°
	video probe working	-20～70°
	Relative humidity	Highest 90%,no condensation
	Waterproof	Monitor IP54/video probe IP67

Models for P-series:

Model	Part No	Description								
		Diameter [mm]	Insertion Tube Length [m]	Camera		Optic		Light		Probe Bending
				Location	Resolution	Depth of Field	Angle of View	Type	[Lux]	
P610BM	13267010	6	1	Front	800*800	5 - 100mm	120°	Fiber + LED	100,000	170±10°
P620BM	13267020		2							150±10°
P630BM	13267030		3							150±10°

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