yateks®
Your Vision, Our Future

P series HD

Industrial Videoscope

HOT



Shenzhen Yateks Co.,Ltd.

Introduction:

Yateks **P Series** Industrial Videoscopes feature a large 8" monitor that can be utilized in the field or in a desktop inspection environment with the available HDMI output to external display. Special designed for industrial inspection, its CMOS image process system provides ultra clarity on the 8 - inch ultra clear touch screen display, adjustable brightness and an electronic magnetic rocker which can adjust omnidirectionally for 360°







Technical Advantages:



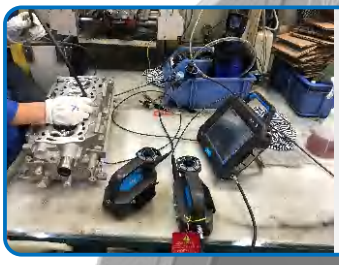
1.Intelligent image processing system with mega pixels module to show super clean



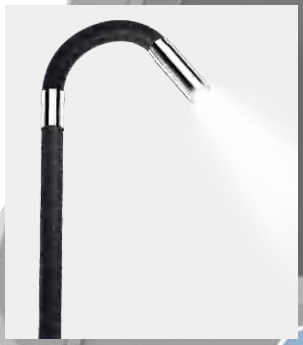
2.Built-in color setting and module automatically identify systems.



3.The different working lengths and diameters of the probes offer great flexibility.



4.8 inch high resolution screen, image visible under sun light.



5. Intuitive, lag-free probe control with 4-way articulation



6. Side lens, dual lens and interchangeable lens are available.

Technical Advantages:

Multifunctional Joystick

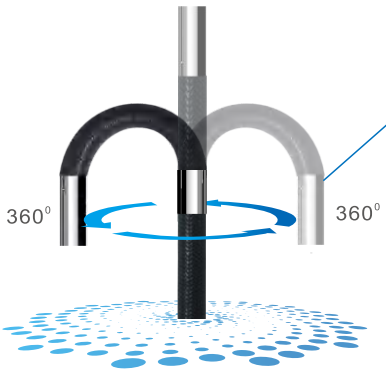


Locking automatically and fixed position memory

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.



HDMI interface, more widely used for real time video output.



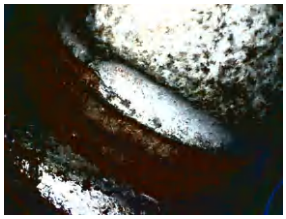


Technical Advantages:

Presetting four colors setting modes


original


high rendition


short distance


long distance

Variety Choices - front LED , side LED, dual lens with both front and side LED, fiber+LED are all available to meet different demands.



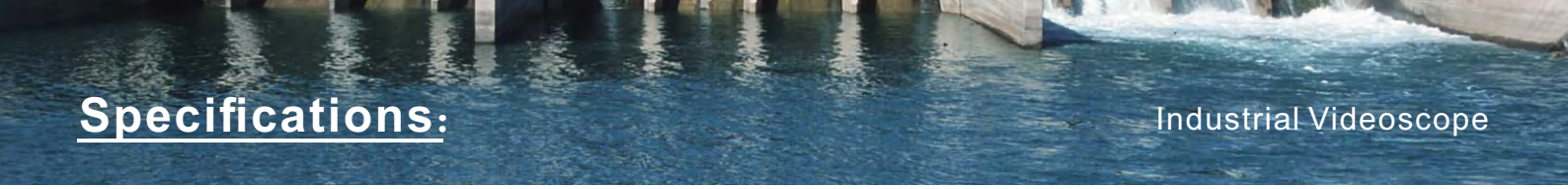
Carrying Case:



Portable and trolley box packaging, convenient







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)
	Control lever	Electric rocker with lens able to rotate in 360-degree, automatic set, direction fine tuning adjustable
	Functions	Photo/video recording, brightness control, locking and Precise adjustment
	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
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 /Portuguese
	Color settings	4 modes for different applications
	White balance	Automatic/manual white balance
	Exposure mode	Automatic/manual/shutter/aperture exposure
	Upgrade	Upgrade by SD card service pack
Operating environment	Monitor working temperature	-10～50°
	Probe working temperature	-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	Head Type	CMOS Sensor	Resolution	Depth of Field	Angle of View	Type	[Lux]	
P210FN	13220010	2.2	1	Front	PM	D	640X480	3-50mm	120°	LED	3500	130±10°
P215FN	13220015		1.5									120±10°
P220FN	13220020		2									100±10°
Model	**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]**	
P310FN	**13230010**	**2.8**	**1**	**Front**	**YA**	**E**	**624*624(1:1)/ 624*500(5:4)**	**3 - 50mm**	**120°**	**LED**	**8,000**	**130±10°**
P315FN	**13230015**		**1.5**									**120±10°**
P320FN	**13230020**		**2**									**110±10°**
Model	**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]**	
P410SM	**13241010**	**3.9**	**1**	**Side**	**SC**	**C**	**1280*720(16:9) /1280*960(4:3)**	**5-80mm**	**90°**	**LED**	**20,000**	**170±10°**
P415SM	**13241015**		**1.5**									**170±10°**
P420SM	**13241020**		**2**									**150±10°**
P430SM	**13241030**		**3**									**120±10°**
Model	**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]**	
P410FM	13241010	3.9	1	Front	PG	A	1024X768	7- 80mm	110°	LED	6,000	170±10°
	13244010		**1**		**TC**	**C**	**1280X720**	**5- 80mm**		**Fiber + LED**	**100,000**	**170±10°**
P415FM	13241015		1.5		PG	A	1024X768	7 - 80mm		LED	6,000	170±10°
	13244015		**1.5**		**TC**	**C**	**1280X720**	**5- 80mm**		**Fiber + LED**	**100,000**	**170±10°**
P420FM	13241020		2		PG	A	1024X768	7- 80mm		LED	6,000	150±10°
	13244020		2		**TC**	**C**	**1280X720**	**5- 80mm**		**Fiber + LED**	**100,000**	**150±10°**
P430FM	13241030		3		PG	A	1024X768	7- 80mm		LED	6,000	120±10°
	13244030		**3**		**TC**	**C**	**1280X720**	**5- 80mm**		**Fiber + LED**	**100,000**	**120±10°**
P450FM	13241050		5		PG	A	1024X768	7- 80mm		LED	6,000	110±10°
Model	**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]**	
P610FM	13261010	6	1	Front	PB	A	1024X768	7 - 80mm	80°	LED	24,000	170±10°
	13264010		**1**		**TE**	**C**	**1280X720**	**8-150mm**		**Fiber + LED**	**100,000**	**170±10°**
P615FM	13261015		1.5		PB	A	1024X768	7 - 80mm		LED	24,000	170±10°
	13264015		**1.5**		**TE**	**C**	**1280X720**	**8-150mm**		**Fiber + LED**	**100,000**	**170±10°**
P620FM	13261020		2		PB	A	1024X768	7 - 80mm		LED	24,000	150±10°
	13264020		**2**		**TE**	**C**	**1280X720**	**8-150mm**		**Fiber + LED**	**100,000**	**150±10°**
P630FM	13261030		3		PB	A	1024X768	7 - 80mm		LED	24,000	120±10°
	13264030		**3**		**TE**	**C**	**1280X720**	**8-150mm**		**Fiber + LED**	**100,000**	**120±10°**
P650FM	13261050		5		PB	A	1024X768	7 - 80mm		LED	24,000	110±10°
P680FM	13261080		8		PB	A	1024X768	7 - 80mm		LED	24,000	100±10°
P600FM	13261000		10		PB	A	1024X768	7 - 80mm		LED	24,000	90±10°
Model	**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]**	
P610DM	13263010	6	1	Front& Side	PD	A/A	720X576/ 720X576	F: 7-80mm /S: 3-30mm	F:100° /S: 90°	Front&Side LED	F5,000 /S10,000	170±10°
P615DM	13263015		1.5									170±10°
P620DM	13263020		2									150±10°
P630DM	13263030		3									120±10°
P650DM	13263050		5									110±10°
P680DM	13263080		8									100±10°
P600DM	13263000		10									90±10°
Model	**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]**	
P610UV	**13266010**	**6**	**1**	**Front**	**YA**	**E**	**624*624(1:1)/ 624*500(5:4)**	**3 - 50mm**	**120°**	**LED**	**UV:40mW, 365nm**	**130±10°**
P615UV	**13266015**		**1.5**									**120±10°**
P620UV	**13266020**		**2**									**110±10°**
P630UV	**13266030**		**3**									**100±10°**

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