

Yateks X+ Series Industrial Video Borescope



NEXT LEVEL

OF INFINITE POSSIBILITIES

The New Yateks X+ Series Industrial Video Borescope is a state-of-the-art industrial video borescope enhanced with numerous functions offering inspection solutions for various applications.

Exceptionally robust and specifically developed for rugged industrial use, the X+ Series' razor-sharp imaging, intuitive operation, and unbeatable price/performance ratio make the Yateks X+ suitable in various industries.



Served Industries

- Aerospace/Aviation MRO
- Automotive
- Power Generation
- General Manufacturing
- ...and more!

Yateks X+ Series Industrial Video Borescope

Empowering Safety and Elevating Performance

InterTest & Yateks USA bring together experts with decades of experience in remote visual inspection (RVI). We offer innovative, quality products for inspecting and maintaining mechanical parts and systems in hard-to-access places, helping customers visualize and measure technical components, systems, and installations.

System & Hardware Components

- 8GB RAM (Random Access Memory), upgradable
- Built-in 128 GB SSD (Solid State Disk)
- Audio socket for microphone connection and dubbing of video recordings
- Two USB-A and one USB-C socket
- HDMI output for external HD screens
- Real-time clock (RTC) for measuring

Upgradeable Feature

- Optical recognition of signs, barcodes and QR codes
- Detailed log files that show runtime, operating temperature etc.
- Built-in WLAN/Bluetooth function

Camera Sensor & Heads

- Probes with MPT (multipixel technology) in the CMOS
- Image sensors with different depth of field ranges and viewing directions (Direct, side, dual)
- New camera heads with different illumination (white light fiber/LED/IR/UV)
- Built-in sensors, such as temperature sensors
- Various probe diameters from 1.1 to 8.4 mm
- Probe material: Robust tungsten braiding
- Probe tip positioning display - "Steering Map"

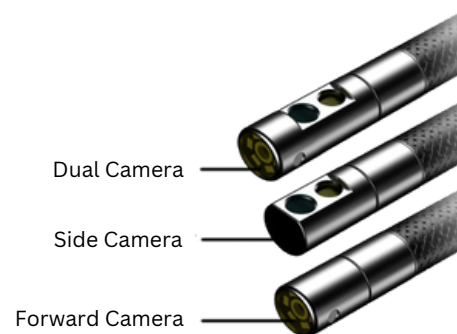
Operating System / Software

- Based on the easy-to-use Android platform
- New intuitive operating concept with symbols and touchscreen



Specifications

Camera Sensor	CMOS
Illumination	LED or Fiber-optic (available in white-, infrared- or ultraviolet-light)
Screen	Full HD 5.5" touch screen
Power supply	4 rechargeable batteries, Type: 18650-protected; power adapter USB-C
White balance	automatic or manual
Image storage	
Photo	BMP, JPG, PNG
Video	MPG
Medium	SD card or PC through Micro USB-C
Articulation	
Control	2-/4-way motorized with joystick Real time with lock function Explore mode "Steering Map" Probe head positioning indicator
Connections	SD-Karte, USB A, USB-C, HDMI, Audio/microphone connection
Wireless	WLAN, Bluetooth
Base unit	
Protection class	Handset IP54, probe IP67
Ambient temperature	Handset -10°C up to +50°C, probe -20°C up to +70°C
Dimensions	38 cm (L) x 17.5 cm (B) x 13 / 10 cm (H)
Weight	from 1.6 kg, depending on probe



Probe Diameter Ø [mm]	Working Length					
	1 m	1.5 m	2 m	3 m	5 m	8 m
1.1	•					
1.7	•	•	•			
2.2	•	•	•	•		
2.8	•	•	•			
3.9	•	•	•	•		
6.0	•	•	•	•	•	•
8.4	•	•	•	•	•	•

Probe Ø Diameter [mm]	Camera Location			Light Source			Illumination Way		Articulation		Resolution		
	Front	Side	Dual	White LED	IR	UV	Fiber	LED	180°	360°	400x400	720x720	Mega pixels
1.1	✓						✓				✓		
1.7	✓			✓				✓	✓		✓		
2.2	✓			✓		✓		✓	✓		✓	✓	
2.8	✓		✓	✓				✓		✓	✓	✓	
3.9	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓
6.0	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓
8.4	✓			✓				✓		✓			✓

INCLUDED ACCESSORIES

- Transportation case
- Battery charger (with 4 slots)
- Li-ion rechargeable batteries 18650-protected, 4 pieces
- Power adaptor
- SD card incl. USB adapter
- Connection cables: USB-C, micro USB, mini HDMI

OPTIONAL ACCESSORIES

- Rigid guide tube with handle
- Dekabon tubing (semiflexible guide tube)
- Centering aid (for centering video probes in tubes)
- "Magic Arm" (large or small holder)
- Magnetic stand
- SD-USB-reader
- Li-ion rechargeable batteries 18650-protected

Probe Diameter Ø [mm]	Depht of Field [mm] Field of View [°]
1.1 mm	DOF 3 mm - 20 mm FOV 120°
1.7 mm	DOF 3 mm - 50 mm FOV 120°
2.2 mm	DOF 3 mm - 50 mm FOV 120°
2.8 mm	DOF 3 mm - 20 mm FOV 120°
2.8 mm [Dual View]	DOF 3 mm - 20 mm FOV Direct: 120° Side: 120°
3.9 mm [Dual View]	DOF Direct: 5 mm - 100 mm FOV Direct: 120° Side: 3 mm - 50 mm Side: 120°
3.9 mm [Illumination +]	DOF 3 mm - 80 mm FOV 110° 5 mm - 150 mm
3.9 mm [Ultra Violet]	DOF 3 mm - 50 mm FOV 120°
6.0 mm [Dual View]	DOF Direct: 8 mm - 100 mm FOV Direct: 100° Side: 5 mm - 50 mm Side: 100°
6.0 mm [Illumination +]	DOF 3 mm - 80 mm FOV 130° 8 mm - 150 mm
6.0 mm [Ultra Violet]	DOF 3 mm - 50 mm FOV 120°
8.4 mm	DOF Direct: 8 mm - 100 mm FOV Direct: 100° Side: 8 mm - 100 mm Side: 100°

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