



Maxvidia

EAGLES HD UV SCOPE SERIES

Industrial Videoscope

UV Scope 600

The UV Scope 600 by Maxvidia is an advanced industrial videoscope engineered for precision and reliability in visual inspection. It features real-time image processing technology that delivers superior clarity even in challenging environments. With its ultra-fine probe diameter and extended detection range, the UV Scope 600 excels in inspections within confined or hard-to-reach spaces.



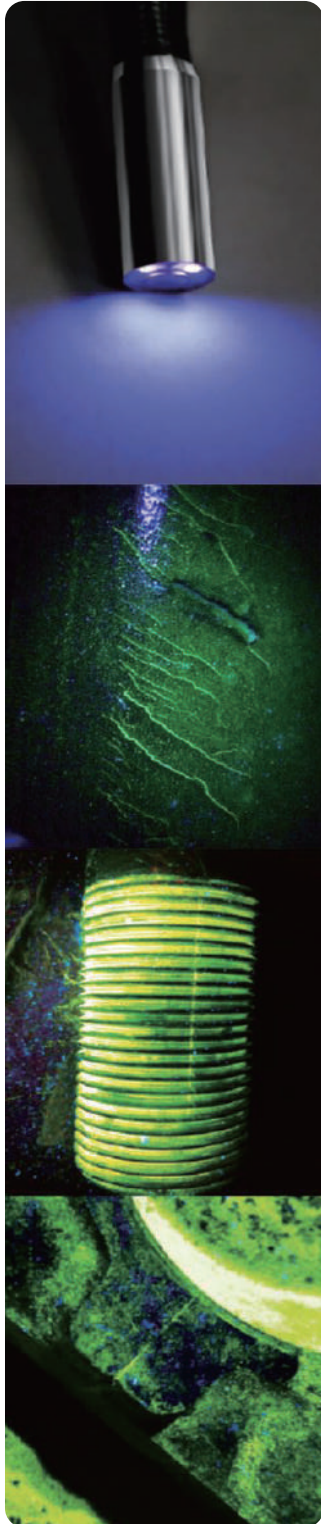
| www.pmtndt.com | sales@pmtndt.com



View information

“Flexibility and Mobility On the Go”

Built for mobile inspections, the UV Scope 600 features a rugged design, delivering high-resolution imaging and advanced functions even in demanding environments. Its versatility makes it suitable for a wide range of industries.



Aerospace

- Airframe
- Landing gear
- Turbine blades
- Combustion chamber



Automotive

- Engine parts
- Cast parts
- Assembled units
- R&D, quality assurance



Defense / Security

- Aircraft maintenance
- Police & special forces
- Customs & border control
- Search & rescue



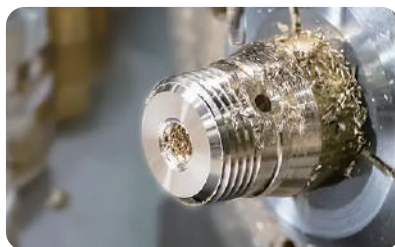
Power Generation

- Turbine blades
- Heat exchanger pipes
- Wind gearboxes
- Power plant equipment



Oil / Gas / Chemical Plants

- Process pipes
- Heat exchanger pipes
- Tanks
- Boiler maintenance



Manufacturing

- Small parts
- Drilled parts
- Production facilities
- R&D, quality assurance

“Precision Inspection · Insight Within”



IP64 waterproof rating



Resolution: 1280 × 720



Wireless Charging Base



5-Second Quick Boot



Supports 64GB Memory Card



Powerful UV Illumination for Precision Fluorescent Inspection

Under UV light conditions, the UV Scope 600 enables precise fluorescent penetrant (PT) and magnetic particle (MT) inspections with exceptional clarity. Emitting a wide-area and accurate 365 nm UV band, it delivers uniform illumination that enhances fluorescent visibility, ensuring every detail is captured even in large and complex cavities.

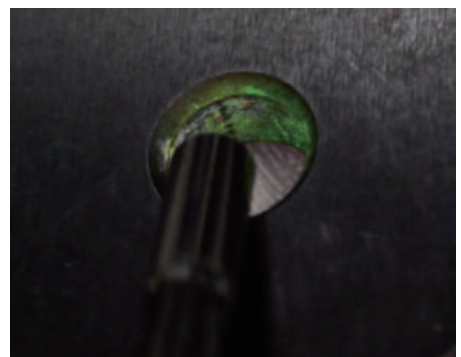
Whether inspecting aircraft landing gear, large engine cylinders, or other industrial components, the UV Scope 600 provides comprehensive and reliable detection results. Its powerful UV output and advanced optical design allow operators to achieve clear, consistent imaging in environments where precision and safety are critical.



With superior UV performance and robust engineering, the UV Scope 600 redefines efficiency in non-destructive testing and visual inspection applications.



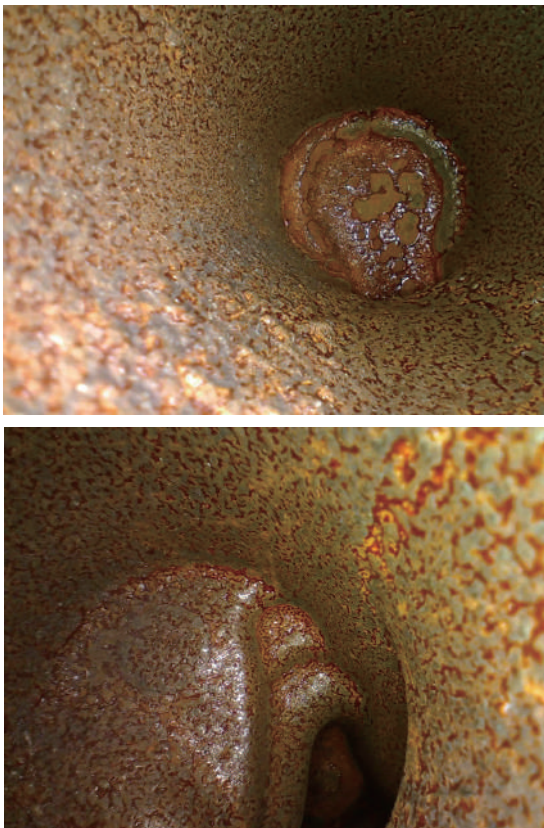
▲ UV-A light is OFF



▲ UV-A light is ON

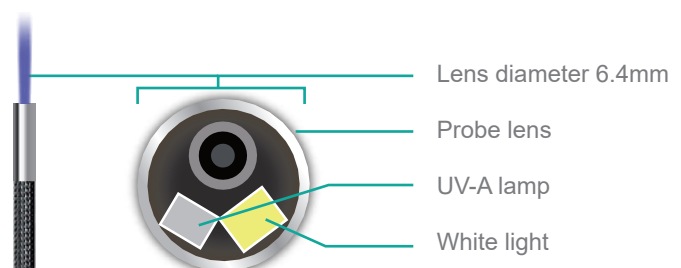
“Software interactive main interface”

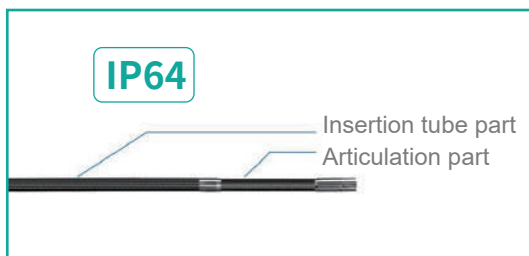
The original intelligent image processing system introduces one-button touch options such as shadow display, strong light suppression, image enhancement, 3D noise reduction, etc., which greatly improves efficiency under



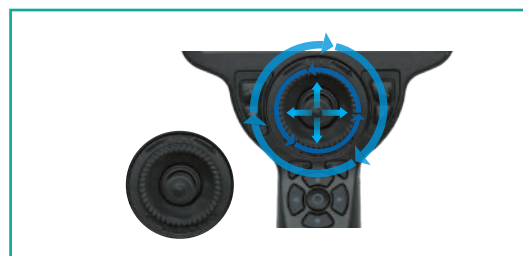
Industry videoscope instrument Features

- Portable design, easy using and carrying
- Joystick-Controlled, 360 degree Articulation.
- Highly Durable and Flexible Insertion Tube.
- High-Intensity LED Illumination.
- High sensitiveness CCD/CMOS image sensor.
- Batteries continually working more than 2 hours.





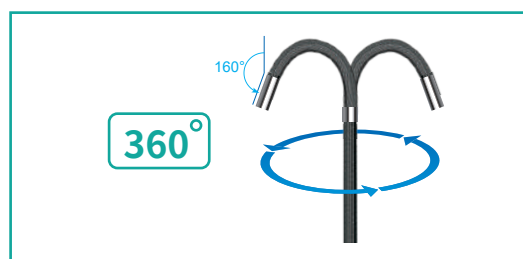
- 1 **IP64 Waterproof probe**
It is waterproof and can be bent in four directions using the control rod.



- 2 **Simple Operation**
Intuitive one-handed control with a responsive touchscreen interface.



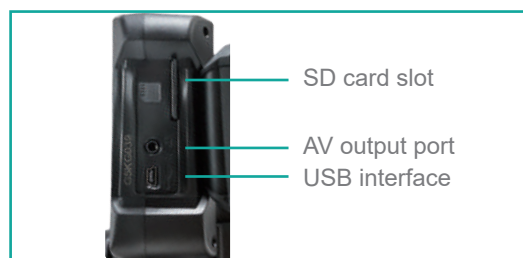
- 3 **High-Definition Display**
Equipped with a 5" LCD touchscreen(1280×720) for crisp, detailed visuals.



- 4 **Enhanced Flexibility**
Mechanical 360° articulation for precise directional control.



- 5 **Intelligent Imaging**
One-touch 3D noise reduction, strong light suppression, and real-time enhancement.



- 6 **Ample Storage**
1.8GB built-in memory with support for 64GB external cards.



- 7 **Wireless Charging Stand**
Convenient wireless charger base for effortless recharging and extended mobility.



- 8 **Rugged Portability**
Durable, lightweight design built for field inspections and demanding industrial conditions.





Standard Set



Controller



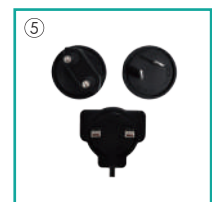
6mm probe



Battery



Stand



Plug adapter



Neck Strap



Lens cloth



Data cable



HDMI cable



Charger



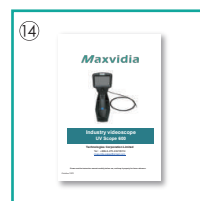
**64G SD card
(Card slot)**



card reader



AV cable



**Operation
manual**



Carry Case

Technical Specifications

Controller		Probe	
Carton Dimension	548 x 458 x 198 mm (21.57 x 18.03 x 7.8 in)	Diameter	6.4mm (0.25 in)
Controller Weight	1.2kg (2.65lb)	Length	16mm (0.63 in)
Controller Size	330 x 90 x 150 mm (12.99 x 3.54 x 5.91 in)	Testing cable Length	2M/3.5M
Housing Material	ABS	Photo Sensor	CMOS 1/7.5
LCD	5 inchs 1280 X 720	Effective Pixels	720P
Contrast	1000:1	Depth of Field	5-50mm (0.2-1.97 in)
Brightness	1000cd/m ²	FOV	>120°
Display Frame Rate	30 fps	Viewing Angel	0°
Articulation Control	Both mechanical and servo probe are available	Illumination Style	365nm LED
Interchangeable probe	ok	UV irradiance	2500 μW/cm ²
Outpur Interface	HDMI/AV	Articulation	4 Ways
USB Interface	Mini-USB-type B	Surface	Tungsten Braid
Light Type	LED UV-A 365nm	Bending Direction	Electric 360°
Lamp Life	10W H	Bending Angle	360° Rotation More than 90° Bending
Brightness Control	Manual 5-level adjustment	Control Machanism	Electric Joystick
White Balance	Auto/manual	Camera Working	-10~50°C
Video Output	Manual,NTSC/PAL	System Working	-10~50°C
Video Input	NTSC/PAL	Storage Temperature	-10~50°C
SD Card	64G	Liquid Proof	Oil , light oil or 5%salt
		Waterproof Level	IP64
Software		Power input	
Operating system	Multitasking operating system menu driven and key operations	AC power input	AC100~240V50/60Hz0.35A
Image control	Real-time image 3x zoom, store image 3x zoom	AC power output	5V 3A, Wireless Charging
Image format	JPEG 1024*768	Battery	
Video format	AV1 720*576	Lithium Battery	3.7V/9000MAH
Software upgrading	Upgrade via USB fash-drive	Charging Time	5 Hours
Languages	Chinese Simplified, Chinese Traditional, English, German, French, Korean, Russian, Italian, Japanese	Working Time	More than 4 Hours

**Explore our diverse range of specifications. Reach out to discuss your needs.