



ITI UV SCOPE SERIES

ITI UV Videoscope System

The ITI UV Scope Series tackles critical ultraviolet inspection applications, ideal for fluorescent magnetic particle and dye penetrant indications.

Digital, portable and easy to set up, ITI UV Scopes

- Feature a compact control box for easy toggling between UV and white light.
- Integrate a built-in light source, eliminating a heavy, external UV lightbox and yielding lower operating cost than arc lamp sources.
- Plug into your laptop—no dedicated, proprietary computer to update and maintain.
- Include turnkey software to display data for immediate evaluation or to capture and save high resolution images and video.
- Provide optional measurement software and/or computer if needed.



Optional computer and measurement software



Built-in camera and LED lighting

APPLICATIONS: Aerospace, aviation, power generation, oil & gas and more.

Probe **MEASURES** 6.3mm (.248") in diameter and is available in lengths up to 6m (19.7').

Provides **4-WAY ARTICULATION** with breaking to hold view.

Durable probe, with **"PUSH-ABILITY"** in open spaces, means easy maneuvering and minimal coiling.

The **CAMERA** and intense **LED LIGHT SOURCES** built into the end of the scope deliver high resolution digital images and video.

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NOTE: a computer meeting minimum specifications is required; ITI offers approved computers if needed.



Built-in camera and LED light sources. Light sources meet ASTM Standards.

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Also check out:

- ITI UV Video Inspection System
- ITI UV 6mm Rigid Borescope System

MECHANICAL

Insertion Diameter	Ø6.3mm (Ø.248")
Insertion Length	up to 6 meters (19.7') (Tungsten/SS)
Articulation	4-way 130° (>4m 90°)
Brakes, Articulation	Yes
Bend Radius	38mm (1.50") bending section 50mm (1.97") probe
Chemical Compatibility	MagnaGlo 14AM
Weight, VS	0.45kg (1lb)
Weight, Kit	5.73kg (12.6lbs)
Size, Kit Case	66cm x 24.1cm x 40.6cm (26" x 9.5" x 16")

IMAGING

View Direction	90° side view
Field of View	85°
Depth of Field	7.6mm – 38mm (.30" – 1.50")
Resolving Power	53 arcmins/cycle (UV) 18 arcmins/cycle (WL)
Camera, Color	1/6" CCD, 768 x 494 AGC, AWB

ILLUMINATION

Ultra-violet (365nm)	3500µW/cm ² at 35.6mm (1.40") • ASTM E1417/E1444 up to 35.6mm (1.40") - Less than 2 fc Visible Light
Visible (white light)	400 lm/ft ² at 35.6mm (1.40")

COMPUTER

Minimum Requirements	CPU Intel i7 Core RAM 16GB OS Windows 7, 8, 10 USB 2.0
Software, Included	Viewing and Recording
Software, Option	2D measurement

POWER

Volts/Current/Power	12VDC/200mA/2.5W
AC/DC Power Adapter	90-264VAC, 47-63Hz 12VDC, .50A, 6W

ENVIRONMENT

Operation Temperature	0°C to 45.6°C (32°F to 114°F)
Storage Temperature	-18°C to 65.6°C (0°F to 150°F)
Ingress Protection	IP67

KIT INCLUDES

- UV Videoscope (Video Borescope)
- AC/DC Power Adapter
- Transit Case with Foam
- Power/Illumination Controls
- Viewing and Capture Software
- Manual