

GE
Sensing & Inspection Technologies

XL Vu VideoProbe®

Remote Visual Inspection

The Essential Video Borescope

XL Vu VideoProbe from GE Sensing & Inspection Technologies is equipped to handle all of your remote visual inspection needs.



Advanced Features

Portable and equipped with essential features make GE video borescopes the best equipment value in the industry.

- Intuitive, easy-to-use controls
- Servo motor All-Way® Probe articulation
- AC corded or battery powered options available
- Custom shipping and storage case included with system
- 1GB Internal Flash memory
- 1 USB® 2.0 port, VGA video out
- Full tip optic interchangeability with secure double threads

Two Power Options

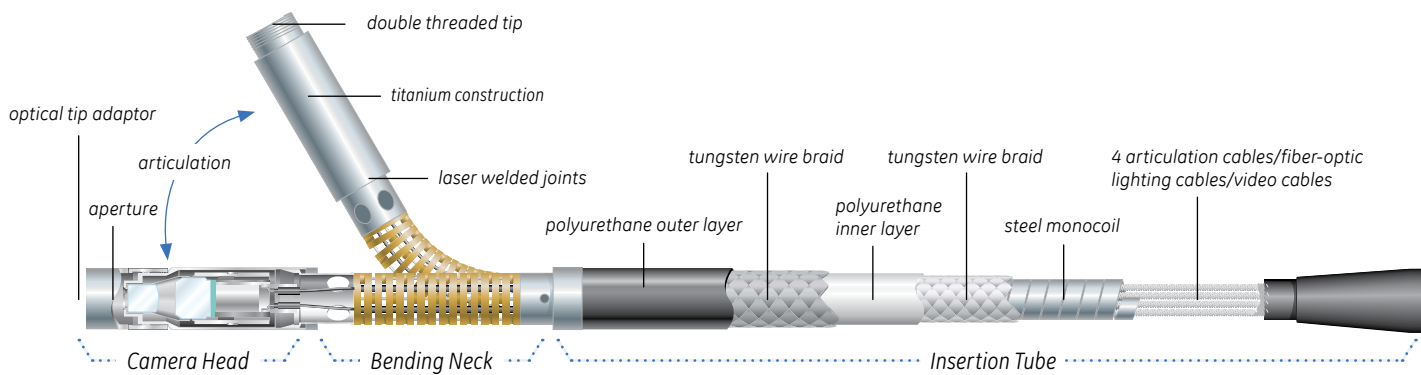
Plug into a nearby AC outlet with the corded version or use a long running lithium ion battery powered version. The XL Vu VideoProbe system provides inspectors unparalleled access without a bulky base unit. Weighing as little as 1.77 kg (3.90 lb), the XL Vu VideoProbe system can easily “view anywhere.”



Image Quality

XL Vu utilizes LED illumination to display excellent image quality. Save clear, accurate still images and motion video to the internal flash memory or removable USB ThumbDrive®.

Superior All-Way® Articulation, Durability and Probe Options



Note: Illustration is not drawn to scale.

CAMERA DIAMETER		INSERTION TUBE WORKING LENGTH			
3.9 mm (0.154 in)		2.0 m (6.6 ft)	3.0 m (9.8 ft)		
6.1 mm (0.242 in)		2.0 m (6.6 ft)	3.0 m (9.8 ft)	4.5 m (14.8 ft)	8.0 m (26.2 ft)

System and Accessories

The XL Vu VideoProbe® system is supplied in a convenient light-weight shipping/storage case. The case protects the system when not in use and keeps it organized when in use.



Technical Specifications

System

Case Dimensions:	62.5 x 21.8 x 50.0 cm (24.6 x 8.6 x 19.7 in)
System Weight:	
Battery Version:	In Case: 8.23 kg (18.15 lb) Without Case: 1.77 kg (3.90 lb)
Corded Version:	In Case: 8.63 kg (19.02 lb) Without Case: 2.16 kg (4.77 lb)
Power (Lithium Ion Battery):	8.4V, 38 Wh (2-hour) or 75 Wh (4-hour)
Power Supply	
Battery Version:	AC Input: 90-264 VAC, 50-60 Hz, 1.6A Max DC Output: 10.2V +5/-3%, 4.9A
Corded Version:	AC Input: 100-240 VAC, 50-60Hz, 1.6A Max DC Output: 10.2V +5/-4%, 4.9A
Construction:	Polycarbonate housings with integrated Versalon™(JP) bumpers
Dimensions:	9.5 x 13.3 x 34.3 cm (3.8 x 5.3 x 13.5 in)
LCD Monitor:	Integrated 9.40 cm (3.70 in) active matrix VGA color LCD
Joystick Control:	360° All-Way® Tip articulation, menu access and navigation
Button Set:	Access user functions and digital functions
Audio:	Integrated 2.5mm headset/microphone jack
Internal Memory:	1GB Flash memory
Data I/O Ports:	One USB® 2.0 port VGA Video Out
Brightness Control:	Auto and Variable
Illumination Type:	White LED
White Balance:	Factory default or user defined

Operating Environment

Tip Operating Temp:	-25°C to 80°C (-13°F to 176°F) Reduced articulation below 0°C (32°F)
System Operating Temp:	-20°C to 46°C (-4°F to 115°F) LCD requires warm-up period below 0°C (32°F)
Storage Temperature:	-25°C to 60°C (-13°F to 140°F)
Relative Humidity:	95% max, non-condensing
Waterproof:	Insertion tube and tip to 14.7 psi (1 bar, 10.2m of H ₂ O, 33.5 ft of H ₂ O)
Hazardous Environments:	Not rated for use in hazardous environments

Standards Compliance and Classifications

Standards Compliance:	Group 1, Class A: EN61326-1 (basic radiated immunity) UL, IEC, EN61010-1, CSA-C22.2 UN/DOT T1-T8
------------------------------	--

Camera

6.1 mm (0.242 in) Diameter Probes	
Image Sensor:	1/6 inch Color SUPER HAD™ CCD camera
Pixel Count:	440,000 pixels
Housing:	Titanium
3.9 mm (0.154 in) Diameter Probes	
Image Sensor:	1/10 inch Color SUPER HAD™ CCD camera
Pixel Count:	290,000 pixels
Housing:	Titanium

Technical Specifications

Software

Operating System:	Real-time multi-tasking operating system
User Interface:	Simple drop-down menu-driven operation Menu navigation using articulation joystick
File Manager:	Embedded file manager software supporting: File & Folder creation, naming, deleting Store to internal Flash (C:\) or USB ThumbDrive Copy between USB and C:\
Audio Data:	PC compatible (.AAC) file format
Image Control:	Invert, Zoom (3X digital) Image Capture and Recall
Digital Zoom:	Continuous (3X)
Image Formats:	Bitmap (.BMP), JPEG (.JPG)
Video Format:	MPEG 4
Text Annotation:	Built-in full screen text overlay generator
Graphic Annotation:	User placement of arrows
Articulation Control:	"Steer & Stay" articulation lock/fine articulation Tip "Home" return to neutral forward-tip orientation
Software Updates:	Field updateable via USB ThumbDrive
Languages:	English, Spanish, French, German, Italian, Russian, Japanese, Korean, Portuguese, Chinese

Tip Articulation

Insertion Tube Length	One Loop
2.0, 3.0 or 4.5 m	Up/Down – 100° min, Left/Right – 100° min
8.0 m	Up/Down – 90° min, Left/Right – 90° min

Note: Typical articulation exceeds minimum specifications

Tip Optics

Tip View (DOV)	Tip Color	Field of View (FOV)*	Depth of Field (DOF)	3.9 mm Optical Tip Part #	6.1 mm Optical Tip Part #
Standard Tips					
FORWARD	NONE ☒	80°	6–80 mm (0.24–3.15 in)	PXT480FG	
FORWARD	ORANGE ●	90°	3–40 mm (0.12–1.57 in)	PXT490FN	
FORWARD	NONE ☒	50°	50 mm (1.97 in)–infinity		XLG3T6150FF
FORWARD	WHITE ○	50°	12–200 mm (0.47–7.87 in)		XLG3T6150FG
FORWARD	ORANGE ●	80°	3–20 mm (0.12–0.79 in)		XLG3T6180FN
FORWARD	YELLOW ●	90°	20 mm (0.79 in)–infinity		XLG3T6190FF
FORWARD	BLACK ●	120°	5–120 mm (0.20–4.72 in)		XLG3T61120FG
FORWARD OBLIQUE	PURPLE ●	50°	12–80 mm (0.47–3.15 in)		XLG3T6150FB
SIDE	BROWN ●	80°	4–80 mm (0.16–3.15 in)	PXT480SG	
SIDE	RED ●	90°	2–16 mm (0.08–0.63 in)	PXT490SN	
SIDE	BROWN ●	50°	45 mm (1.77 in)–infinity		XLG3T6150SF
SIDE	GREEN ●	50°	9–160 mm (0.35–6.30 in)		XLG3T6150SG
SIDE	BLUE ●	120°	4–100 mm (0.16–3.94 in)		XLG3T61120SG
SIDE	RED ●	80°	1–20 mm (0.04–0.79 in)		XLG3T6180SN

*FOV is specified diagonally.



ISO 9001
REGISTERED COMPANY



www.gesensinginspection.com

GEIT-65046EN (04/09)