



VIDEOSCOPE XT

EXPLOSION-PROOF VIDEOSCOPE FOR HAZARDOUS ENVIRONMENTS

PRODUCT OVERVIEW

The IT Concepts VIDEOSCOPE-XT is a compact, battery-powered borescope camera engineered for visual inspections in Class I Division 2 hazardous environments. Its explosion-proof housing prevents ignition and meets UL, ATEX, and MIL-STD-810G safety standards.

Featuring a 5" high-resolution display, four-way tip articulation, and cold LED fiber optic lighting, the system delivers clear visibility in confined or high-risk areas—without disassembly or downtime. Built for the field, the VIDEOSCOPE-XT is trusted for inspections in aerospace, energy, petrochemical, and defense applications.



01 **Certified Explosion-Proof**

UL Class I Division 2, ATEX, and MIL-STD-810G certified to ensure safe operation in hazardous and explosive environments.

02 **Precision 4-Way Articulation**

Navigates tight bends and complex geometry with full 360° tip control and responsive joystick articulation.

03 **Cold, Safe Illumination**

LED-powered cold fiber optic lighting eliminates spark risk while delivering bright, focused visuals.

WHY VIDEOSCOPE-XT STANDS APART

	VIDEOSCOPE-XT	TYPICAL BORESCOPE
Explosion Proof Certified	✓	✗
Color Fiber Optic Illumination	✓	✓
4-Way Tip Articulation	✓	✓
Digital Zoom + CMOS Optics	✓	✓
Portable Field Kit	✓	✓

VIDEOSCOPE-XT APPLICATIONS

AVIATION



OIL & GAS



POWER GEN



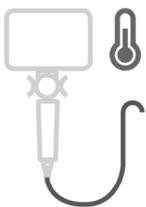
- Gas and steam turbines (LPT, HPT, combustion chambers)
- Aviation turbines, compressors (LPC, HPC), and jet engines
- Internal fuel tanks, storage vessels, and pressure tanks
- Industrial compressors and rotating equipment
- Castings and weld seams in manufacturing equipment

- Meter tubes and gas measurement instrumentation
- Nuclear reactor components and cooling systems
- Process vessels in chemical or refinery settings
- Tight or confined mechanical assemblies in OEM equipment
- Heat exchangers, boilers, and pipework



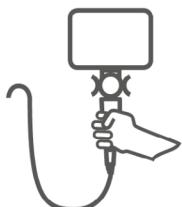
PRODUCT FEATURES

DURABLE



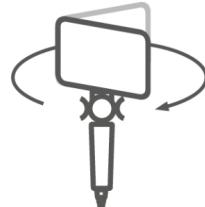
Built for demanding inspection environments. Designed to perform reliably in tough, real-world industrial conditions.

COMPACT-SYSTEM



All-in-one device with monitor, light source, handle, and video probe. Ready for inspection in seconds.

SWIVELING-MONITOR



Monitor adjusts smoothly and locks securely in nearly any position with the ball head mount.

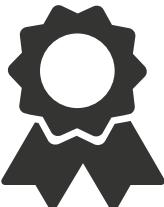
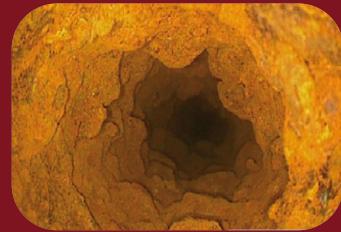
SPLASH-PROOF



Resistant to dust and water spray from any direction. Built for rugged environments.

ADVANCED IMAGING PERFORMANCE

Detect cracks, corrosion, and other critical defects with sharp visuals powered by CMOS chip-in-the-tip optics, digital zoom, and cold fiber optic illumination.



HAZARDOUS LOCATIONS RATINGS & CERTIFICATIONS

- UL Class I Division 2 (File # E477160)
- ATEX Certified (ITVS17ATEX9828X)
- MIL-STD-810G (Method 511.6)
- NFPA 70
- CE Compliant
- ISO 9001
- FM Compliant
- Government Approved Videoscope

WHAT'S INCLUDED:

- VIDEOSCOPE-XT UNIT
- RECHARGEABLE LI-ION BATTERY
- BATTERY CHARGER & AC ADAPTER
- SD MEMORY CARD
- HARD ABS CARRY CASE
- USER MANUAL



CONTACT US:

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VIDEOSCOPE XT TECHNICAL DATA SPECIFICATION

PRODUCT CHARACTERISTICS	SPECIFICATION
EXPLOSION PROTECTION	UL Class I Div 2, ATEX Certified, MIL-STD-810G
PROBE DIAMETERS	4mm, 6mm, 8mm
WORKING LENGTHS	1.5m to 10m (up to 33 ft)
DISPLAY	5" TFT, VGA (640x480), Sunlight-Readable
ARTICULATION	4-Way Tip, 360° Rotation, Tactile Control
DISPLAY SIZE:	5.0" (12.7 cm) TFT colour
DISPLAY RESOLUTION:	VGA (640 x 480 Pixel)
OPERATING SYSTEM:	Real-time operating system, with on-screen menu
USER INTERFACE:	Direct action keys / function keys / arrow keys
LANGUAGES:	English, German, Polish, French, Spanish, Italian, Turkish
VIDEO INTERFACE:	Composite video-out (BNC)
POWER SUPPLY, PRIMARY:	Rechargeable Li-ion battery (charger and battery are provided in delivery set)
POWER SUPPLY, SECONDARY:	12V adapter (optional accessories)
VIDEO FORMAT:	MPEG4 (.avi) (with time and date stamp)
IMAGE FORMAT:	BMP (.bmp) (with time and date stamp)
STORAGE:	SDHC memory card up to 32 GB (FAT32) (8 GB is provided in delivery set)
ERGONOMICS:	± 90° rotatable display unit, alt. ±90° rotatable scope handle
SYSTEM WEIGHT:	1.35 kg
DIMENSIONS:	180 mm x 105 mm x 45 mm
TIP OPERATING TEMPERATURE:	-13° F to 176° F (-25° C to +80° C) / 284° F (140° C) less than 5 Minutes
SYSTEM OPERATING TEMPERATURE:	-13°F to 115°F (-25°C to +46°C)
STORAGE TEMPERATURE:	-13°F to 140°F (-25°C to +60°C)
RELATIVE HUMIDITY:	95 % max. - non condensing
WATERPROOF:	Probe and distal end up to 14.7 psi (1 bar- 10.2 m H2O)
RESISTANCE:	Probe and distal end to oils and saline (5%)
HOUSING:	Rugged PU, with integrated rubber shock caps



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