

EOD VII EXPLORER VIDEOSCOPE SYSTEM



Explore the difference Videoscopy with the flexiscope explorer

Flexiscope Explorer, a fully mobile videoscope system featuring four-way articulation and length up to 7 metres, providing a powerful remote vision tool for aircraft engine inspection. It can capture still images and video sequences. It features a 10.4" TFT/LCD colour monitor, fully integrated 50-watt metal halide light source, interchangeable objective tips, an auxiliary TFT color monitor that couples to the videoscope head, and videoscope lengths up to 7 metres (standard 3m).

» FEATURES

- Fully mobile video system with probes up to 7 meters long
- Brilliant crystal clear photos
- Extremely high illumination
- Excellent flexibility due to the probe tip which bends in four directions
- Automatic brightness control
- Video files in AV1 format (320x240), still images in JPEG format (640x480)
- SD card, document your inspection with one-touch recording of photos or videos
- User controls: white balance, Gain control, window-function, image zoom, image rotate
- 10.4" TFT monitor, position adjustable, 640 (H) x 480 (V) resolution
- 100-250 V AC, or 12 V Accubag
- Weight: 7KG

» APPLICATIONS

- **Turbines**
Videoscopes are inserted into special inspection holes. This allows for routine inspection of the combustion chamber without disassembly.
- **Industrial**
To check hollow cavities of casted parts for cracks, residue, or burrs. The ability to perform non-destructive internal inspection is invaluable for a variety of projects.
- **EOD/IEDD**
In recent years, the need for search and bomb disposal (EOD / IEDD) has increased considerably to counter terrorist activities.



» COMPONENTS

- **Fully mobile Video Workstation -**
with built-in 50W metal halide illumination, 10.4" flip up TFT daylight viewable monitor, still and video recording onto SD card, controls for white balance, image zoom and rotate, 12 VDC or 100-250 VAC.
- **Video Fiberscope -**
Diameter 8mm, length 3000mm with 4-way tip angulation (4 x 120°) and Forward Viewing (0°) objective with 45° Field of View. Interchangeable Objective for 8mm Videoscope Forward view (0°) with 80° Field of View.
- **Rechargeable Compact Battery -**
12V Lead Acid Battery Pack complete with protection pouch and shoulder strap, charger and connecting leads.

» PRODUCT CODES

3-299-075 Flexiscope Explorer (PAL) - full mobile Video Workstation with still and video recording onto SD card (SD incl.), controls for white balance, image zoom and rotate, 10.4" flip up TFT monitor with built-in 50W metal halide illumination. Video Fiberscope diameter 8mm, length 3000mm with 4-way tip angulation (4x120°) and Forward Viewing (0°) objective with 45° Field of View. Interchangeable Objective for 8mm Videoscope Forward view (0°) with 80° Field of View, plus Accubag Battery pack and charger.

3-299-076 Flexiscope Explorer (NTSC) - full mobile Video Workstation with still and video recording onto SD card (SD incl.), controls for white balance, image zoom and rotate, 10.4" flip up TFT monitor with built-in 50W metal halide illumination. Video Fiberscope diameter 8mm, length 3000mm with 4-way tip angulation (4x120°) and Forward Viewing (0°) objective with 45° Field of View. Interchangeable Objective for 8mm Videoscope Forward view (0°) with 80° Field of View, plus Accubag Battery pack and charger.

» TECHNICAL SPECIFICATIONS

■ Base Unit

Control Panel	White balance Gain (3 presets) Window function (4 presets) Zoom (1.5x, 2x, 3x) Image rotation (0° and 180°)
Camera System	PAL or NTSC
Video Outputs	1x S-Video (Y/C) 1x Video (CVBS)
Digital Output	USB 2.0
Display	10.4" TFT Resolution: 640 (H) x 480 (V)
Media	SD memory card Record and view videos in AVI format (320 x 240) Record and view still images in JPEG format (640 x 480)
Light Source	50 W metal halide
Power Supply	100-250 V AC, 50/60 Hz or 12 V battery operation for mobile use
Operating Temperature	0°C up to +40°C
Dimensions	305 x 140 x 305mm (W x H x D)

■ Battery Pack & Charger

The FSC Accubag is an efficient and mobile 12 Volt battery pack.

Technology Battery	Lead-acid battery, maintenance-free and leak proof
Output Voltage	12 V
Capacity	7.0 Ah
Operating Time	45 minutes
Charge Time	15 Hours
Weight	3.5Kg (inc. Carrying Bag)
Operating Temperature	-15°C up to +50°C



■ Contact Details

Winkelmann (UK) Ltd.
Unit 59, Rowfant Business Centre
Wallage Lane, Rowfant, Near Crawley
West Sussex RH10 4NQ UK
T: +44 (0) 1342 719024
F: +44 (0) 1342 719030
E: sales@winkelmann.co.uk
W: www.winkelmann.co.uk