

EOD IX Tactical Search Kit



Features

- Multi-functional search kit comprising under door camera & videoscope
- Interchangeable super lightweight monitor featuring bright 2.5" TFT display
- Up to 2 hours operating time from integrated battery pack
- Rigidizer, collapsible rigid tube rapidly converts videoscope into pole camera
- 4-way tip articulation, diameter 8.0mm, working length 1000mm
- High resolution CCD camera technology, producing stunning picture quality
- Miniature 3W LED Light source
- Under door camera (UDC) with integral optics, ultra low light CCD camera
- Clear covert views can be obtained in rooms with limited ambient light (UDC)

Applications

- Covert observations and investigations
- Homeland security, SWAT & tactical task forces
- Optical remote visual search and inspection
- Tactical search, special task forces
- Observe tactical situations from a secure position
- Search and rescue
- Physical security and inspection

All items are stored in a tactical system case for maximum portability



Technical Specifications

Under Door Camera	
Image sensor	1/4" B&W Super-HAD CCD
Resolution	400 TV lines
Pixel count	250,000 pixels
Sensitivity	0.005 Lux
Video signal	RS-170
FOV (Field of View)	70° (fore-oblique)
DOV (Direction of View)	15° (forward)
Depth of view	250mm (9.8") to infinity
Weight	390g (0.86 lb)
Power	12V DC
Under Door Camera Dimensions	
Insertion tongue	Length 135mm (5.3"), Height 6mm (0.23"), Width 35mm (1.38")
Hub	Length 95mm (3.74"), Height 40mm (1.57"), Width 73mm (2.87")
Videoscope (B&W)	
Diameter	8.0mm
Tip articulation	4-way (160° up, 130° down, ± 100° left / right)
Length	1000mm
Outer covering	Tungsten on PU
Direction-of-view (DOV)	0°
Image sensor	1/4" B&W Super-HAD CCD
Environmental conditions	
Probe operating temperature	-10°C to +80°C (+14°F to 176°F)
Relative humidity	95% max. - non condensing
Liquid proof / waterproof	Probe and distal end up to 14.7 psi (1 bar / 10.2m H2O)
Hazardous environments	Not rated for use in hazardous environments
Light Source (LED light handle)	
Voltage input	6V (4x 1.5V AAA batteries)
Lamp type	3W LED
AVG lifetime	5000h
Operating/storage temperature	-20°C to +45°C
Operation humidity	0% to 95%
Atmospheric pressure	700 mbar to 1060 mbar
Weight	330g
Interchangeable Lightweight Monitor	
B&W LCD monitor	6.35cm (2.5") TFT
Display resolution	234x160 pixels
Housing	ABS plastics and rubberized edges
Dimensions	86x69x29mm
Weight	150g/0.3lbs
Power supply	875mAh integrated Li-Polymer rechargeable battery
Operation time	up to 2h
Battery status indicatoræ«	green, yellow, red
Voltage input	12V
Operation/storage temperature	-20°C to +45°C
Operation relative humidity	0% to 95%
Operation atmospheric pressure	700hpa to 1060hpa
Complete System	
Total weight of all items in transit case	7.5Kg
Dimensions	57x38x25mm

EOD IX Tactical Search Kit



Legend:

- 1:** High resolution CCD camera chip recessed into tongue
- 2:** Under door camera (UDC) hub
- 3:** 6.35cm (2.5") TFT screen
- 4:** ABS plastics and rubberised edges
- 5:** Miniature 3W LED light source (handle)
- 6:** Semi-flexible gooseneck video signal connector
- 7:** Integrated 4-way probe control provides micro adjustment shifts



The EOD IX Tactical Search Kit uses advanced remote imaging technology, specifically designed to assist law enforcement, prisons, special task forces with covert surveillance in hard to reach places under normal or insufficient lighting conditions.

The EOD IX Tactical Search Kit comprises a portable under door camera, robust videoscope with 4-way tip articulation, 2.5" LCD monitor, rigidizer for pole camera use all necessary chargers, power supplies and outdoor carrying case.

The under door camera (UDC) can be used to survey rooms without the camera being visible to room occupants, clear covert views can be obtained in rooms with limited ambient light. The UDC features microelectronic integral optics (CCD camera) in the leading edge of the camera tongue. The black and white image sensor with ultra low light settings provides excellent images to the bright 2.5" LCD monitor.

The super lightweight monitor features a bright 2.5" TFT display to view live inspection images from the UDC or flexible videoscope. The slim display enables the user to carry out inspections conveniently and effortlessly in remote or inaccessible places, or in confined spaces. No matter what environment its Gooseneck allows the user to position the screen for any viewing angle.

The ergonomic lightweight videoscope with 4-way articulation control has been engineered for comfortable operation even during prolonged operations. Navigating tight paths has never been easier.

A high resolution CCD image sensor is the core element of the

videoscope producing clear images. Given the tactile 360° articulation control, the distal end tip can easily, quickly and accurately be manoeuvred into any position.

The rigidizer is a rigid stainless steel tube mounted directly to the handle of the videoscope. When connected the videoscope can be used as a conventional pole camera with 4-way tip deflection.

Technology

The UDC utilizes advanced, high performance technology, a tiny CCD camera has been built into the leading edge of the camera tongue. This image sensor provides high resolution black and white images which are viewed on the interchangeable lightweight monitor.

The videoscope probe tip is articulated with a control lever in the hand-piece which conveys each movement instantaneously, precise and directly. Each contact that is made in the inspection object can be felt, this simplifies the orientation in any cavity.

Light is transmitted from the 3W LED light handle through optical fibers inside the instrument to the object being viewed. ■



Rigidizer quickly converts videoscope into pole camera

Warranty

The EOD IX comes with a return-to-base warranty against defective materials and workmanship for a period of 2 years from delivery.

After Sales Support

Technical Support business hours (GMT)
Monday – Friday 8.30am – 5.30pm
E: technicalsupport@winkelmann.co.uk

Training

Winkelmann and its partners are able to offer training in the operation of products – contact us today for more information.

Product Code

EOD IX Tactical Search Kit – Full Systems

3-299-110 EOD IX Tactical Search Kit consisting of under door camera (15° fwd), 2.5" slim interchangeable LCD monitor with integral battery pack, semi-flexible Gooseneck video signal connector, videoscope with 4-way tip articulation ($\pm 100^\circ$ L/R, 160° U, 130° D), DOV 0° , diameter 8.0mm, working length 1000mm, tungsten on PU, rigidizer (rigid tube to straighten flexible videoscope), 3W LED light handle, video cable, AC adapter 12V DC/5.0A, all necessary chargers and power supplies, guidance manual and carrying case

3-299-111 EOD IX Tactical Search Kit consisting of under door camera (15° fwd/90° up)

For further information contact

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