



Videoscope IRis MIL

Art.-No.: 1190075



The iRis MIL Intelligent Remote Inspection System - extremely compact dimensions, minimal weight and optimal handling are the outstanding attributes of the iRis MIL Videoscope System. Inspections in remote or inaccessible areas of the harsh environments now are feasible in no time and with an undreamed easiness. Only little efforts and iRis MIL is ready for use within seconds.

You can move the distal end to any desired position fast, easy and precisely, thanks to the approved tactile 4-way articulation of up to 360°. Adjustable and interchangeable objectives with different fields of view, f-stops and working distances as well as the high brightness of the LED light source guarantee, that you don't miss any detail on the 5" high resolution TFT display.

The integrated, changeable and rechargeable high power batteries assure 2 hours of operating time. The balanced handle - designed for real-handed operation - allows long and effortless working.

The iRis MIL Inspection System is a "ready-to-go" Video Kit which includes the iRis MIL and LED light sources IR and white (blue LED light source optional available). It comes with charger and neck-holder in a robust case.

Features

- Specially made for EOD
- IR (Infrared), White and Blue LED light
- Light sensitive Black & White sensor
- Noiseless articulation control
- 5" high-resolution display
- Rotatable Monitor
- Excellent image quality
- Ergonomic handle
- Bright and high-contrast display
- Made in Germany

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Specifications

Operating unit

Display size:	5.0" (12.7cm) TFT colour
Display resolution:	VGA (640x480 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 accessory)

Documentation

Video format:	MPEG4 (.avi) (with time and date stamp)
Image format:	BMP (.bmp) (with time and date stamp)
Storage:	SDHC memory card up to 32GB (FAT32) (8GB provided in delivery)

Camera control

Image sensor:	Black & White Super-HAD CCD
Image typ:	CCIR B/W (291.000 effective Pixel)
Senisitivity:	0.005 Lux

Image control

Zoom:	16 step digital zoom
Invert:	Horizontal and vertical image inversion
Brightness:	Adjustable
Contrast:	Adjustable
Text annotation:	Built-in text overlay generator

Illumination

Interchangeable LED light source IR, white, blue
Light Transmission Fiberoptics

Probe

Diameter:	8.0 mm
Working length:	1.5 - 3 m
Articulation (bending neck):	4-way / 360° control
Articulation feature:	noiseless and tactile
Articulation angle* L/R U/D:	100°/100° 160°/130°
Integrated objective lens:	90° FOV
DOF:	5 mm to infi nity
Braid:	Multi-layer tungsten braid on PU jacket

Construction

Ergonomics:	± 90° rotatable display unit, alt. ±90° rotatable scope handle
System weight:	1.35 kg
Dimensions:	180 mm x 105 mm x 45 mm
Housing:	Rugged PU, with integrated rubber shock caps

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Operating environment

Tip operating temperature: -25°C to +140°C (-13°F to 284°F)
 System operating temperature: -25°C to +46°C (-13°F to 115°F)
 Storage temperature: -25°C to +60°C (-13°F to 140°F)
 Relative humidity: 95% max. - non condensing
 Carrying Case: 550 mm x 360 mm x 240 mm / 6.2 kg

Available Models

Model	Probe Diameter (mm)	Probe Lenth (m)	Article No.
iRis MIL 4-8-150	8	1.5	1190075-15
iRis MIL 4-8-200	8	2.0	1190075-20
iRis MIL 4-8-300	8	3.0	1190075-30

Available Options

- Light Source Blue (Artikle No.: 1190075-03)