

iRis *DVR*X

The innovative Videoscope



Large Display
In-Built LED
Fast and easy to use
Up to 6 hours operation

Portable
90 Degree Side View Tip Adapter
Economical Repair Service

iRis DVR X

Portable Videoscope System



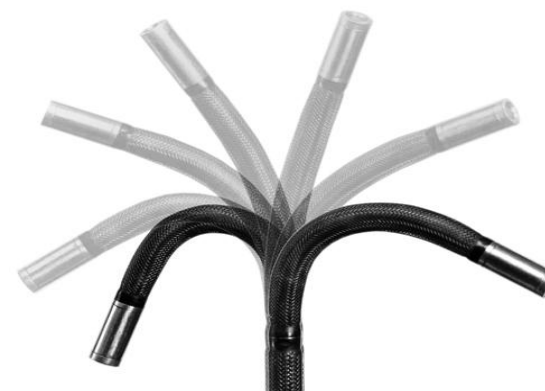
Tactile feedback

Thanks to the non-motorized infinite joystick control, users can navigate the probe responsively with tactile feel and precise tip positioning.

+ Extrem economical

Large Display
LED-Beleuchtung
Fast and easy to use
Up to 6 hours operation

Portable
90° Side View Tip Adapter
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Documentation unit

Display size:	5.0" (12.7cm) TFT colour
Display resolution:	VGA (640 x 480 pixel)
Operating system:	Realtime operating system, with on-screen menu
	Direct action keys / function keys / arrow keys
Language:	English, German, Polish, French, Spanish, Italian, Turkish
Video interface:	Composite video-out (BNC)
Power supply, primary:	Rechargeable Li-ion Akku
Power supply, secondary:	12V Adapter (optional accessory)
Storage	
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)

Image analysis

Method:	Comparative Measurement
Camera	
Image sensor:	AIT CMOS Image sensor
Camera control:	White balance, AGC level, Gamma, Shutter, Gain Control, Langzeitbelluminationung

Image control

Functions:	- 16 steps digital zoom - Horizontal and vertical image inversion - Brightness - Contrast - Colour
Text annotation:	Built-in text overlay generator

Probe

Diameter:	4.0mm	6.0mm
Working length:	1.5 - 4.0m	1.5 - 7.5m
Articulation:	4-way / 360°	4-way / 360°
Integrated objective:	90° FOV	90°FOV
Side view tip adapter:	-	X
Braid:	Multi-layer tungsten braid on PU jacket	

Illumination

Type:	High power LED (4mm with high transmission fibreoptics / 6mm - LED on the tip)
Illumination control:	3 steps
Colour temperature:	approx. 6500k
Average lamp lifetime:	approx. 5000h

Construction

Ergonomics:	± 90° rotatable display, alt. ±90° rotatable handle
Weight:	1,35Kg
Dimensions:	180mm x 105mm x 45mm
Housing:	Rugged PU, with integrated rubber shock caps
Tip operating temperature:	-13°F to 176°F (-25°C to +80°C)
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% less than - non condensing
Waterproof:	Probe and distal End up to 1 bar- 10.2m H2O
Resistance:	Probe and distal End to oils and saline (5%)

MADE IN GERMANY

IT Concepts designs and manufactures worldwide with over 500 highly qualified and motivated employees electronic and optomechanical assembly groups and systems.

The product range extends from individual components for industrial and medical endoscopes over to video endoscopic systems and solutions for Remote Visual Inspection and Security.

For more than 10 years IT Concepts develops and produces all endoscopes „Made in Germany“ at the European headquarters Lahnau near Wetzlar, the City-of-Optics.

The top priority for the entire team in Lahnau is to provide customers with expertise and excellent service

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