



iRis DVR X Portable Videoscope System



+ Extrem economical

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

Portable
90° Side View Tip Adapter
Economical Repair Service

Tactile feedback

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



Documentation unit

Display size:	5.0" (12.7cm) TFT colour
Display resolution:	VGA (640x480 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 und distales End up to 1 bar- 10.2m H2O
Resistance:	Probe und distales End to oils and saline (5%)