

iRis XT

Videoendoscope System



- MIL-STD-810G with Change 1, Method 511.6, Procedure I
- Atex Category 3
- Class I, Division 2, Groups A, B, C, and D Hazardous Locations

Technical Data

iRis XT

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
Power supply, primary:	Rechargeable Li-ion battery (charger and battery are provided in delivery set)

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 is provided in delivery set)

Camera control

Image sensor:	Advanced chip on the tip image sensor
White balance:	Factory default or user defined

Image control

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

Illumination

Type:	High-power LED with high transmission fiber optics
Illumination control:	3 steps
Colour temperature:	approx. 6500k
Average lamp lifetime:	approx. 5000h

Probe

Diameter:	4.0mm	6.0mm	8.0mm
Working length:	1.5 - 4.0m	1.5 - 7.5m	1.5 - 7.5m
Articulation (bending neck):	4way 360° control	4way 360° control	4-way 360° control
Integrated objective lens:	120° FOV	90°FOV	90°FOV
Braid:	Durable multi-layer tube with tungsten braid on PU jacket		

Operating environment

Tip operating temperature:	-25°C to +80°C
System operating temperature:	-25°C to +46°C
Storage temperature:	-25°C to +60°C
Relative humidity:	95% - non condensing
Waterproof:	Probe and distal end up to 14.7 psi (1 bar- 10.2m H2O)
Resistance:	Probe and distal end to oils and saline (5%)
Carrying Case	508mm x 373mm x 147mm / 4,5kg

Manufacturer's Data

Country of Origin	Germany
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IT Concepts LLC 1244-B Quarry Lane Pleasanton, CA 94566 USA	IT Concepts GmbH Gewerbestraße 17 35633 Lahnau Germany	A/O IHTEK Prospect Metallistov 96 195221 Saint-Petersburg Russland	IT Concepts APAC Pte Ltd 11 Lorong 3 Toa Payoh #01-13 Block B Jackson Square Singapore 319579 Singapur
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