



- 5" Display hochauflösend
- Schwenkbarer Monitor
- Fokussierbare Wechselobjektive
- Brillante Bildqualität
- Ergonomischer Handgriff

- High Power LED Lichtquelle
- Temperaturbeständig bis 140°C
- Exakte Sonden-Steuerung
- Helles und kontrastreiches Display

- 5" high-resolution display
- Rotatable Monitor
- Focusable interchangeable lenses
- Excellent image quality
- Ergonomic handle

- High Power LED light source
- Temperature resistant up to 140°C
- Precise articulation control
- Bright and high-contrast display

iRis **DVR** 5

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
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)

Measurement

Method:	Comparative Measurement
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Camera control

Image sensor:	High resolution Super HAD CCD image sensor
White balance:	Factory default or user defined
AGC level (gain control):	Adjustable
Gamma:	Adjustable

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 fiberoptics
Illumination control:	3 steps
Colour temperature:	approx. 6500k
Average lamp lifetime:	approx. 5000h

Probe

Diameter:	4.0mm	6.0mm	8.0mm
Working length:	4.9 - 13.1ft (1.5 - 4.0m)	4.9 - 24.6ft (1.5 - 7.5m)	4.9 - 49.2ft (1.5 - 15.0m)
Articulation (bending neck):	4-way / 360° control	4-way / 360° control	4-way / 360° control
Integrated objective lens:	X	-	-
Interchangeable objective lens:	-	X	X
Side view tip adapter:	X (with 60° FOV lens)	X	X
Braid:	Multi-layer tungsten braid on PU jacket		

Construction

Ergonomics:	± 90° rotatable display unit, alt. ±90° rotatable scope handle
System weight:	1,35Kg
Dimensions:	180mm X 105mm X 45mm
Housing:	Rugged PU, with integrated rubber shock caps

Operating environment

Tip operating temperature:	-13°F to 176°F (-25°C to +80°C) (284°F/140°C less than 5 Minutes)
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% max. - non condensing
Waterproof:	Probe and distal end up to 14.7 psi (1 bar- 10.2m H ₂ O)
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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Interchangeable Objective Lenses & SVTA

PROBE	DOV	FOV	DOF	CODE
4.0mm	0°	60°	7-50mm	
4.0mm	0°	60°	4-10mm	SD
4.0mm	0°	90°	15mm-∞	
4.0mm	0°	90°	10-30mm	SD
4.0mm**	90°	60°	5-45mm	SVTA
6.0mm	0°	60°	5mm-∞	BLACK
6.0mm	0°	60°	8mm-∞	YELLOW-B
6.0mm	0°	90°	5mm-∞	RED
6.0mm	0°	120°	3mm-∞	GREEN
6.0mm**	90°	60°	5-15mm	SVTA-CF
6.0mm**	90°	60°	15-50mm	SVTA-FF
8.0mm	0°	28°	25mm-∞	BLUE
8.0mm	0°	60°	5mm-∞	BLACK
8.0mm	0°	60°	8mm-∞	YELLOW-B
8.0mm	0°	90°	8mm-∞	SILVER-B
8.0mm	0°	90°	5mm-∞	RED
8.0mm**	90°	60°	5mm-∞	SVTA

DOV = Direction of View

FOV = Field of View

DOF = Depth of Focus

SVTA = Side View Tip Adapter

** Compatible to FOV60 °

CF = Close Focus

FF = Far Focus

B = Bright objective lens

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