iRis DVRX
The innovative Videoscope
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QuickStart
Switch on and start. It's that simple.
No cables, no plugs, no long booting
process, no warm-up phase.

Digital video recording
Records every single movement of a
component, fully digitally, in brilliant
video quality.

Image capturing
At the push of a button, high-res
inspection images are captured and
stored on SDHC memory card.

3.5x zoom
Thanks to the 3.5 times zoom,
users won't miss any detail
of the visual inspection.

Measurement
The iRis DVR
X
uses the comparative
measurement method to determine
the size of a damaged spot.

Image annotation
By means of the integrated text
generator, information can be directly
written on the inspection image.

SmartView
The SmartView technology allows
an external monitor or display to be
connected to the iRis DVR
X
and
enables viewing by a second person.

Adjustable light intensity
3-stage adjustable LED prevents
overexposure, suppresses image
noise arising from readjustment
of camera electronics.

Camera control
The iRis DVR
X
has different camera
modes to provide well-balanced
inspection images, even in extreme
situations.

On-screen menu
Even first time users are intuitively
guided through the on-screen menu.

Up to 32GB storage
Approx. 32,000 images or 500 hours
of video recording fit onto a 32GB
SDHC memory card.

Mains power supply
The iRis DVR
X
can also be powered
with an AC adapter connected to
mains power.

Robust and reliable
Only high-grade materials are used in
the iRis DVR
X.

Future Camera Technology
iRis DVR X
The innovative Videoscope

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: AVI (.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: x 3.5
Invert: Horizontal and vertical image inversion
Brightness: Adjustable
Contrast: Adjustable
Colour: Adjustable
Text annotation: Built-in full screen text overlay generator

Illumination
Type: High-power LED (4mm fiber / 6mm - LED on the tip)
Illumination control: 3 steps
Colour temperature: approx. 6500K
Average lamp lifetime: approx. 500h

Probe
Diameter: 4.0mm / 6.0mm
Working length: 4.9 - 13.1ft (1.5 - 4.0m) / 4.9 - 13.1ft (1.5 - 7.5m)
Articulation (bending neck): 4-way / 360° control / 4-way / 360° control
Articulation angle* L/R | U/D: 100°/100° | 100°/100° / 100°/100° 160°/130°
Integrated objective lens: 90° FOV
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
Protection class: IP53

Operating environment
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% max. - 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%)
Carring Case: 508mm x 373mm x 147mm / 4.5kg

Manufacturer’s Data
Country of Origin: Germany

*Note: articulation angle may vary depending on diameter-length combination of the probe.