

iRis *DVR* XT

ATEX Videoscope

II 3 G Ex ic nA IIC T4 Gc
-25°C ≤ Ta ≤ +45°C



iRis **DVR**XT

ATEX Videoscope

Future Camera Technology

Unique benefits and features



5.0" / 12.7cm display
The large integrated display (5.0" / 12.7cm) on the iRis DVR X videoscope system provides outstanding razor-sharp images.



Advanced image sensor
An advanced state of the art "chip" on the tip" image sensor is the core element of the iRis DVR X and provides a high image quality.



At least 6h operation time
Rechargeable high-capacity battery extends uninterrupted operation time up to 6 hours (6mm version). This is 3 times longer compared to most other portable systems.



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



2.97lb / 1.35Kg
The iRis DVR X is one of the lightest portable videoscopes on the market. Compact dimensions and the robust design are further outstanding features.



360° ergonomic
The iRis DVR X is the world's first portable videoscope with a 360° rotating.



Short rigid distal end
A very short rigid distal end enables extreme manoeuvres while guiding the probe through tight and small radius manoeuvrability.



High Power LED
The LEDs are integrated into the tip and are characterised by their superior high-intensity white light.



Please note: the product representation corresponds to the original product size (scale 1:1)

Advanced benefits and features



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.



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



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.



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



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



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



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



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. The extremely pliable articulation section ensures precision in control and provides maximum articulation angles.



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.

iRis **DVR** XT

ATEX Videoscope

II 3 G Ex ic nA IIC T4 Gc
 $-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$

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 asseccory)

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. 5000h

Probe

Diameter:	8.0mm	6.0mm
Working length:	1.5 - 7.5m	1.5 - 7.5m
Articulation (bending neck):	4-way control	2-way control
Articulation angle* L/R U/D:	100°/100° 100°/100°	100°/100° 160°/130°
Integrated objective lens:	90° FOV	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

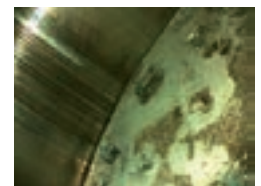
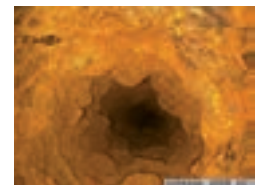
Operating environment

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 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
-------------------	---------

Inspection images



Comm-Co B.V.
 Kreekzoom 9, 4561 GX, Hulst
 The Netherlands
 Tel: +31 114-370030
 Email: info@comm-co.com

COMM-CO
 Communication today and tomorrow