

iRis DVR X

Videoscope

APPLICATIONS

ENGINEERING & MANUFACTURING

The iRis DVR X allows engineers to check for blockages and general condition thus minimizing downtime and optimizing planned maintenance. Examine drains, sewer pipes, pumps, gearboxes, compressors, boilers, heat exchangers, headers, valves and HVAC ducts.

ELECTRIC POWER GENERATION

Both fossil and nuclear power plants use iRis DVR X Videoscopes to inspect vital equipment such as turbines, pipelines, condenser tubes, pumps, boilers, heat exchangers, valves, pressure vessels and many other items of plant.

AUTOMOTIVE

The iRis DVR X is perfect for automotive inspections. See inside engines, transmissions, between panels and other difficult to see areas. The small 4.0 and 6.0mm (.155 and .236in) probes easily fit in tight spaces where other automotive borescopes will not go.

SECURITY

The iRis DVR X is used effectively for bomb disposal (EOD / IEDD), counter terrorist activities, Hostage situations, smuggling of drugs, illegal aliens and other contraband. The portable and simple design is perfect for the search of buildings, vehicles, ships, aircraft, freight and difficult to access areas.

FEATURES

- Digital Zoom
- Video Recording
- Stilling Capture
- Removable 32GB SD Card
- Text Annotation
- Water Proof
- 6 Hour Battery Power
- Adjustable 360 Rotating LCD
- Powerful LED Illumination

ACCESSORIES

- Support Arm
- Rigid Guide Tube
- SD Card
- Spare Battery

AVAILABLE DIAMETER

4mm | 0.155in 6mm | .236in

AVAILABLE LENGTH

1.0 to 7.5M
3.3 to 24.6Ft



PRIMARY FEATURES

LARGE 5.0" DISPLAY

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

6 HOUR BATTERY OPERATING 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.

360° ERGONOMIC DESIGN

The iRis DVR X is the world's first portable videoscope with a 360° rotating LCD. This allows you to comfortably position the LCD.

AFFORDABLE

The iRis DVR X is the most affordable industrial grade videoscope on the market. Fully featured, portable and an intelligent design make for an excellent value.

FOR MORE
INFORMATION



iRis DVR X Specifications

OPERATING UNIT

Display size	5.0" (12.7cm) TFT color
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. 10 Hour Operating Time
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
Color	Adjustable
Text annotation	Built-in full screen text overlay generator

ILLUMINATION

Type	High-power LED (4mm fiber / 6mm - LED on the tip)
Illumination contro	3 steps
Color temperature	6500k
Average lamp lifetime	5000h

PROBE

Diameter	4.0mm and 6.0mm
Working length	4.0mm = 4.9 - 13.1ft (1.5 - 4.0m), 6.0mm= 4.9 -13.1ft (1.5 - 7.5m)
Articulation	4-way / 360° control 4-way / 360° control
Articulation angle	L/R U/D: 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 (2.9 Lb)
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
Carrying Case	508mm x 373mm x 147mm / 4,5kg



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