

# iRis DVR X

## Videoscope

### 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.



### 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 in) 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.

### AVAILABLE DIAMETER



4.0mm | 0.155in 6.0mm | 0.236in

### AVAILABLE LENGTH

1.0 to 7.5 M  
3.3 Ft to 24.6 Ft

### 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

# iRis DVR X

## Videoscope

### 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 control:	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