



iRis DVR 5 Portable Videoscope System



- Bright and high-contrast display
- Excellent image quality
- Rotatable Monitor
- Ergonomic handle
- Precise articulation control
- High Power LED light source
- Temperature resistant up to 140°C

Focusable and interchangeable objectives lens and side view tip adapters



| 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 |

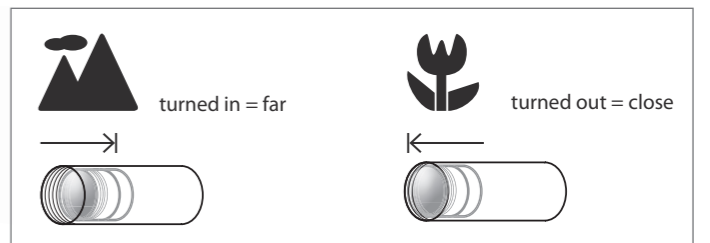
Tactile feedback

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



SMART-FOCUS

Close focus and far focus



DOV = Direction of view CF = Close focus FOV = Field of view FF = Far focus DOF = Depth of focus B = Bright objective lens SVTA = Side view tip adapter (90°DOV) **Compatible to FOV60°

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 |
| | 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 accessories) |
| 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) |

Image analysis

| | |
|----------------------|---|
| Method: | Comparative Measurement |
| Camera | |
| Image sensor: | High resolution Super HAD CCD image sensor |
| Camera control: | White balance, AGC level, Gamma, Shutter, Gain Control, Time exposure |
| Image control | |
| Functions: | - 16 step digital zoom - Horizontal and vertical image inversion - Brightness - Contrast - Colour |
| Text annotation: | Built-in text overlay generator |

Probe

| | | | |
|----------------------------|---|--------------|--------------|
| Diameter: | 4.0mm | 6.0mm | 8.0mm |
| Working length: | 1.5 - 4.0m | 1.5 - 7.5m | 1.5 - 7.5m |
| Articulation: | 4-way / 360° | 4-way / 360° | 4-way / 360° |
| Integrated objective lens: | X | - | - |
| Interchangeable objective: | - | X | X |
| Side view tip adapter: | X (60° FOV) | X | X |
| Braid: | Multi-layer tungsten braid on PU jacket | | |

Illumination

| | |
|------------------------|---|
| Type: | High-power LED with high transmission fiberoptics |
| Illumination control: | 3 steps |
| Colour temperature: | approx. 6500 k. |
| Average lamp lifetime: | approx. 5000 h |

Device

| | |
|-------------------------------|---|
| Ergonomics: | ± 90° rotatable display, alt. ±90° rotatable handle |
| Weight: | 1.35Kg |
| Dimensions: | 180 mm X 105 mm X 45 mm |
| Housing: | Rugged PU, with integrated rubber shock caps |
| Tip operating temperature: | 140°C less than 5 Minutes -25°C to +80°C |
| System operating temperature: | -25°C to +46°C |
| Storage temperature: | -25°C to +60°C |
| Relative humidity: | 95% less than - non condensing |
| Waterproof: | Probe und distales End up to 1 bar- 10.2m H2O |
| Resistance: | Probe und distales End to oils and saline (5%) |