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**i**CONCEPTS  
IMAGING SOLUTIONS



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# iRIS 7 PRO

## Videoscope System



## Technical data

### iRIS 7 PRO

|                          |  |
|--------------------------|--|
| Display size:            | 7.0"                                       |
| Display resolution:      | 1024x600 Pixel                             |
| Operating system:        | EIOS (Endoscopic Imaging Operating System) |
| interface:               | USB  |
| Power supply, primary:   | Rechargeable Li-ion battery                |
| Power supply, secondary: | 12V adapter (optional accessories)         |
| Storage:                 | intern 16GB / USB (16GB in delivery)       |
| Video format:            | MPEG4 (.avi)                               |
| Image format:            | BMP (.bmp), JPEG (.jpg), PNG (.png)        |

### ILLUMINATION

|                       |   |
|-----------------------|---|
| Typ                   | High-power LED with faseroptic<br>High-power LED on the TIP |
| Illumination control: | 3 steps   |

### OTHER DATA

|                               |   |
|-------------------------------|---|
| Ergonomics:                   | ± 90° rotatable display, alt. ±90° rotatable handle       |
| Weight:                       | 1.65Kg (+/- depende on probe diameter and working length) |
| Dimensions:                   | 430 mm x 187 mm x 104 mm                                  |
| Housing:                      | Rugged PU with rubber shock protection                    |
| Tip operating temperature:    | -25°C to +80°C / 140°C less than 5 Minutes                |
| System operating temperature: | -25°C to +46°C  |
| Storage temperature:          | -25°C to +60°C  |
| Relative humidity:            | 95% less than - non condensing                            |
| Waterproof:                   | Probe and distal End up to 1 bar- 10.2m H2O               |
| Resistance:                   | Probe and distal End to oils and saline (5%)              |
| Sensor                        | High resolution Super HAD CCD image sensor                |

### PROBES (mm)

|                                | 4.0       | 6.0       | 8.0       |
|--------------------------------|-----------|-----------|-----------|
| Working length (m)             | 1.0 - 4.0 | 1.0 - 7.5 | 1.0 - 7.5 |
| Articulation                   | 4-way     | 4-way     | 4-way     |
| Integrated objective lens      | •         | -         | -         |
| Interchangeable objective lens | -         | •         | •         |
| Side view tip adapter          | •         | •         | •         |

| 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     |

