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iCONCEPTS
IMAGING SOLUTIONS

iRIS 7 PRO

Videoscope System



Technical data

iRIS PRO

| | |
|--------------------------|--|
| Display size: | 7.0" |
| Display resolution: | 1280x800 pixel |
| Operating system: | EIOS (Endoscopic Imaging Operation 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) |

IMAGE ANALYSIS

| | |
|---------|-------------------------|
| Method: | Comparative Measurement |
|---------|-------------------------|

ILLUMINATION

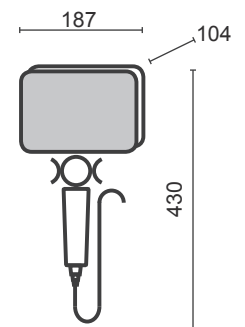
| | |
|-----------------------|---|
| Typ | High-power LED with faseroptic High-power LED on the TIP (6mm X PRO) |
| Illumination control: | 3 steps |

OTHER DATA

| | |
|-------------------------------|--|
| Ergonomics: | ± 90° rotatable display, alt. ±90° rotatable handle |
| Weight: | 1.65Kg (+/- depece 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: | 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 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 (2-way/4-way) | 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 |



IT Concepts LLC | 1244-B Quarry Lane | Pleasanton, CA 94566 | USA

IT Concepts GmbH | Gewerbestraße 17 | 35633 Lahnau | Germany

Intech | Prospect Metallistov 96 | 195221 Saint-Petersburg | Russland

IT Concepts APAC Pte Ltd | 11 Lorong 3 Toa Payoh | #01-13 Block B Jackson Square | Singapore 319579 | Singapur