

XLED

The Modular Videoscope



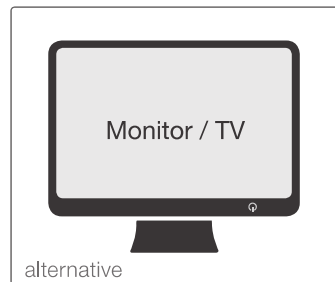
Small Diameter - 3.0 and 4.0mm
Clear images by high resolution sensor
LED Lighting for low power consumptions

Direct view & Side view
Faster and more economical repair

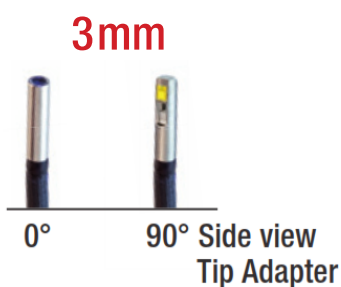
XLED Scalable Modular Videoscope System



iCapture DVR



alternative



3mm

0° 90° Side view
Tip Adapter

+ Small diameter - 3.0 and 4.0mm

Perfect price performance ratio
Clear images by high resolution sensor
LED lighting for low power consumptions

Direction of view 0° direct and 90° Side view
Faster and more economical repair and service



XLED

Documentation unit

Display size:	5.0" (12.7cm) TFT Colour
Display resolution:	VGA (640 x 480 pixel)
Operating system:	Realtime operating system, with on-screen menu
	Direct action keys / function keys / arrow keys
Language:	English, German, Polish, French, Spanish, Italian, Turkish
Video interface:	Composite video-out (BNC)
Power supply, primary:	Rechargeable Li-ion Akku
Power supply, secondary:	12V Adapter (optional accessory)

Storage

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
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Camera settings

Functions:	White balance, AGC level, Gamma, Shutter, Gain Control, Time exposure
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Image control

Functions:	- 16 steps digital zoom - Horizontal and vertical image inversion - Brightness, contrast, colour
Text annotation:	Built-in text overlay generator

Device

Ergonomics:	rotatable display
Weight:	1.12kg
Dimensions:	205mm x 180mm x 70mm
Housing:	Rugged PU, with integrated rubber shock caps
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% less than - non condensing

X-LED Video interface

Connectable to:	iTool DVR , iCapture DVR, USB Frame Grabber, Composite Video
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Camera

Image sensor:	AIT CMOS Image sensor
Camera control:	Automatically

Probe

Braid:	Multi-layer tungsten on PU jacket
Tip operating temperature:	-13°F to 176°F (-25°C to +80°C)
System operating temperature:	-13°F to 150°F (-25°C to +46°C)
Storage temperature:	-13°F to 140°F (-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%)

Probe

Diameter:	3.0 and 4.0mm	3.0 and 4.0mm
Working length:	1.5m	1.5m
Articulation:	2 way	2 way
Articulation L/R:	130°/130°	130°/130°
Integrated objective:	90° FOV	90° FOV
Weight:	90° version 280g	0° version 500g
Dimensions:	220 x 40 x 60mm	290 x 50 x 50mm

Illumination

Type:	DOV 90° side view LED on the tip	DOV 0° LED with fiberoptic
Control	ON/OFF	ON/OFF
Colour temperature:	approx. 6500k	approx. 6500k
Average lamp lifetime:	approx. 500h	approx. 5000h

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The product range extends from individual components for industrial and medical endoscopes over to video endoscopic systems and solutions for Remote Visual Inspection and Security.

For more than 10 years IT Concepts develops and produces all endoscopes „Made in Germany“ at the European headquarters Lahnau near Wetzlar, the City-of-Optics.

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