

XLED

Système vidéo Endoscope



Modules:

Documentation technique

+ 2 x imposable vidéo Endoscope

+ source de lumière LED intégrée

Les versions:

sondes de diamètre 3mm ou 4mm

vue 90° ou 0°

Technical Data

XLED S

Camera

Image sensor:	Advanced chip on the tip image sensor
Camera Control Unit:	Intelligent image enhancement control
Input Voltage:	12 VDC
Power Consumption:	1,3 A

Illumination

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

Probe

Diameter:	3.0 mm and 4.0 mm	3.0 mm and 4.0 mm
Working length:	*3,3 ft (1.5 m)	*3,3 ft (1.5 m)
Articulation (bending neck):	2-way	2-way
Articulation angle* L/R:	130°/130°	130°/130°
Integrated objective lens:	90° FOV	85° FOV
Braid:	Multilayer tungsten braid on PU jacket	

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 - 10.2 m H2O)	
Resistance:	Probe and distal end to oils and saline (5 %)	
Weight:	90° version 280 g	0° version 500 g
Dimensions:	220 mm x 40 mm x 60 mm	290 mm x 50 mm x 50 mm

iCapture DVR

Documentation unit

Display size:	5.0" (12.7cm) TFT Colour
Display resolution:	VGA (640x480 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:	V 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