



REMOTE VISUAL INSPECTION

Videoscope Systems

Customers Solution

Videoscopes from 3mm Ø

Flexible Endoscopes from 0.5 mm Ø

Rigid Endoscopes from 1.9 mm Ø

Application Consulting

Special Service Packages

Manufacturing and Service in Germany

iTool DVR IWC **WORKING CHANNEL** Scalable

Modular Videoscope System



iTool DVR **UV** Illumination Scalable

Modular Videoscope System



Video interface

Connectable to:	• iTool DVR	• iCapture DVR	• USB Frame Grabber	• Composite Video
Diameter:	4.0mm		6.0mm	8.0mm
Working length:	1.5m - 4.0m		1.5m - 15m	1.5m - 15m
Articulation:	4-way / 360°		4-way / 360°	4-way / 360°
Integrated objective:	x	-	-	-
Interchangeable Objectives:	-	x	x	x
Working channel (IWC)	-	-	x	x
UV version	-	x	x	x
Side view tip adapter:	o (**60° FOV)	x	x	x
Braid:	Multi-layer tungsten on PU jacket			
Tip operating temperature:	- 13°F to 176°F (-25°C to +80°C) 140°C less than 5 Minutes			
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			
Waterproof:	Probe and distal End up to 1 bar- 10.2m H ₂ O			
Resistance:	Probe and distal End to oils and saline (5%)			

Interchangeable Objectives and Side View Tip Adapter SVTA

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

Probe	DOV	FOV	DOF	CODE
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

DOV = Direction of view
 FOV = Field of view
 DOF = Depth of focus
 SVTA = Side view tip adapter (90°DOV)

CF = Close focus
 FF = Far focus
 B = Bright objective lens

**Compatible to FOV60°

MADE IN GERMANY

IT Concepts designs and manufactures worldwide with over 500 highly qualified and motivated employees electronic and optomechanical assembly groups and systems.

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.

The top priority for the entire team in Lahnau is to provide customers with expertise and excellent service

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