

Innere Sicherheit

Visuelle Technologien für BOS und Sicherheitsdienste

Homeland Security

Visual Technologies for Security and Defense



Verstecke von Drogen, Schmuggelware, Sprengstoff oder Waffen werden immer raffinierter. Gestohlene Fahrzeuge sind immer schwieriger zu identifizieren, vor allem wenn die Zeit drängt. Für Fahnder und Zoll-Einsatzeinheiten, Eingreifkommandos und SEKs sind tragbare und handliche Aufklärungsmittel daher unverzichtbar. Operative und taktische Aufklärungsmittel zur Gefahrenabwehr von IT Concepts sind erprobte, robuste und widerstandsfähige. Sie werden von diversen Organisationen, wie Polizei, Zoll und Militär, seit Jahren weltweit eingesetzt. IT Concepts - Ihr Partner für Technologien zur Wahrung der inneren Sicherheit. Der IT Concepts Verbund entwickelt und produziert weltweit mit über 500 hochqualifizierten und motivierten Mitarbeitern optische, feinmechanische und elektronische Komponenten, Baugruppen und Systeme. Die Produktpalette reicht von Einzelkomponenten für technische und medizinische Endoskope, über Videoendoskopie-Systeme, bis zu Systemen und Technologien zum Schutz der inneren Sicherheit.

Hiding places for drugs, contraband, explosives and weapons become more and more ingenious. Stolen automobiles are increasingly difficult to identify, especially when time is short. Therefore manageable means of inspection, surveillance and reconnaissance are indispensable for investigators and security agencies. Operative and tactical means for danger prevention by IT Concepts are approved, sturdy and hard wearing. They have been in use for years in great quantities by military in crises regions, police and customs all over the world. ITC your partner in technologies for preserving homeland security.

The ITC Group develops and produces optical, electronic and precision components, assembly groups and systems with more than 500 highly skilled employees. The product line-up ranges from single components for single endoscopes and complete video systems technologies for homeland security.

iRis MiL SECURITY



iRis MiL

SECURITY

Operating unit

Display size: 5.0" (12.7cm) TFT colour D
 Display resolution: VGA(640x480 pixel)
 Operating system: Real-time operating system, with on-screen menu
 User interface: Direct action keys / function keys / arrowkeys
 Languages: English, German, Polish, French, Spanish, Italian, Turkish
 Video interface: Composite video-out (BNC)
 Power supply, primary: Rechargeable Li-ion battery (charger and battery are provided in delivery set)
 Power supply, secondary: 12V adapter (optional accessory)

Documentation

Video format: MPEG4 (.avi) (with time and date stamp) Im
 Image format: BMP (.bmp) (with time and date stamp)
 Storage: SDHC memory card up to 32GB (FAT32) (8GB provided in delivery)

Camera control

Image sensor: Black & White Super-HADCCD
 Image type: CCIR/B/W(291.000 effective Pixel)
 Sensitivity: 0.005 Lux

Image control

Zoom: 16 step digital zoom
 Invert: Horizontal and vertical image inversion B
 Brightness: Adjustable
 Contrast: Adjustable
 Text annotation: Built-in text overlay generator

Illumination

Interchangeable Light Source
 Light Transmission

Probe

Diameter: 8.0mm
 Working length: 1.5 - 3 m
 Articulation (bending neck): 4-way / 360° control
 Articulation feature: noiseless and tactile
 Articulation angle* L/R| U/D: 100°/100° | 160°/130°
 Integrated objective lens: 90° FOV
 DOF: 5 mm to infinity
 Braid: Multi-layer tungsten braid on PU jacket

Construction

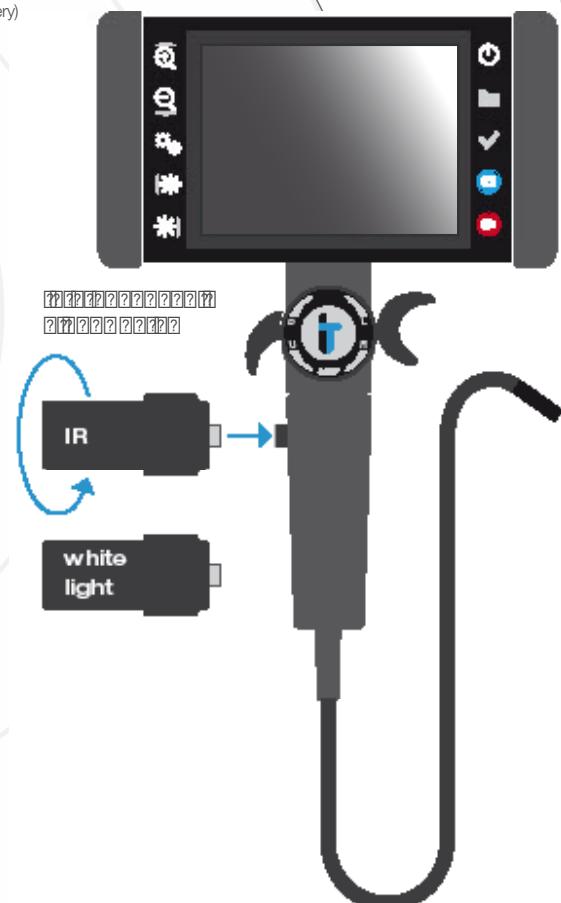
Ergonomics: ± 90° rotatable display unit, alt. ± 90° rotatable scope handle S
 System weight: 1,35Kg
 Dimensions: 180mmx 105mmx 45mm
 Housing: Rugged PU, with integrated rubber shock caps

Operating environment

Tip operating temperature: -13°F to 284°F (-25°C to +140°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
 Carrying Case: 550mmx 360mmx 240mm/ 6,2kg

Manufacturer's Data

Country of Origin: Germany



IR Under Door kit

SECURITY



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IR Under Door kit

SECURITY

Operating unit

Display size: 5.0 (12.7cm) TFT colour
 Display resolution: VGA(640x480 pixel)
 Operating system: Real-time operating system, with on-screen menu
 User interface: Direct action keys / function keys / arrow keys
 Languages: English, German, Polish, French, Spanish, Italian, Turkish
 Video interface: Composite video-out (BNC)
 Power supply, primary: Rechargeable Li-ion battery (charger and battery are provided in delivery set)
 Power supply, secondary: 12V adapter (optional accessory)

Documentation

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) (8GB is provided in delivery set)

Camera control

Image sensor: 1/4 Black & White Super -HADCCDIm
 age typ: CCIR/B/W(291.000 effective Pixel)
 Sensitivity: 0.005 Lux
 Special function: automatic frame integration

Image control

Zoom: x 3.5
 Invert:
 rightness:
 contrast:
 Text annotation: Built-in text overlay generator

Illumination

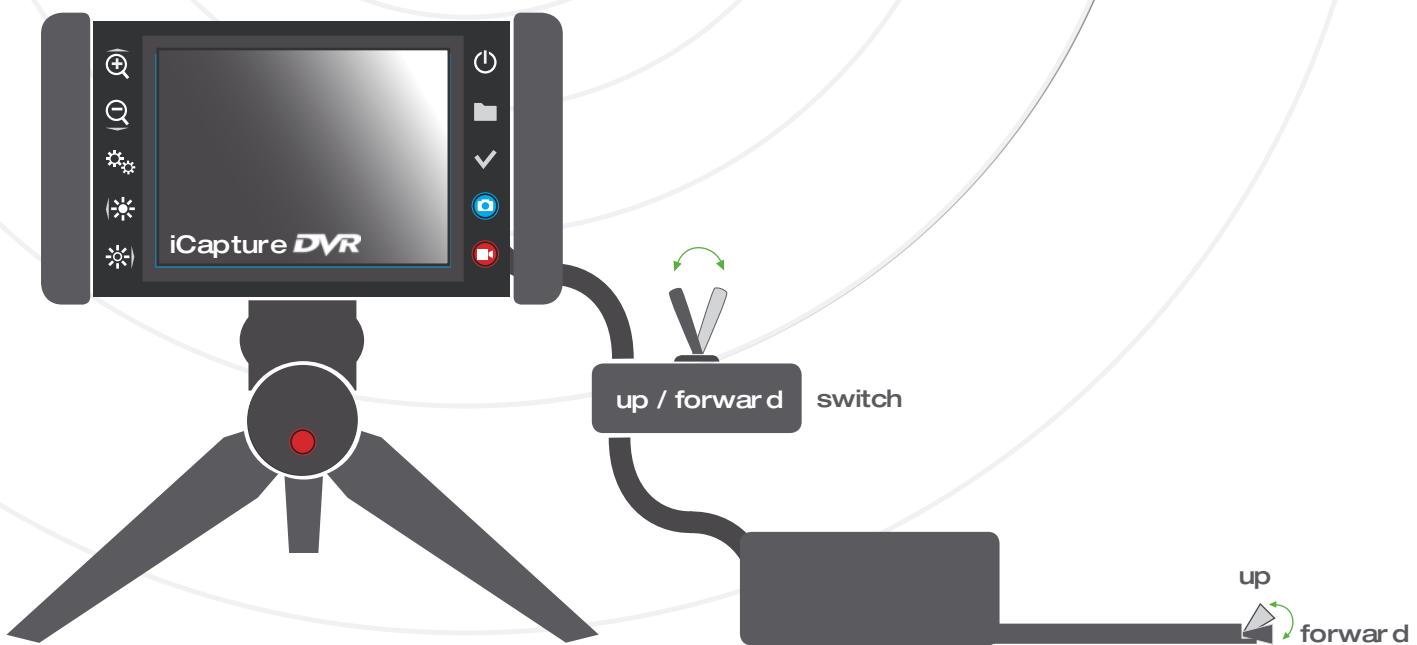
Interchangeable LED
 Wavelength: 940nm
 Power Dissipation: 630 mW Forward
 420 mW Up

Under Door Blade

Height: 6.0 mm
 Length: 134 mm
 weight: 390 g
 Direction of viewDOV: 15°

Manufacturer's Data

Country of Origin: Germany



flexLED

SECURITY



Technical Data

Probe		DOV:	0°
Diameter:	6mm	FOV:	60°
Articulation:	2-way	Pixel:	12000
Length:	1,5 - 2,7m	Light Source:	High power LED

iRis XT SECURITY



iRis XT

SECURITY

Operating unit

Display size:	5.0 (12.7cm) TFT colour
Display resolution:	VGA(640x480 pixel)
Operating system:	Real-time operating system, with on-screen menu
User interface:	Direct action keys / function keys / arrow keys
Languages:	English, German, Polish, French, Spanish, Italian, Turkish
Power supply, primary:	Rechargeable Li-ion battery (charger and battery are provided in delivery set)

Documentation

Video format:	MPEG4 (.avi) (with time and date stamp) I
Image format:	BMP (.bmp) (with time and date stamp) S
Storage:	SDHC memory card up to 32GB (FAT32) (8GB is provided in delivery set)

Camera control

Image sensor:	Advanced chip on the tip image sensor W
White balance:	Factory default or user defined

Image control

Zoom:	16 step digital zoom
Invert:	Horizontal and vertical image inversion B
rightness:	Adjustable
Contrast:	Adjustable
Colour:	Adjustable
Text annotation:	Built-in text overlay generator

Illumination

Type:	High-power LED with high transmission fiber optics
Illumination control:	3 steps
Colour temperature:	approx. 6500K
Average lamp lifetime:	approx. 5000h

Probe

Diameter:	6.0mm	8.0mm
Working length:	1.5 - 3m	1.5 - 3m
Articulation (bending neck):	2way	4-way / 360° control
Integrated objective lens:	90° FOV	90°FOV
Braid:	Multi-layer tungsten braid on PU jacket	

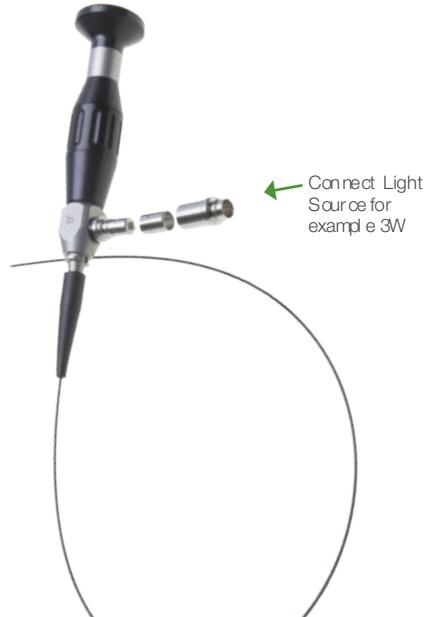
Operating environment

Tip operating temperature:	-13°F to 176°F (-25°C to +80°C) S
System operating temperature:	-13°F to 115°F (-25°C to +46°C) S
Storage temperature:	-13°F to 140°F (-25°C to +60°C) R
Relative humidity:	95% max. - non condensing
Waterproof:	Probe and distal end up to 14.7 psi (1 bar - 10.2mH ₂ O) R
Resistance:	Probe and distal end to oils and saline (5%)
Carrying Case	508mm x 373mm x 147mm / 4.5kg

Manufacturer's Data

Country of Origin	Germany
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microFlex SECURITY



microFlex Gasfaserendoskope enthalten einen optischen Bildleiter aus hochflexiblen, dünnen und parallelen einzelnen Glasfasern. Dadurch sind scharfe und hochauflösende Bilder mit hoher Farbtreue für professionelle Aufklärung gewährleistet. Ein fokusierbares Okular passt das optische System an die Sehschärfe des Betrachters an.

The microFlex contain an optical image guide made of highly flexible, thin and parallel single fibres. This assures sharp and high-resolution pictures with high colour fidelity for professional tactical search. A focusable ocular adjusts the optic system to the visual acuity of the viewer.

Probe Ø	0	m	m	0.5	0.7	0.9	1.2	1.4	1.6
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Working Length	customized length up to 2000mmB								
ending Radius	min. 20 mm								
D oV	0°								
FoV	70°								
Pixel	6000	6000	6000	6000	10000	10000			
Braid	PU								

iFlex SECURITY



Durch die besonders biegsame Abwinkelungseinheit im Bereich des Sondenkopfes lässt sich das iFlex Gasfaserendoskop sehr präzise steuern und maximal abwinkeln. Dies ist besonders bei Einsätzen von Vorteil, bei denen das Endoskop durch enge Räume geführt werden muss.

The extremely durable and pliable articulation section ensures that the iFlex Fiberscope is very precise in control and provides maximum articulation angle

Probe Ø	Length m (Articulation)	DoV (FoV)	Pixel (Braid)
2.4mm	0.4m (2-way) 0° (45°)	6000 (Tungsten)	
	0.7m (2-way) 0° (45°)	6000 (Tungsten)	
	1.0m (2-way) 0° (45°)	6000 (Tungsten)	
	1.3m (2-way) 0° (45°)	6000 (Tungsten)	
	0.7m (2-way) 0° (50°)	8000 (Tungsten)	
3.5mm	1.0m (2-way) 0° (50°)	8000 (Tungsten)	
	1.3m (2-way) 0° (50°)	8000 (Tungsten)	
	1.5m (2-way) 0° (50°)	8000 (Tungsten)	
	1.0m (2-way) 0°/90° (50°)	11500 (Tungsten)	
	1.3m (2-way) 0°/90° (50°)	11500 (Tungsten)	
4.0mm	1.5m (2-way) 0°/90° (50°)	11500 (Tungsten)	
	2.0m (2-way) 0°/90° (50°)	11500 (Tungsten)	
	1.0m (2-way) 0°/90° (60°)	12000 (Tungsten)	
	1.5m (2-way) 0°/90° (60°)	12000 (Tungsten)	
	2.0m (2-way) 0°/90° (60°)	12000 (Tungsten)	
6.0mm	2.7m (2-way) 0°/90° (60°)	12000 (Tungsten)	
	1.0m (4-way) 0°/90° (60°)	12000 (Tungsten)	
	1.5m (4-way) 0°/90° (60°)	12000 (Tungsten)	
	2.0m (4-way) 0°/90° (60°)	12000 (Tungsten)	
	2.7m (4-way) 0°/90° (60°)	12000 (Tungsten)	
8.0mm	1.0m (4-way) 0°/90° (60°)	16000 (Tungsten)	
	1.5m (4-way) 0°/90° (60°)	16000 (Tungsten)	
	2.0m (4-way) 0°/90° (60°)	16000 (Tungsten)	
	2.7m (4-way) 0°/90° (60°)	16000 (Tungsten)	



Made in
Germany

A bis Z KAWA-TEC GmbH
Davidschalg 44
4202 Kichschlag b. Linz
Tel.: +43 732 99 70 83
Fax: +43 732 99 70 83 20
Mail: office@kawa-tec.at