

# XPA

Industrial Videoscope



Made  
in  
Germany

**New!**

# XPA

The unique Device Conception combines Portability with off the line and wireless Operating in one System. The XPA provides high-contrast Images with the push of a button.

## Handle

All electronic and mechanic Components are united in the sturdy Housing. The integrated Lithium Polymer rechargeable Battery supplies the maintenance-free 3W LED Light Source and the 2.5" TFT Display. The very direct Control of the Distal End is carried out by mechanical Levers on the Handle. Every Contact of the Probe to the Surrounding is immediately tactile, what simplifies Navigating in the Object.



### Integrated Display

Images on the 2.5" TFT Display can optimal be viewed even with light incident or with a bigger angle of vision. For a professional Documentation a diversity of IT Concepts' Documentation Devices such as the USB Frame Grabber or the iTool Video Imaging Hub can optionally be connected to the Video Out Interface.

### Integrated Probe Control

Precise, sturdy and safe. The approved 2-Way Control permits particular short Adjustment Travels and a tactile Zero Point Setting. This Mechanic avoids damages of the Scope and coherent Repair Costs and Downtimes.

### Integration of Light and Power

Economical and innovative with bright Light. The integrated 3W LED Light Source with 3 Step Adjustment assures optimal Illumi- nation of the Inspection Object. With 1.5h Operating Time the rechargeable Li-Po Batteries power all electronic Components. The XPA can furthermore be powered with an external 12V Voltage Source while being charged at the same time.



640g

## Probe

With 5.0mm Probe Diameter being an extremely flexible and controllable Videoprobe allows you to guide the Endoscope precisely and to pass smallest radii. A Stainless Steel Spiral in the Inside of the 0.6m (available up to 1.5m) long Probe assures the necessary torsional strength and stiffness while at the same Time protecting it from pressure and pinches.

### Tip Articulation

Due to the extreme 2-way tip articulation (+180°/-100°) of the Distal End you are able to easily inspect retrograde e.g. a Valve Seat of a Internal Combustion Engine.

### Image Sensor and Objective

With 90° Field of View and focal Working Distance from 5mm to infinity the Objective provides the optical Basis for optimal Image Reproduction. The innovative HQ-Image Sensor affords true to life pictures with realistic Colour Reproduction and super- sedes conventional Fiberscopes with a 7 times higher Resolution.

### 5.0mm Probe Diameter

The sturdy and nonconductive PU Sheathing protects from permeation of Liquids, such as Water (IP68), mineral and synthetic Oils, Kerosene, Benzene and Diesel.



IT Concepts is the Specialist for professional Application Solutions in the Field of Visual Inspections. Since more than 20 Years the IT Concepts Group is developing and manufacturing innovative, efficient and extremely reliable Industrial Endoscope Systems, that are daily in use.

### XPA Handle

Display Size:	integrated 2.5" TFT Display
Video-Out:	Documentation / Archiving Images or Video's USB Framegrabber iTool DVR Imaging Hub iCapture <sup>smart</sup> Standard Monitor
Light Source:	LED with Fiberoptic
Light Intensity Control:	yes, 3 steps
Colour Temperature:	approx. 5000K
Lamp lifetime:	approx. 5000h
Input Voltage:	12VDC
Power Consumption:	1,3A
Battery Operation:	up to 1,5h
Mains Operation:	110V-240V / 50-60Hz
Housing:	ABS Plastic
Frame Construction:	Alloy
Weight:	640g incl. Probe
Measurements:	L 38cm x W 8cm x H 8cm
Temperature Environment:	-20°C bis +45°C
Relative Humidity:	0% bis 95% rh
Atmospheric Pressure:	700hpa - 1060hpa

### XPA Probe

Diameter:	5,0mm
Articulation:	2-way (+180°/-100°)
Working Length:	0,6m (1,0m - 1,5m on request)
Braid:	PU (Tungsten on request)
Field of View:	FOV 90°
Direction of View:	DOV 0°
Image Sensor:	CMOS 76.800 Pixel
Temperature Environment:	-10°C / +80°C
Relative Humidity:	0% - 95% rh
Pressure:	1,0at - 1,3at (H <sub>2</sub> O)
Liquid Tight:	Wasser Mineralische Öle Sythetische Öle Benzin Diesel Kerosin

