

[www.itcworld.com](http://www.itcworld.com)

**IT** CONCEPTS  
IMAGING SOLUTIONS

# VIDEOSCOPIES

## THE PROSERIES



The modular system  
with unlimited possibilities

# itcworld

We are not only a manufacturer, but also an experienced and competent solution provider worldwide.

Our flexibility provides you with unlimited leeway.

With over 500 highly qualified and motivated employees worldwide, the IT Concepts Association develops and produces electronic and opto-mechanical assemblies and systems. The product portfolio ranges from components for industrial and medical endoscopes to videoscope systems and solutions for professional visual inspection and safety technology.

## Production

Lahnau	Germany
Pleasanton CA	USA
St. Petersburg	Russia
Weliki Nowgorod	Russia

## Direct Sales

Germany
USA
France
Italy
Croatia EEMEA
India

## Sale Site

Lahnau	Germany
Pleasanton CA	USA
St. Petersburg	Russia
Singapore	Asia, Oceania

## Service

Lahnau	Germany, Europe, Eastern Europe, Middle East, Africa
St. Petersburg	Russia
Delhi	India
Pleasanton CA	North and South America
Singapore	Asia, Oceania

## Technology/Production

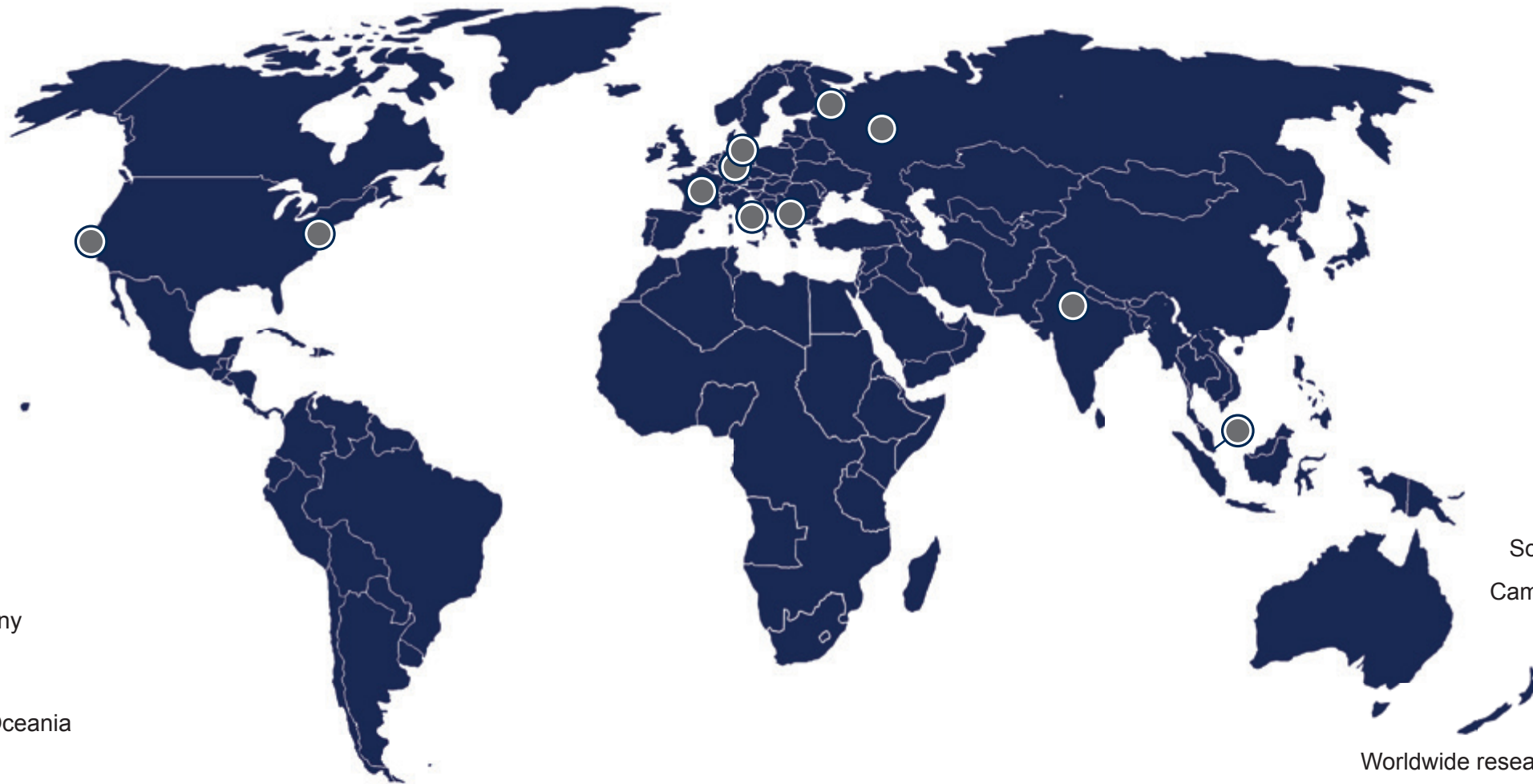
- Standard production
- Injection molded parts and tools
- Electroplating
- Rapid prototyping
- Glass fiber assembly
- Image guide technology
- Lenses, lens assemblies

## Imaging/Documentation

- CCD Micro Cameras
- CMOS Micro Cameras
- Documentation units
- Image guides
- Miniature lenses
- Software for biometric identification/analysis
- Camera technology for biometric identification

## Resources

- Worldwide research, development and production network
- Solid Works (3D CAD), Zemax (optical calculation)
- Microelectronics and camera manufacturers
- Image guide manufacturing
- Micro-optics manufacturing
- Development, production and assembly of precision tools
- Development, production and assembly of plastic parts
- Software development



# COMPACT/PORTABLE

Individually configured

Compact videoscope systems from IT Concepts create the optimal solution for your application. The modular system offers an extensive selection of probes with different diameters and working lengths as well as camera and light technologies. This results in a huge spectrum of configuration possibilities.

The perfect solution for your application is always possible!



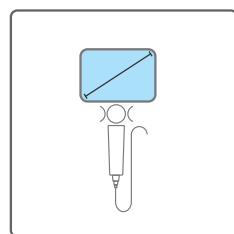
360°



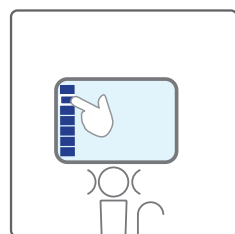
2.4 mm – 8mm diameter

1 m - 15 m operating length

4-way articulation



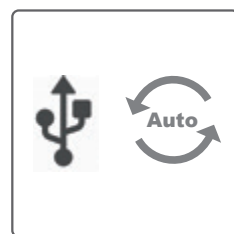
7" Touch display



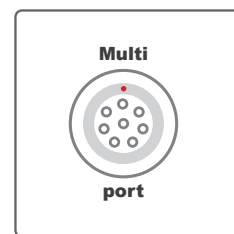
EIOS Software



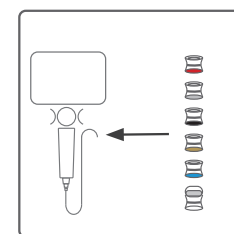
WiFi Live stream



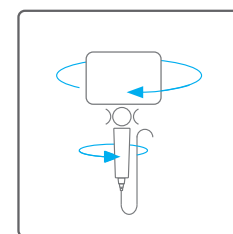
USB Auto-synchronisation



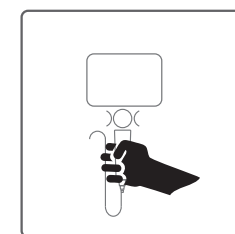
USB Analgo Video OUT



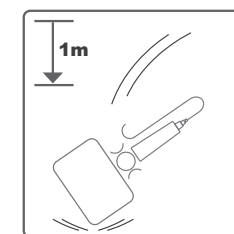
Interchangeable objectives



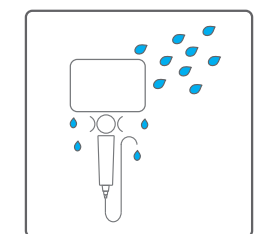
360° swivel monitor



Compact



Shock proof



Splash proof

# MODULAR/PORTABLE



Choose a base and endlessly combine and exchange

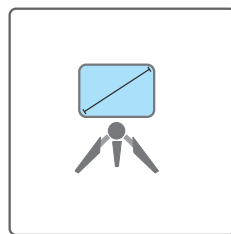
**The perfect solution for every field of application is always possible!**

The modular videoscope systems are infinitely variable due to the modular principle. The extensive selection of probes with different diameters and operating lengths as well as camera and light technologies form a huge spectrum of configuration possibilities.

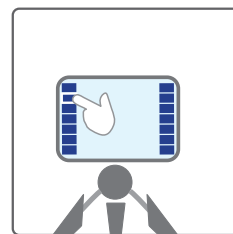


**2.4 mm – 8mm diameter**  
**1 m - 15 m operating length**  
**4-way articulation**

Your ideal system can be put together individually and then supplemented as required if the application requirements change.



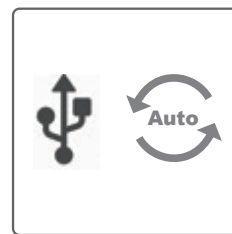
**7" Touch display**



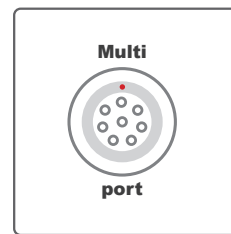
**EIOS Software**



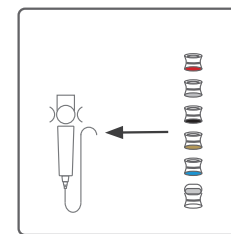
**WiFi Live stream**



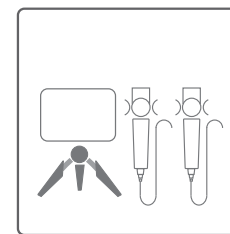
**USB Auto-synchronisation**



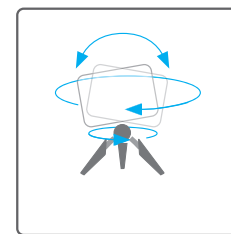
**USB Analo Video OUT**



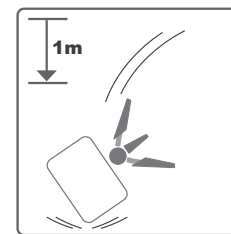
**Interchangeable objectives**



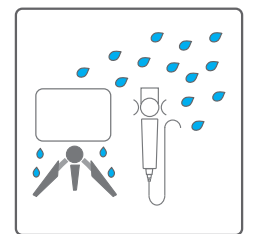
**Interchangeable probes**



**Swivel monitor**



**Shock proof**



**Splash proof**

# BASE

EIOS - One software controls everything



The new documentation platform forms the center of each videoscope system from the new PRO SERIES.

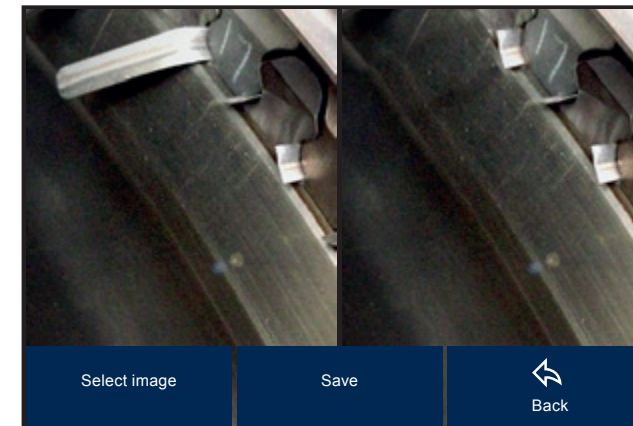
EIOS - the self-explanatory software can be operated completely intuitively via the touch display. All endoscopes from the PRO SERIES use it. The software has numerous functions to optimally evaluate and archive the acquired data as well as to forward it via USB or „wireless“.

## FULL SCREEN



The switchable full-screen mode provides even better visibility of the inspection image.

## SMART INSPECTOR



The Smart Inspector compares the stored images with the live image to detect changes in the object being inspected.

## DUAL VIEW



DUAL SCOPE  
DUAL SCOPE 0° view and 90° view  
simultaneously

## More useful setting options

- Livestream to mobile devices (Smartphone, Tablet, etc.)
- Watermark signature in stored images
- Extensive marking and labeling possibilities to support documentation, ...

# Configuration

Sonden-Durchmesser



Arbeitslängen



## COMPACT

**iRIS X PRO/ iRIS 7 PRO**  
Videoscope System



2-way / 4-way articulation  
2.4 | 3.0 | 4.0 | 6.0 | 8.0mm probe diameter  
Digital sensor/full format sensor  
Interchangeable objectives  
DUAL VIEW option

**iCAPTURE PRO**  
Documentation Unit



The iCAPTURE PRO / the HDMI PRO Box and the HDMI ZOOM Box can be combined and connected with all IT Concepts PRO video probes as well as all rigid and fiber endoscopes in combination with the CUBECAM PRO.

## MODULAR

**XLED PRO**  
Video Probe



**iLED PRO**  
Video Probe



**XLED 3**  
Video Probe



### Interchangeable probes

2-way / 4-way articulation  
2.4mm/ 3.0mm / 4.0mm/  
6.0mm/ 8.0mm probe diameter

Interchangeable objectives  
DUAL VIEW option

### \* Alternative to iCAPTURE



All probes can alternatively be used with a monitor for the use of the ZOOM function and with a touch monitor for the use of the EIOS software.

### \*\* Alternative to the Videoscopes

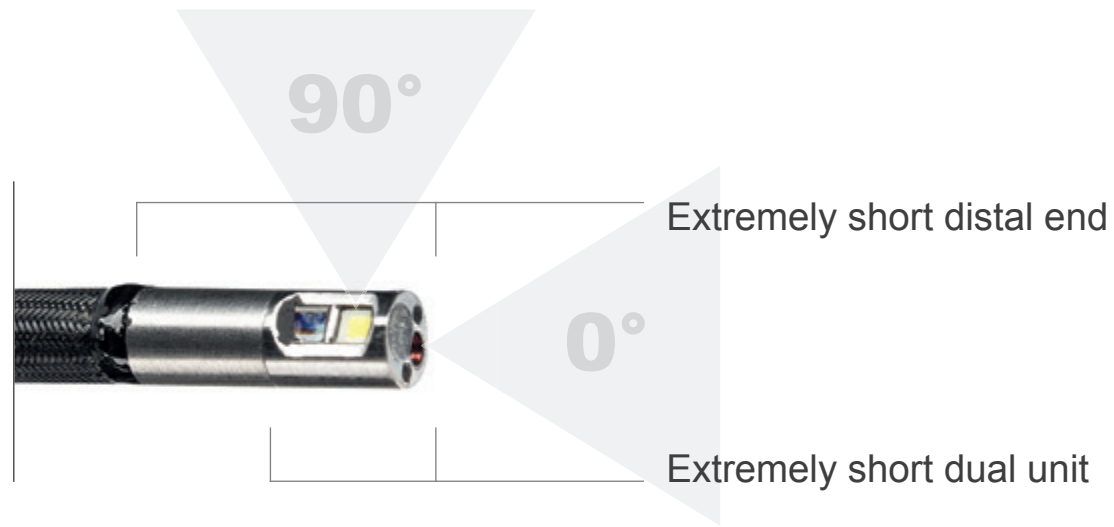


Rigid, semi-flexible and flexible endoscopes  
High precision / robust  
Extremely small probe diameter 0.5 - 9.0 mm combinable by adapter with CUBECAM PRO

The PRO SERIES allows endless variations. Choose a compact device for your special application. Or put together the right system for you for different areas of application and expand it if necessary.

# DUALVIEW

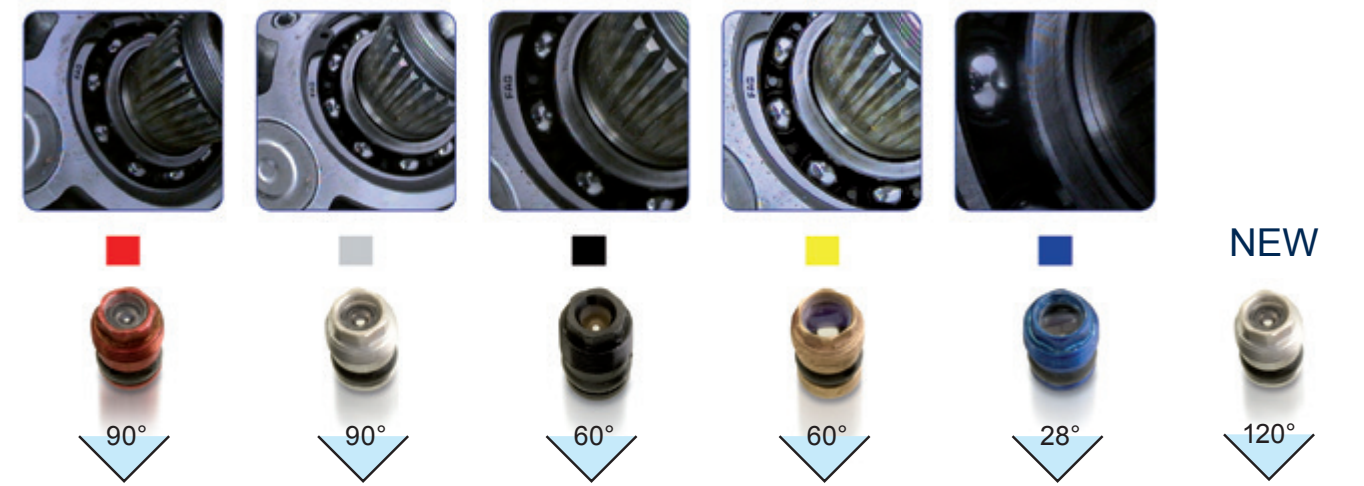
0° and 90° view simultaneously from 4 mm diameter



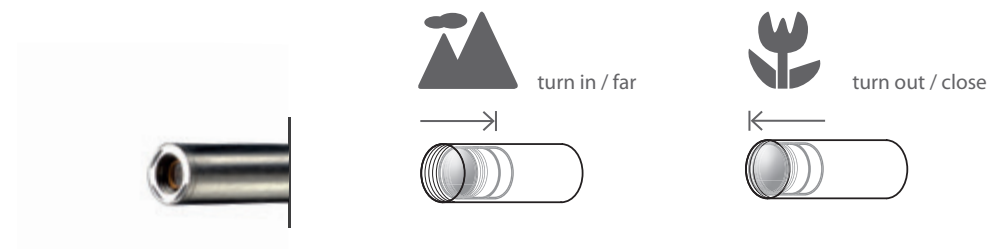
The side-mounted 90° camera is located directly at the distal end. Thus, dual vision is achieved without delay. The distal end is extremely short due to the compact design and therefore has the best possible navigation characteristics.

# Interchangeable objectives

For a multitude of requirements (6 and 8mm probe diameter)

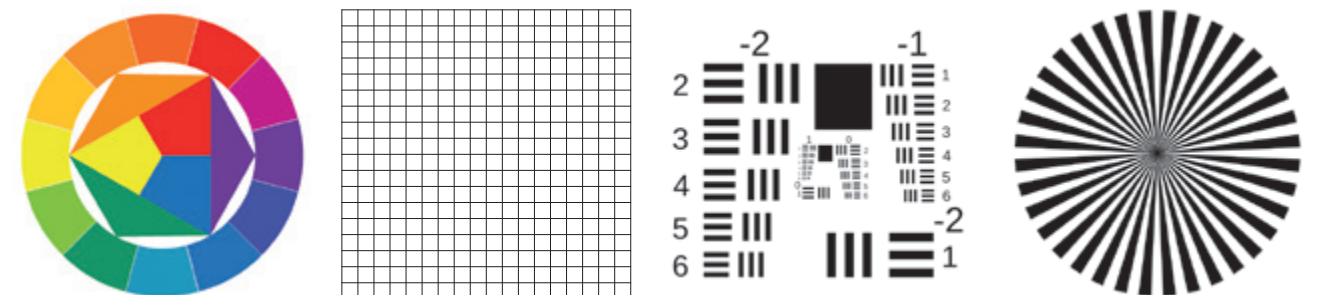


SMART FOCUS close-up and far focus by rotating the lens



Field of view, aperture values, working distance, ...

Get the best image with the right lens. The easily exchangeable interchangeable lenses are screwed into the probe head (without lengthening it). The working distance can be individually adjusted as needed.



# Transport

Packed, protected, stored



Select for your endoscope system:  
A compact case to carry or shoulder.  
The trolley with double bottom for a second endoscope system or storage space for accessories.

# SERVICE

As quickly as necessary or completed within 15 days at the latest



Our devices are designed for daily use in the industrial sector. They are an integral part of ongoing production and testing processes. It is therefore extremely important that no unnecessary downtimes occur during servicing.

We offer you a service tailored to your individual needs in order to keep your work processes running.

**Talk to us about it!**

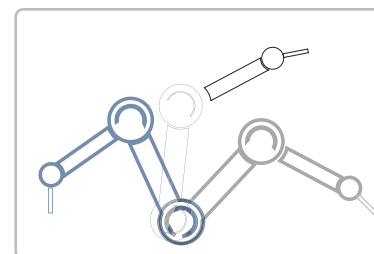
# Individual solutions

Tailored to your needs

You are looking for a suitable solution for your application.

The possible fields of application of industrial endoscopy and technical endoscopy are almost inexhaustible. We are sure that we have or can develop the right solution for your requirements. IT Concepts developer and manufacturer of:

- Miniature Cameras / Special Cameras
- Video electronics
- Camera assemblies
- Flexible image guide bundles
- Glass fibre and micro-optical components
- Optical and precision mechanical assemblies
- Borobotix (Automated Imaging)



**Tell us your requirements!**



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