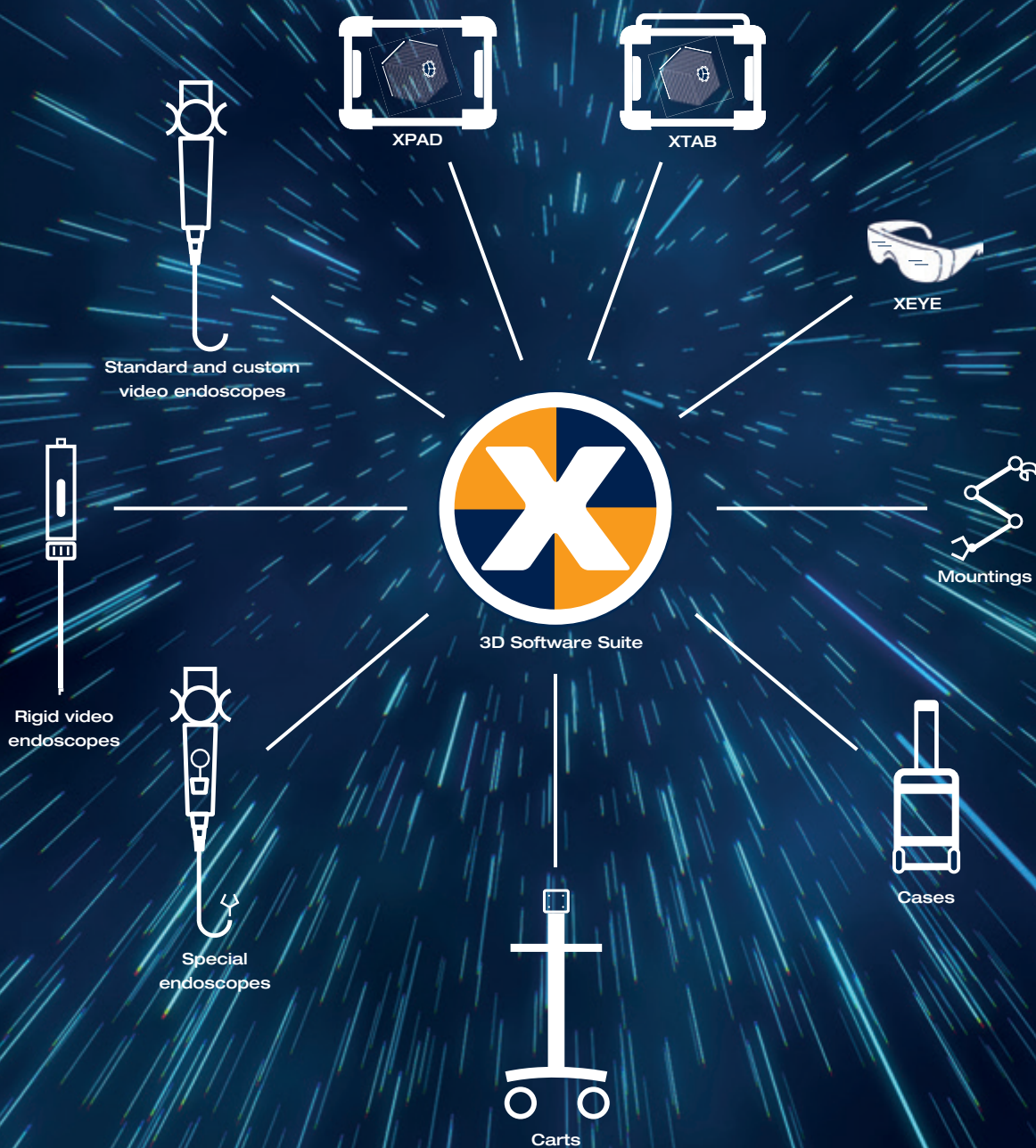


REAL 3D

REAL 3D | REAL INSPECTION | REAL VIEW



For your application

Videoprobes in a variety of versions. From rigid to Working channels with exchangeable tools.

iX3D iX3D mit REAL 3D



	4.0mm	6.0mm
Ø	4.0mm	6.0mm
Working length	from 1.5m	from 1.5m
Direction of view	0°/0° 90°/90°	0°/0° 90°/90°
Articulation	4-way	4-way
Interchangeable lens		
8 methods		

iXBO iX3D mit REAL 3D



	4.0mm	6.0mm
Ø	4.0mm	6.0mm
Working length	from 100mm	from 100mm
Direction of view	0°/0° 90°/90°	0°/0° 90°/90°
Articulation	360°	360°
Interchangeable lens		
8 methods		

XLED PRO XOS



	2.4mm	3.0mm	4.0mm	6.0mm
Ø	2.4mm	3.0mm	4.0mm	6.0mm
Working length	from 1.0m	from 1.0m	from 1.0m	from 1.5m
Direction of view	0° / 90°	0° / 90°	0° / 90°	0° / 90°
Articulation	2-way	2-way	4-way	4-way

flexible, ultra-thin to robust, UV to dual view.
Compact or modular – fully configurable!

iLED PRO XOS



	4.0mm	6.0mm	8.0mm
Ø	4.0mm	6.0mm	8.0mm
Working length	from 1.5m	from 1.5m	from 1.5m
Direction of view	0°	0°	0°
Articulation	4-way	4-way	4-way
Interchangeable lens	-	✓	✓

XLED PRO DUAL VIEW XOS



	4.0mm	6.0mm
Ø	4.0mm	6.0mm
Working length	from 1.5m	from 1.5m
Direction of view	0° + 90°	0° + 90°
Articulation	4-way	4-way

Working Channel



	6.0mm	8.0mm
Ø	6.0mm	6.0mm
Working length	from 1.5m	from 1.5m
Direction of view	0° + 90°	0° + 90°
Articulation	4-way	4-way

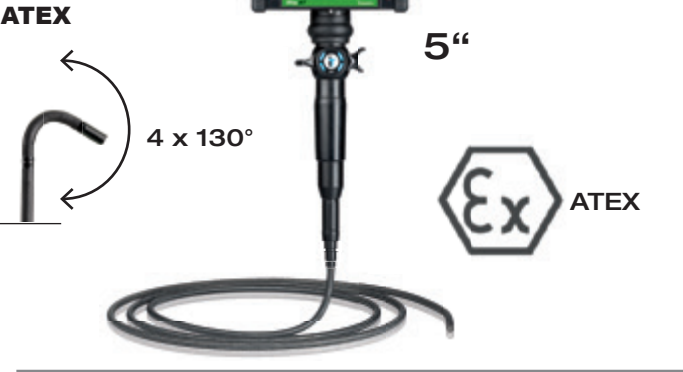
Compact systems - standards and specials

iRIS 5 touch



	4.0mm	6.0mm
Ø	6.0mm	6.0mm
—	2m / 3m	2m / 3m
👁	0%	0%
↕	4-way	4-way

iRIS XT



	4.0mm	6.0mm
Ø	4.0mm	6.0mm
—	1,5 - 7,5m	1,5 - 7,5m
👁	0%	90%
↕	4-way	4-way

iRIS 7 Pro



	4.0mm	6.0mm	8.0mm
Ø	4.0mm	6.0mm	8.0mm
—	from 1.5m	from 1.5m	from 1.5m
👁	0°	0°	0°
↕	4-way	4-way	4-way
🔄	—	✓	✓

Maximum modularity for your application

Our versatile modular system offers a wide variety of combinations – from a wide range of endoscopes and computer and software solutions to equipment carts, holders, and special accessories. The number of possible variants is so large that it cannot be fully presented in this brochure.

To ensure you receive the optimal solution for your application, we recommend a personal consultation with our specialist consultants. Together, we will analyze your requirements and create a customized configuration – tailored to your needs, functionally, and goal-oriented.

Our portfolio briefly explained

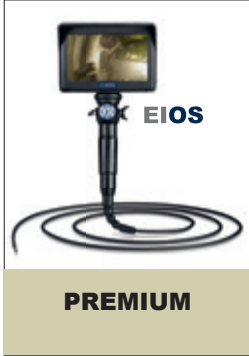
Compact systems individually configurable



BASE



ATEX

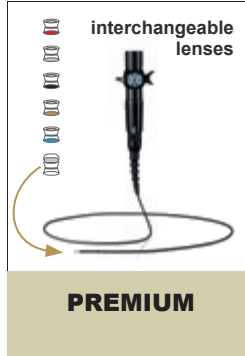


PREMIUM

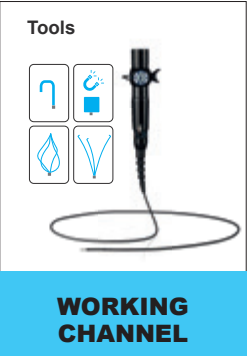
Modular devices individually configurable



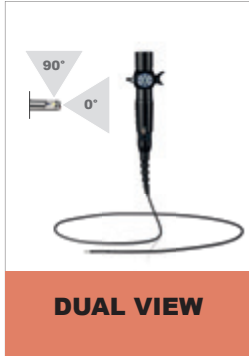
BASE



PREMIUM



WORKING CHANNEL



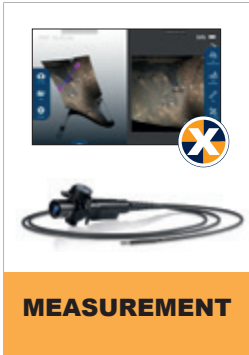
DUAL VIEW



UV

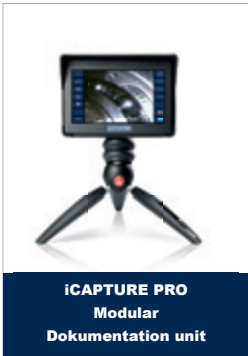


RIGID



MEASUREMENT

Documentation units



iCAPTURE PRO
Modular
Dokumentation unit



XPAD
Tablet-PC
with Rugged cover



XTAB
Rugged Tablet PC



XEYE
Augmented Inspection
(for XPAD and XTAB)

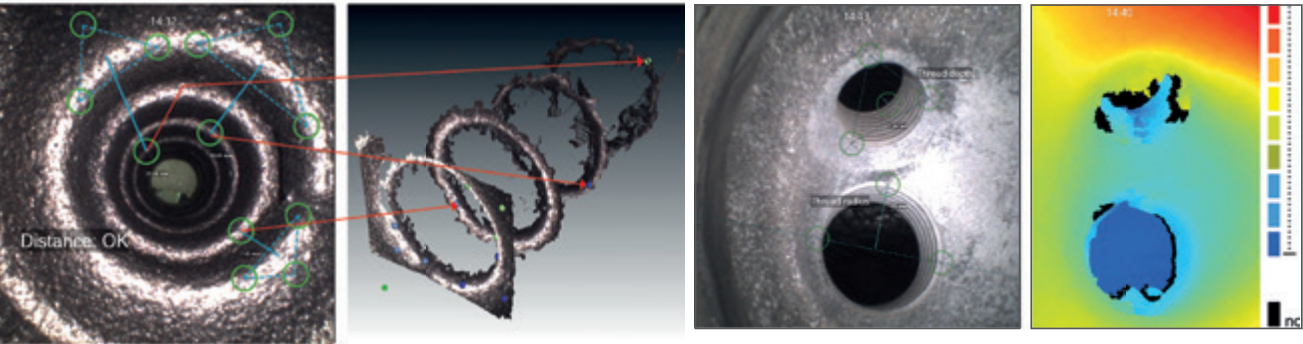
REAL 3D - View and Measurement

Software - the perfect interface!

Maximum flexibility in use, so intuitive that you can start right away!

With the introduction of our new software solutions XOS and iX3D, we are revolutionizing video endoscopy. Our powerful software enables the seamless integration of our videoprobes on all Windows-based devices – from tablets and laptops to powerful workstations. By using state-of-the-art algorithms and an optimized interface architecture, XOS and iX3D ensure high image quality in real time with realistic 3D image display. Automatic device recognition and user-friendly operation eliminate the need for extensive training – simply connect and you're ready to use.

Our iX3D measurement software enables precise analyses through the targeted selection of optimal measurement methods. In addition to the classic 2D display, **the freely rotatable 3D point cloud** visualizes the set measurement points in the inspection space – for double control and maximum measurement accuracy.



Software Suite

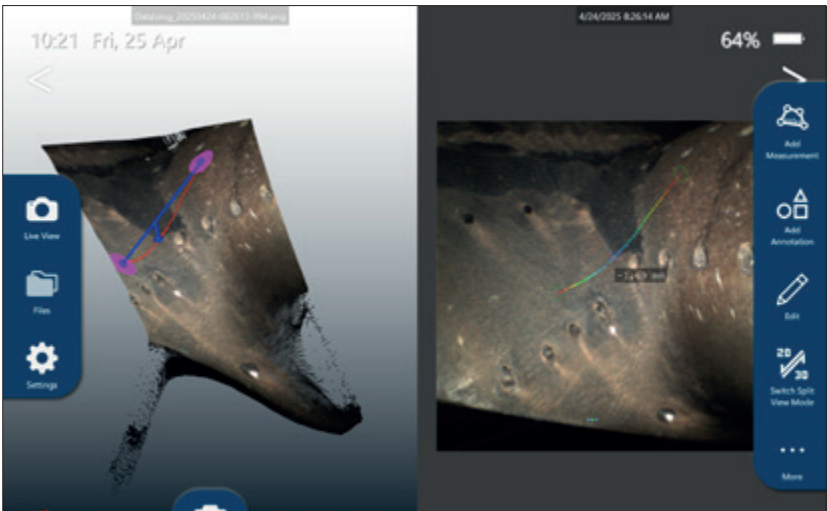


iX3D mit REAL 3D

Our iX3D software offers far more than simple snapshots and video recordings. Combined with the iX3D stereo probe, it enables precise 3D measurements directly in the application. Outstanding image quality, precise 3D point clouds, and intuitive operation. Precise analysis and documentation – **visualized in real-time 3D**.

XOS

This version contains all functions and settings of the iX3D software – with the exception of the measurement function – and is ideal for applications where direct measurement is not required, but all other options should still be used.



Features:
Image recordings
Video recordings
Comments
Notes
Extensive markings
PDF report
3D point cloud
3D measurement methods

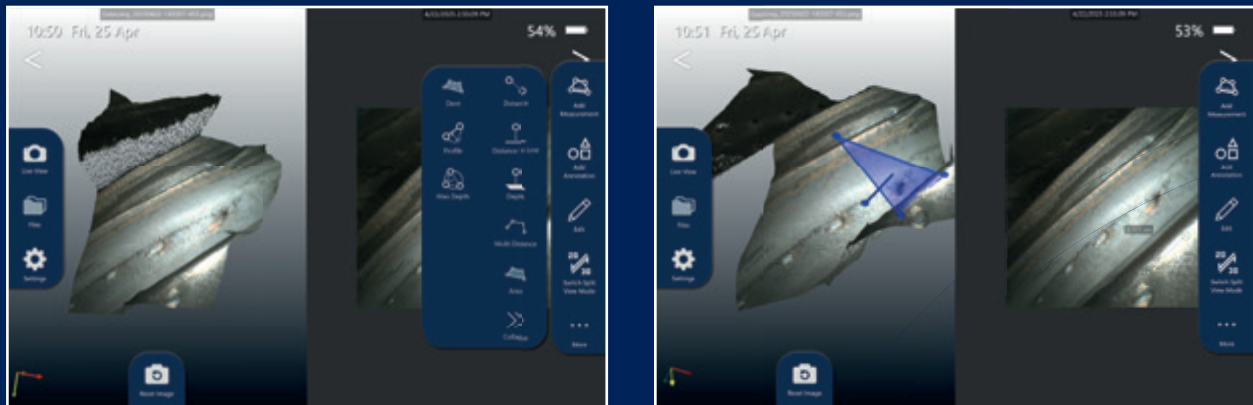
iX3D measurement methods

-  **point to point** Set 2 measurement points, Result shows distance between both points in mm
-  **point to line** Set 2 points to define reference line - Set 3. point as measurement point - Result shows shortest distance between measurement point and reference line in mm
-  **point to plane** Set 3 points to define the ref. Plane - Set 4. Point as measurement point - Result shows shortest distance between measurement point and the middle of reference area
-  **multipoint** Set points to define the multipoint line - Result shows distance between all measurement points in mm
-  **area** In this measurement mode, you can set any number of points to form an area. The surface area will then be displayed. The points can also be moved afterwards
-  **profile** In this measurement mode, the tread depth between two points can be displayed and analysed in a graph
-  **max depth** In this measurement mode, you can create a plane using three points, just like in depth mode. The deepest point of the surface will then be displayed and a height profile will be created. The points can also be moved afterwards
-  **dent** Similar to Max Depth, you can select several points, but instead of a straight surface, the surrounding surface is interpolated. In the selected area, the largest deviation from the simulated surface is displayed; this mode is more suitable for finding dents on curved surfaces

REAL 3D from IT Concepts

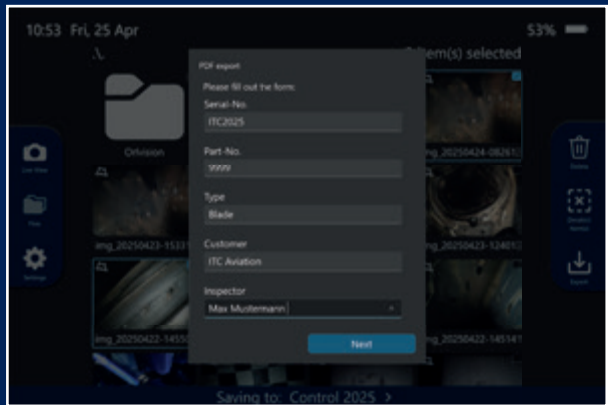
Real three-dimensional inspection

Experience the future of 3D with our latest measurement endoscope system and proprietary iX3D software! We bring the human ability of spatial vision to life like never before.
3D has never been this real.



Measurement view with 2D/3D visualization for intuitive measurement of complex components

Simple report generation with 2D/3D view and measurement table



Report as PDF file

REAL 3D

...and you won't miss a single detail!

Rediscover endoscopy like never before!

See more – thanks to realistic 3D perception in the inspection room.
We digitize human vision with two eyes to create perfect visibility and maximum detail accuracy.

Robust, compatible, powerful visuals, fast.

Our tablet solutions are specifically designed for professional use. Thanks to their robust casing and shock-resistant construction, they are ideal for daily use (**MIL-STD-810H, dual high-capacity, hot-swappable battery packs**) – even under demanding conditions. Equipped with high-resolution touchscreens, they deliver razor-sharp and detailed images.

Maximum mobility. Superior image quality. Full compatibility.



- 13" Display
- 2880 × 1920px resolution
- 1 Lithium-ion battery
- 16 GB RAM
- 256GB SSD
- MIL-STD-810G
- Robust xCase
- Hand strap on the back
- Carrying handle on the top
- Snap-mount plate for mounts



- 14" high-brightness (1000 nits) touchscreen, digital pen support
- Intel® Core™ i7 Pro® processor
- Dual high-capacity, Hot-swappable battery packs; up to 180w interchangeable
- IP65-rated for water and dust resistance
- MIL-STD-810H
- Easy-to-open I/O port caps (patented)
- Foldable tabletop stand
- Energy Star 8.0 certified

Secure, compatible, user-friendly

Snap Mount Tripod



Snap Mount Clamp



The mobile High-Performance-Kit:

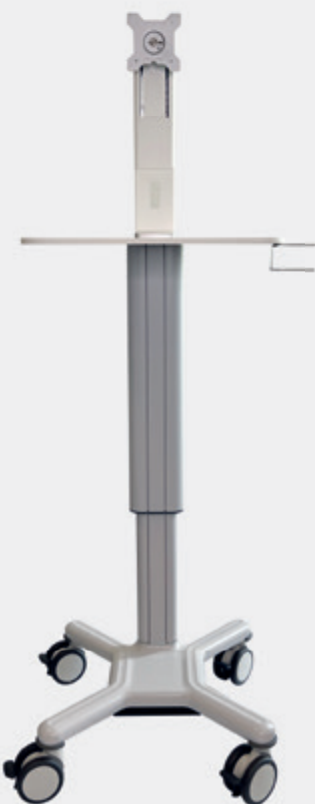
The XPAD becomes the ultimate all-in-one system with its ultra-compact, shock-protected rugged case, carrying handle, and infinitely adjustable endoscope holder. Additionally, the lockable connector box can be integrated to connect all IT Concepts endoscopes with 8 PIN.

Compact - mobile - ready to use!

Snap Mount Arm



Equipment cart / mobile workstation



Equipment cart basic

- Base area: 520 x 520 mm
- Compliant with MDR 2017/745
- EN 60601-1
- VESA mount - height of 1510/1770 mm
- Tilt angle: -0° to +35°
- Swivel: +/-28°

Equipment cart premium

- Variable working height: 89 - 118 cm, tower column is infinitely height-adjustable
- VESA mount for PC / tablet, tiltable and swivelable
- Shelf with grip recess
- Endoscope holder
- 4 stable, rubberized castors with locking mechanism
- Overall dimensions: 529mm(W) x 590mm(D) x 1290 - 640 mm(H)
- Aluminum column and base made of aluminum

Configuration example

Mobile and robust workstation for flexible inspection tasks

The sturdy equipment cart offers a variety of practical advantages for mobile use. Combined with a rugged tablet and a video endoscope, it creates not just a system, but a compact, mobile and highly flexible workstation.

This solution is particularly suitable for workshops, production halls, or applications with changing locations – such as the inspection of aircraft, machinery, or plants. The robust construction and thoughtful system integration enable efficient and location-independent work.



Configuration

Probe

iX3D

iXBO

XLED PRO

iLED PRO

XLED PRO
DUAL VIEW

Working
Channel

Software



PC / Mounting



Mobile High-Performance-Kit



Case



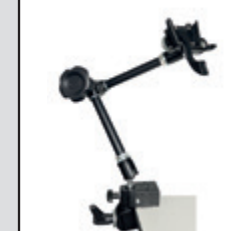
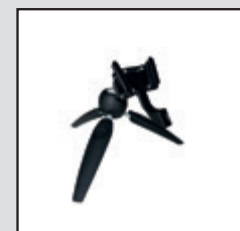
Equipment cart



XEYE



Special Mountings



Compact systems

iRIS XT

iRIS 7 Pro

www.itcworld.com



Get in touch!