



FOR MORE INFORMATION



VUCAM[®] XO

Budget priced high performance portable industrial video borescope

PWG-01D_1-0



The new VUCAM® - easy to use, mobile and robust, with a quality “Made in Germany”

Combining new imaging technologies with field proven industrial video borescope manufacturing is delivering excellent endoscopic image capabilities at very favourable costs.

5.7"
640 x 480

UP TO DATE TOUCH SCREEN

640 x 480 px, 5.7" high resolution, LED backlight TFT. Modern graphic user interface operation.



INSPECTION RESULT DOCUMENTATION

A touch on the screen calls the full featured keyboard. The user name, application & findings can be documented outside the inspection image & saved to SD.



SNAPSHOTS DURING THE VIDEO RECORDING



Digital JPEG snapshots during the video recording process shorten your documentation & postprocessing.

DIGITAL FREEZE IMAGE



Freeze an image live or during the recording process to analyze, consult or add text before saving the file for your own documentation.

DIRECT DATA RECALL



Is everything complete and in focus? Recall the last saved inspection file with just a tip on the touch screen to control your data.

Operated by a modern touch screen and graphic user interface this system sets a new standard for many existing and new visual inspection technology users.

ELIMINATE REVISITS WITH FLASH BACK BUFFER RECORDING



Many areas of interest are passed by while inspecting. By the time deficiency is realized, revisits are needed for analysis and documentation. Save time and money with VUCAM® constantly buffer capturing.

SD CARD



Perfect documentation of high resolution MPEG4 video-recording and JPG high quality images.

DIRECT ACCESS BUTTONS



Ergonomically located under the fingertip. The most frequently used functions are activated with a simple click.

- :: Illumination control
- :: Digital snapshot
- :: Video recording
- :: Freeze image
- :: Flashback recording
- :: Video snapshot
- :: On / Off button





FREE TILT DISPLAY

Adjust your display to your desired position to have a perfect sight on your inspection results.



COMPLETE CARBON FIBRE / ALUMINIUM CONSTRUCTION

Light weight, robust modern materials. Carbon fibre housing with rubber bumper protection and aluminium construction make the unit fit for harshest environment.



TIDY, SAFE & OPTIMISED POSITIONING

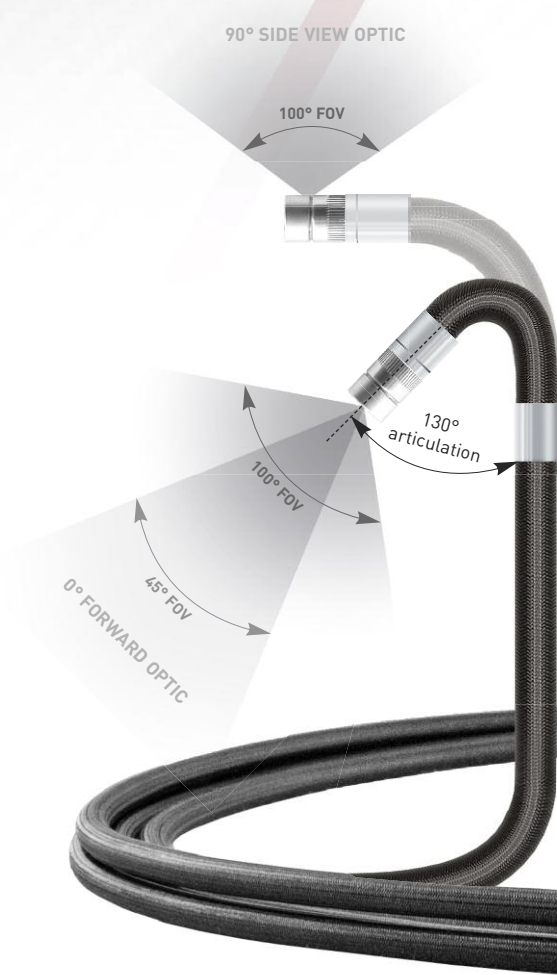
Standing solidly when placed on a flat surface or floor, fixed to magic arm tripod, or hanging on a local part, the VUCAM® offers safe and fatigue free working positions.




LIFETIME GUARANTEED LIGHT SOURCE

The high power LED light source provides constant homogenous illumination.





PRECISE CAMERA CONTROL



The X-WAY 360° articulating camera head precisely controlled by the robust aluminium steering knobs.



ACTUAL SIZE

WARNING! Not for medical use. Never use close to electrical facilities, or in hazardous or explosive environments. US or EUROPEAN patents may apply to all INVIZ® products. Microsoft®, Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and / or other countries.
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**COMPLETE INSPECTION SYSTEM
IN ONE CASE**

Arrive prepared, ready to go with the complete inspection system in just one small transport case!

BATTERY OPERATED

Portable power independent inspections with field replaceable LI-FePo high capacity power concept!



Probe			
Working length	2.2 m / 7.2 ft.	3.3 / 10.8	6.6 / 21.6
Diameter	6.0 mm / 0.23"	6.0 / 0.23"	6.0 / 0.23"
Articulation	130°	120°	100°
Probe construction	Four layer, final layer cut resistat tungsten.		
Optical specification			
Direction of view (DOV)	Standard 0° forward, optional with tip adapter 90° side view with 100° field of view		
Field of view (FOV)	Standard 45°, optional with optical adapter 100° wide angle		
Focus range	3 mm to endless depending on optic adapter chosen		
Illumination			
Type	Special high power hybrid LED glass fiber illumination. Digital phase width light control auto / manual Lifetime guarantee on the LED light source.		
Light power in lumen	High efficiency LED illumination 6 Watt Daylight quality 6.500 K		
Display			
Image representation	Screen type, high resolution 5.7" LED back illuminated TFT display, 640 x 480 px, anti glare, 600:1 cdi /m ² , 25 Hz image rate in real time		
Digital data capturing			
Image recording	Digital single JPEG format. Ability to capture images during video recording.		
Resolution	RGB 263.000 colors, 640 x 400 pixel, JPEG format, 25 frames/sec., 3 mbit/sec. at MPEG4 format.		
Video recording	Video in MPEG4**		
Pre-Recording	Buffer 15 sec. Triggered with video stop.		
User interface			
User interface	Unique graphic user interface by touch screen. Paralell direct acces buttons ergonomically positioned to control most frequent used functions like image capture, video capture, light control and system on/off.		
Mechanical			
Monitor	Rubber bumper protected carbon fiber construction. Screen shock absorbing floating integrated, dust and splash proof.		
Hand piece	Coated high resistant aluminium handpiece and control knobs, aluminium integral flat surface stand with tilt adjustable display.		
Memory	SD card 8 GB (optional: max. 32 GB)		
Interface	Multi I/O per cable connection		
Power supply	Battery: 6,4 V Power supply: Input 100 - 240V AC, ouput: 12V, max. 2,5A		
Battery concept	Two field replacable high power LiFePo4 batteries. Quick charge technology, charging while the sytsem is operated from mains, optional external charging unit allowing additional battery charge. Charging time below 2 hours. Battery life time depending on operation (up . LiFePo combines the advantages of Lithium cells (no memory effect, high capacity, low weight) while being safe from self ignition. System air transportable.		
Image capturing	Auto stop; autosplit; freeze frame, single image capture, digital video recording		
Mounting	¼" mounting for operation with standard tripods and magic arms.		
Functions			
Text annotation	Text is displayed and captured outside of the inspection image, thus not covering any application detail. Text is captured with image and video recording, printer friendly text formats available.		
Menu	Touch screen menu, handpiece controls, multiple language options, real time image brightness, contrast, saturisation, color control; date, time, logo, system status.		
Functions	Image capture, video capture, text entering, easy image and video selection, easy delete, language selection, illumination, immediate activation of the last saved file, fast access data recall, manual white balance, date & time display.		
Specifications			
Water and pressure tested	Probe: 1.5 bar / 14 psi fully immersible over the full length System: System housing IP 54 splash water and dust proof		
Chemical resistance of the probe	Coated high resistant aluminium handpiece and control knobs, aluminium integral flat surface stand with adjustable display.		
Weight	1.5 kg / 3.3 lbs (1.7 kg / 3.7 lbs with battery), depending on probe length.		
Shock and vibration	Vibration 3 grms random at 20Hz to 2 KHz, 10 min per axis; Shock 50 grms 11 ms half-sine three axis.		
Temperature	Display: Storage -40°C to +85°C; Operation -20°C to +70°C Probe: Operating -10°C to +80°C (in air)		
Manual	Full digital version on SD card, short guide hard copy.		
Display dimensions in mm	(H) 75 x (W) 196 x (D) 73 mm		
Accessories			
Additional batteries and external smart battery charger	One set included in standard scope of delivery. Additional batteries and battery charger optional available.		
Optional tip adapter	:: 0° forward optic: 100° wide angle :: 90° side view optic: 100° wide angle		
Neck strap / wrist strap	Wrist strap included (neck strap optional).		
Transport and storage case	Dimensions in mm / inch: (W) 415 / 16.34" x (H) 465 / 18.31" x (D) 190 / 7.48" Weight (empty): 3.25 kg / 7.16 lbs. Transport and storage case for VUCAM® XO inspection system.		
SD card	SD card 8 GB included (FAT formatted). Up to 32 GB (optional).		
Power supply	Included. World standard 90 - 220 V.		
Warranty	2 year system warranty and life-time warranty on the light source.***		

* If used with optional optical tip adapters | ** Media Player from Win 7.0 or any H.264 format VLC player | *** Typical wear and tear components like atricruction cable and insertion tubes are excluded. Accessories of foreign suppliers will have their own warranty. | **** Equipment is not intrinsically safe or explosion-proof. Do not deploy in hazardous atmospheres.

All specifications are subject to change without notice due to technical progress.



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