



FOR MORE  
INFORMATION

MADE  
IN  
GERMANY



# VUCAM<sup>®</sup> AM

PORTABLE 4.0 MM VIDEOSCOPE WITH 1.1 M - 3.3 M WORKING LENGTH  
FOR INDUSTRIAL REMOTE VISUAL INSPECTIONS (RVI)





# THE PORTABLE VIDEOSCOPE VUCAM® AM

QUALITY "MADE IN GERMANY"

The latest imaging technology, proven videoscope quality from viZaar® AG and an unbeatable price-performance ratio.



## DOCUMENTATION OF YOUR INSPECTION

One tap on the touch screen opens the complete keyboard for text editing. User, application and result are recorded and displayed next to the inspection image. Your inspection results (images & videos) are stored on an external SD card.



## UP-TO-DATE TOUCH SCREEN

5.7" high resolution, LED backlight TFT touch screen with 640 x 480 px. Modern und intuitive graphic user interface.



## RECORDING IMAGES & VIDEOS

Record high resolution videos and images with personalized text entries. Record snapshots during video recordings.



## FLASHBACK BUFFER RECORDING

Many areas of interest are passed by while inspecting. By the time a potential problem has been realized, revisits are needed for analysis and documentation. Save time & money with VUCAM® constantly buffer capturing.



## DIRECT DATA RECALL

Is everything complete and in focus? Recall the last saved inspection file on the touch screen to ensure your data integrity.

# FAST REMOTE VISUAL INSPECTIONS

## ROBUST AND READY FOR OPERATION

Easily operated by touch screen and direct access buttons, the portable videoscope VUCAM® AM sets new standards for existing and additional industrial areas for Remote Visual Inspections (RVI). The complete inspection system in just one case.



### DOCUMENTATION ON SD CARD

Perfect documentation of thousands of images and hours of digital videos on SD cards up to 32 GB.



### DIRECT ACCESS BUTTONS

Additionally to its touch screen, the videoscope VUCAM® AM offers direct access buttons on its handle. The most important features can be activated via direct access buttons.



# CONSTRUCTED FOR SIMPLE OPERATION

## OPTIMAL DESIGN FOR THE INDUSTRY

The portable videoscope VUCAM® AM offers unique hardware features, matching the requirements and desires of industrial applications and users.



### FREE TILT DISPLAY

Adjust the inclination of your display to your inspection environment for best image presentation.



### SYSTEM POSITIONING FOR HAND-FREE OPERATION

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.



### CARBON & ALUMINIUM CONSTRUCTION

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



### BATTERY OPERATION

Portable and mains power independent inspections with the field replacable LiFePo high capacity power concept!



## LUMINOSITY AND PRECISION

THE 4.0 MM VIDEOSCOPE WITH STRONG ARTICULATION CAPABILITY



### PRECISE ARTICULATION CONTROL

The videoscope articulation reaches up to 4 x 160°, controlled by the steering knobs on the handle.



### HIGH POWER LED ILLUMINATION

The high power LED light source provides constant homogenous illumination.



## FURTHER INDUSTRIAL APPLICATIONS

THE VERSATILE 4.0 MM VIDEOSCOPE VUCAM® AM.



PROBE		
<b>Diameter</b>	4.0 mm	
<b>Working length</b>	1.1 m / 2.2 m / 3.3 m	
<b>Articulation</b>	4 x 160°	
<b>Probe construction</b>	Four layers   Torsion-resistant and flexible   Final layer cut resistant tungsten	
<b>Direction of view (DOV)</b>	Standard: 0°	
<b>Field of view (FOV)</b>	Standard: 40°	
<b>Focus range</b>	15 mm to ∞	
<b>Illumination</b>	Special high power hybrid LED glass fiber illumination   Digital illumination control (auto / manual)	
<b>Luminosity</b>	High efficiency LED illumination   6 Watt   Color temperature: 6.500 K (daylight quality)	
SYSTEM		
<b>Display</b>	High resolution 5.7" LED backlight TFT touch screen   640 x 480 px   Anti glare	
<b>Display dimensions</b>	(H) 75 x (B) 196 x (T) 73 mm	
<b>Monitor</b>	Rubber bumper protected carbon fiber construction   Screen shock absorbing floating integrated   Dust and splash proof	
<b>Handle</b>	Coated high resistant aluminium handpiece and steering knobs, aluminium construction.	
<b>Memory</b>	SD card 8 GB (optional: max. 32 GB).	
<b>Power supply</b>	Battery: 6,4 V   Main supply: Input 100 - 240V AC, output: 12V, max. 2,5A	
<b>Battery concept</b>	Two field replaceable high power LiFePo batteries. Quick charge technology, charging while the system is operated from mains. The optional external charging unit for recharging spare batteries while working. Charging time below 2 hours. Battery life time depending on operation. LiFePo batteries combine the advantages of Lithium cells (no memory effect, high capacity, low weight). System air transportable (for further information please refer to the IATA Lithium Battery Guidance Document).	
<b>Image and video recording</b>	Autostop   Autosplit   Freeze   Digital image recording   Digital video recording	
<b>Mounting</b>	¼" mounting for operation with standard tripods and magic arms	
<b>Water and pressure tested</b>	Probe: 1.5 bar / 22 psi fully immersible over the full length   System: System housing IP 54 splash water and dust proof	
<b>Weight</b>	1,2 kg (1,5 kg incl. battery)	
<b>Shock and vibration</b>	Vibration 3 grms random at 20Hz to 2 kHz, 10 min per axis   Shock 50 grms 11 ms half-sine three axis	
<b>Temperature</b>	Display: Storage -40°C (-40°F) to +85°C (+185°F)   Operation -20°C (-4°F) to +70°C (+158°F) Probe: Operating -10°C (14°F) to +80°C (176°F)   Probe: Operating in water +10°C (14°F) to +30°C (86°F)	
<b>Operating instruction</b>	Full version hard copy.	
SOFTWARE		
<b>User interface</b>	Unique graphic user interface by touch screen. Parallel direct access buttons ergonomically positioned to control most frequent used functions like image capture, video capture, light control and system on/off. Toggling function to operate the system alternatively just from buttons on the handle.	
<b>Image recording</b>	JPEG   Recording images during video recording	
<b>Resolution</b>	RGB 263.000 colors   640 x 400 px	
<b>Video recording</b>	MPEG4**	
<b>Flashback buffer recording</b>	Buffer 15 sec. Triggered with video start	
<b>Text annotation</b>	Text is entered seamlessly with a full size touch keyboard while displayed and captured outside of the inspection image, thus not covering any application detail. Text, date and time can be captured with image and video recording, printer friendly text formats are available.	
<b>Menu</b>	Touch screen   Direct access buttons on handle   Language   Brightness / contrast   Hue (real time color control)   Date / time   Logo   System status	
<b>Functions</b>	Image recording   Video recording   Text annotation   Easy image and video selection   Delete   Language   Illumination   Direct data recall of the last saved file   Fast data recall   Manual white balance   Date and time display	
ACCESSORY		
<b>Additional batteries and external smart battery charger</b>	One set included in standard scope of delivery. Additional batteries and battery charger optional available.	
<b>Neck strap</b>	Neck strap for hand-free operation.	
<b>Transport case</b>	Dimensions in mm / inch: (W) 515 / 20.27 x (H) 395 / 15.55 x (D) 190 / 7.48 Weight (empty): 3.3 kg / 7.27 lbs. Transport and storage case for VUCAM® AM inspection system.	
<b>SD card</b>	SD card 8 GB (FAT formatted) included in the scope of delivery. SD card 32 GB (FAT formatted) optional.	
<b>Power supply</b>	Included in the scope of delivery. Worldwide standard 100 - 240 V AC.	
<b>Warranty</b>	One year, optional 2 year system warranty and life-time warranty on the light source.***	

\* If used with optional optical tip adapters | \*\* Media Player from Windows® 7.0 or any H.264 format player | \*\*\* Typical wear and tear components like articulation cable and insertion tubes and batteries 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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