

# 3D VIDEO BORESCOPE

PCE-VE 1600-3D



- » **High-precision 3D measurement function**
- » **7" IPS touch display with 1920 × 1200 pixels**
- » **8x digital zoom**
- » **Front and side view**
- » **Dual camera preview**
- » **Picture-in-picture mode**
- » **PDF test report directly on the device**
- » **Image and video recording**
- » **Memory: 16 GB internal, SD up to 128 GB**
- » **USB, mini HDMI, Wi-Fi**
- » **Audio recording function**

The 3D video borescope is a versatile inspection system for precise visual inspection and 3D measurement in industrial applications. Equipped with a high-resolution image sensor and a 7-inch IPS touch display, the 3D video borescope delivers detailed images and videos in real time. The 3D measurement function enables various measurement methods such as linear distances, areas, circumferences and sections directly on the object. The 3D video borescope offers an image resolution of 1280 × 720 pixels and a standard accuracy of 0.1 mm, with a minimum accuracy of 0.01 mm. The brightness of the LED lighting is adjustable in 5 levels and reaches up to 50,000 lx. The 3D video borescope supports image and video recording in JPG and MP4 format as well as the creation of PDF test reports directly on the device. The picture-in-picture function, dual camera preview and image rotation allow for flexible inspections. Operation is convenient via an electric joystick and the touch display. An internal 16 GB flash memory and an SD card with up to 128 GB are available for data storage. Interfaces such as HDMI, USB-A and USB-C enable easy export and display of data on external devices. The 3D video borescope is suitable for applications in aerospace, automotive engineering, energy supply, special inspections, industrial manufacturing and maintenance.

## Specification

General technical data	
Cable length	3 m
Display type	LCD touchscreen
Display size	7 Inch
Display resolution	One thousand nine hundred and twenty by one thousand two hundred
Storage medium	Internal memory, SD card
Storage capacity	16 GB
Memory capacity (additional information)	Possible via SD card up to 128 GB
Interface	Mini-HDMI, USB-C, USB, 3.5 mm jack, WLAN
Camera resolution	1000000 pixels
Resolution	Image: 1280x720 Video: 1280x720
Operating time	4 h
Camera head diameter	6 mm
Camera probe material	Braided tungsten
Camera probe movement	360 °
Protection class camera probe	IP67
Temperature range of camera probe	-25 ... 80 °C
Field of vision	120 °
Depth of field of vision	10 ... 100 mm
Bending angle	190 °
Luminous intensity	50,000 lux
Image / video format	PNG
Menu language	German, English (GB), English, French, Italian, Russian, Spanish, Polish, Korean, Japanese, Chinese
Protection class (device)	IP65
Power supply	100 ... 240V AC (power supply unit)
Connector type	Euro plug
(Rechargeable) battery	1 x 7,4 Battery pack , Lithium-ion battery
Capacity	6400 mAh
Operating conditions	-15 ... 50 °C , 0 ... 92 % RH
Storage conditions	-23 ... 63 °C , 0 ... 92 % RH
Dimensions ( L x W x H )	370 x 195 x 150 mm
Weight	1013 g