

Videoscope PCE-VE 1500-28200



Videoscope with 4-way camera head / Replaceable battery / 7" touchscreen / Plug and play system / Lighting adjustable in 5 levels / Image and video recording / 120° viewing angle / Battery life of at least 3 hours / Picture in picture function

The 4-way system makes it possible to move the camera head from the videoscope in a 190° bending radius. The viewing angle of the borescope is 120°. It is controlled via a joystick, which controls the electric motors on the borescope. Thanks to the particularly narrow camera head with a diameter of between 2.2 and 6 mm, the borescope can be used for endoscopy in engines, firearms, bores and other narrow openings, for example. This means that weld seams, wear and tear and damage can be assessed quickly and easily with the borescope in order to make quick diagnoses. The sheathing of the endoscope cable from the borescope consists of braided tungsten. The borescope camera head is made of titanium alloy. This makes the endoscope cable from the borescope particularly robust. The borescope is therefore used in engineering offices, quality control and for expert opinions.

The touch screen of the videoscope has a size of 7". The resolution of the borescope display is 1920 x 1200 pixels. Thanks to the touchscreen, easy operation of the borescope is guaranteed. If required, the live image from the borescope can be transmitted to an external screen or beamer via the HDMI interface. In addition, approx. 285,000 images or 1500 minutes of video recording with the borescope can be saved on an SD card. In this way, the recordings from the borescope can be examined again at a later point in time or entered into documentation.

The battery for the videoscope has a capacity of 6400 mAh. This means that the borescope can be used for endoscopy for more than 3 hours. The current battery charge can be read on the battery itself, independently of the borescope, via a five-point diagram. If the battery in the borescope is discharged, it can be connected to a USB-C (PD) interface. The borescope can still be used while charging. Alternatively, the battery can be removed and replaced with a new one so that the borescope is immediately ready for use again.

The transport case is designed to protect the videoscope during transport to minimize damage. Thanks to the fourfold locking and the rubber coating on the lid, the transport case protects the borescope from water ingress. For easy transport of the borescope, there are also wheels on the transport case so that it can be pulled.

- ▶ 4-way camera head with electric motors
- ▶ 7" touch screen for easy operation
- ▶ replaceable battery with status display
- ▶ Storage of recording on SD card
- ▶ Motor with endoscope cable can be changed quickly
- ▶ HDMI connection for direct image transmission
- ▶ Brightness adjustable in 5 levels
- ▶ 120° viewing angle and 190° bending radius

Subject to change

Specifications

Diameter	Ø2.8 mm / 0.11"
Cable length	2 m / 6.5 ft
Camera direction	0°
Resolution	160,000 pixels
Focusing range	5 ... 50 mm / 0.19 ... 1.96"

Further specifications

Material camera head	titanium alloy
Material camera hose	braided tungsten
Material camera lens	glass
Field of view	120°
Illuminance	50,000 lux
Bending direction	360° (4-way camera head)
Bending angle	190°
Display	7" LCD touchscreen
Display resolution	1920 x 1200 pixels
Image format	JPG
Video format	MP4
Image resolution	1280 x 720 pixels
Video resolution	1280 x 720 pixels
Digital magnification	8 times
Memory (internal)	16 GB
Memory (external)	expandable up to 128 GB for ca. 285,000 pictures or 1500 minutes of video recording
Interface	Mini HDMI, USB-A, USB-C (only for data transfer) audio interface, WiFi
Power consumption (endoscope)	10 W
Operating time	>3 hours
Battery	7.4 V (4 x 18650), 6400 mAh, removable
Battery (charging)	12 VDC, 3 A
Mains adapter	primary: 100 ... 240 VAC 50/60 Hz, 1.5 A secondary: USB-C (PD) 65 W maximum 5 VDC, 3 A 9 VDC, 3 A 12 VDC, 3 A 15 VDC, 3 A 20 VDC, 3.25 A PPS1: 3.6 ... 11 VDC, 3 A PPS2: 3.6 ... 20 VDC, 3 A

More information

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Operating conditions (hand-held device)	5 ... 50 °C / 41 ... 122 °F, <92 % RH, non-condensing
Operating conditions (endoscope cable)	5 ... 80 °C / 41 ... 176 °F, <92 % RH, non-condensing
Storage conditions	5 ... 63 °C / 41 ... 145 °F, <92 % RH, non-condensing
Dimensions	366 x 194 x 137 mm / 14.4 x 7.6 x 5.3"
Weight	handset weight: 1017 g / 35.8 oz endoscope cable with electric motor: ca. 600 g / 21.1 oz battery 550 g / 19.4 oz

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