# “VideoDentoscope”

## Portable rigid video endoscope for equine dentistry

The **VideoDentoscope** is a portable system for visual examination of the equine oral cavity and dental structures. Its **detachable 5-inch monitor** and battery power support use in clinics, stables and during field visits.

The **rigid AISI 316 stainless steel probe** is **440 mm** long and **8 mm** in diameter, and detaches from the handpiece. The optics combine an **oblique viewing direction of 70°** with a **120° field of view**.

**Photos and videos saved to microSD** provide a record of the examination. Image capture and LED brightness controls are accessible during viewing.



PROBE-HANDPIECE CONNECTION



PORTABILITY AND CONTROLS



TRANSPORT KIT

| PROBE AND IMAGING | |
|---|---|
| Probe diameter | 8.0 mm |
| Length | 440 mm |
| Rigid probe | AISI 316 stainless steel |
| Viewing direction | Oblique, 70° |
| Field of view | 120° |
| Resolution | 1280 × 720 pixels |
| Illumination | Integrated high-intensity LEDs; adjustable |

| MONITOR AND RECORDING | |
|---|---|
| Display | 5" TFT LCD, 1024 × 768; detachable |
| Recording | JPG photos and MOV videos on microSD |
| Memory | microSD up to 64 GB |
| Power supply | Rechargeable lithium battery |
| USB-C port | Charging and file access via computer |
| Connectivity | HDMI output and Wi-Fi |

| BATTERY LIFE AND OPERATION | |
|---|---|
| Battery life | Up to 3 hours |
| Battery | 5000 mAh - 3.7 V |
| Probe temperature | Insertion tube: 0-60 °C |
| Other parts | 0-40 °C |
| Relative humidity | 15-90% |
| IP67 protection | Insertion tube and distal tip |
| Functions | Photo capture, video with audio commentary and LED adjustment |

### SUPPLIED EQUIPMENT

Video unit with monitor, rigid probe with handpiece, carrying case, 32 GB microSD card, charger, USB cable, card reader and user manual.

Memory support: up to 64 GB. Supplied card: 32 GB.

### TECHNICAL NOTES

**IP67 protection applies only to the insertion tube and distal tip**; it does not cover the handpiece or monitor.

The 120° field of view describes the angular extent of the image. The 70° viewing direction specifies the optical orientation relative to the probe axis.

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