



Delfino

WIRELESS VIDEO OTOSCOPE



DESCRIPTION

Delfino is a wireless video otoscope, composed of the hand piece and the receiver base. The hand piece integrates the camera, the LED illumination, the video transmission system and the rechargeable battery. The hand piece sends the video signal to the receiver base, which can be connected to a computer or to a video display.

HAND PIECE

Optics: gradient index rod lens
 Illumination: LED, automatic light power adaptation
 Sensor type: CMOS
 Resolution: 720 x 576
 Minimum working distance: 10 mm
 Battery: Li-Ion rechargeable battery
 Battery autonomy: 2 hours of uninterrupted use
 Radio transmission band: 5.8 GHz (7 channels)
 Compatible speculum: Heine AllSpec® Ø 4mm

RECEIVER BASE

Battery recharging circuit
 Integrated pre-heater for the optics tip
 3 status LED indicators
 Analog and digital video outputs

VIDEO OUTPUTS CHARACTERISTICS

Digital: USB 2.0
 Analog: composite video, PAL standard, on a RCA connector

POWER SUPPLY

Maximum consumption: 9 Watts
 Power supply: 6V, 2A cont., through an external medical grade 100-240 Vac 50/60 Hz power supply

MECHANICS

Base:
 Size (WxDxH): 25 x 10.5 x 7.5 cm / 10 x 4 x 3 in
 Weight: 500 g / 17.6 oz

Hand piece:
 Size (WxDxH): 22 x 14 x 9 cm / 8.7 x 5.5 x 3.5 in
 Weight: 180 g / 6.4 oz

FREIGHT PACKING

Size (WxDxH): 30 x 40 x 28 cm / 12 x 16 x 11 in
 Gross weight: 2.5Kg / 5.5lb

APPLICABLE STANDARDS

Wireless communication: ETSI EN 300 440-1, ETSI EN 300 440-2
 RTTE classification: Device operating in IMS band 5.8GHz Class 1
 IP classification: IPX0 – No protection. The device is not autoclavable.
 Battery safety: UL 1642
 Electrical safety: EN 60601-1, EN 60601-2-18
 EMC: EN 60601-1-2

CE CERTIFICATE

93/42/EEC classification: Class I without a measuring function
 Classification rule (Annex IX, 93/42/EEC): 12

FDA

Device Class: 1
 Product Code: ERA
 Listing Number: D107668

INCLUDED SOFTWARE

Inventis Daisy with Visia module
 Noah Delfino module
 Both software allows the capture of still pictures

MINIMUM COMPUTER REQUIREMENTS

Processor: Intel® Core 2 Duo, 1.6 GHz
 RAM: Minimum 2 GB
 Operative system: Windows 7, 32 or 64 bits
 Display resolution: 1024 x 600 or higher

PRODUCT CODES

10103: Delfino – Wireless video otoscope

INCLUDED PARTS

- USB connection cable type A/B
- RCA-RCA cable
- Medical grade power supply
- Set of sample Heine specula
- User manual
- Quick start guide
- Inventis Software Suite CD

OPTIONAL ACCESSORIES (with order code)

- 10125: Pack of 1000 Heine AllSpec Disposable Otolaryngoscope Tips diam. 4 mm
- 10115: Additional Receiver base
- 10011: Daisy Visia module (required only in case you want to record videos)

Delfino is developed by:

INVENTIS s.r.l.

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