DELFINO
Wireless video otoscope
TECHNICAL SPECIFICATIONS

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

External medical grade power supply
Input: 100-240 Vac, 50-60 Hz, 0.4 A
Output: 6 Vdc, 1.67 A

Mechanics

Base:
Size (WxHxD): 105 x 75 x 250 mm / 4 x 3 x 10 in
Weight: 500 g / 17.6 oz.
Hand piece:
Size (WxHxD): 220 x 90 x 140 mm / 8.7 x 3.5 x 5.5 in
Weight: 220 g / 7.8 oz.

IP classification

IPX0 – No protection. The device is not autoclavable.

Freight packing

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

Applicable standards

Electrical safety: EN 60601-1
EMC: EN 60601-1-2
Wireless communication: ETSI EN 300 440-1, ETSI EN 300 440-2
Battery safety: UL 1642

CE

93/42/EEC classification: Class I without a measuring function

FDA

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

Included software

Inventis Daisy with Delfino 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 1 GB (2 GB for Vista and 7 O.S.)
Operative system: Windows XP SP3, Windows Vista, Windows 7, 32 or 64 bits
Display resolution: 1024x600 or higher

Product code

10103: Delfino – Wireless video otoscope

Included parts

- USB cable type A/B
- RCA-RCA cable
- Set of sample Heine specula
- Daisy installation CD
- Daisy and Noah modules installation CD
- Quick start guide

Optional accessories (with order code)

- 10125: Heine AllSpec Disposable Otoscope Tips (1000 adult 4mm specula)
- 10115: Additional base for Delfino video otoscope

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TEL: +44 (0)1634 719427   FAX: +44 (0)1634 719450
EMAIL: info@puretone.net   WEB: www.puretone.net
Puretone Ltd, 9-10 Henley Business Park, Rochester, Kent. ME2 4FR. UK.