



# 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  
 Working distance: 10-25 mm, optimum 15mm  
 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  
 RED dir. classification: Device operating in ISM 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 Maestro

## 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

## OPTIONAL ACCESSORIES (with order code)

- 10125: Pack of 1000 Heine AllSpec Disposable Otoloscope Tips diam. 4 mm
- 10115: Additional Receiver base

Delfino is developed by:

### INVENTIS s.r.l.

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