

## OTOcam II Video Otoscope



## Compact digital camera system for video otoscopy

Developed especially for audiologists, ENT doctors and hearing instrument dispensers, the OTOcam II video otoscope is ideal for performing detailed visual examinations of the outer ear canal and tympanic membrane. The system consists of a compact camera control unit with integrated light source and a lightweight otoscope containing a high resolution color CCD camera. The two-picture digital freeze memory is activated by means of a footswitch and lets you freeze the monitor image at any time for more detailed examination.

### Unique digital image capture and display option

Like any other conventional video otoscope, the OTOcam II can be connected to a video monitor/printer or VCR for display or documentation of video image. Or we can provide the unique alternative of FireWire connection to a PC or laptop - and to GN Otometrics' OTOcam digital imaging management software. And since this software is NOAH™-compatible, your video otoscopy images can be saved together with your other audiological test results, session notes, etc.

For improved patient counselling

High resolution video image

Ideal for hearing aid dispensers & audiologists

Two-picture digital memory

NOAH™-based image database option

Completely portable

Automatic activation of light & camera

Ergonomic, comfortable handpiece

Can be connected to a desktop or laptop PC

Optional lens for conventional photography

## OTOcam II Video Otoscope

### Designed for your comfort as well as the patient's

Incorporating a CCD matrix with microlenses and electronics, the handpiece weighs only 90 grams (3 oz) and is very comfortable to hold - it's also very easy to guide comfortably and safely into the patient's ear canal. The handpiece is connected to the control unit and the bright, 75 watt halogen light source by means of one single, flexible cable. And to save energy, a sensor automatically activates the camera and light when you remove the handpiece from its holder.



### Numerous options offer complete flexibility

The handpiece has been ingeniously designed so that you can easily change otoscope attachments, or mount a C-adaptor for use with a microscope, or even attach a lens for conventional photography. The OTOcam II is supplied as standard with a 3 mm otoscope attachment, but this can easily be replaced with one measuring 4 mm, if desired. Each size has the same depth of field, viewing angle and resolution but the 4 mm otoscope attachment offers brighter illumination - at the price of a greater diameter. Video resolution is as high as 470 x 420 lines.

Installation is extremely easy - just connect the control unit to monitor, VCR, or PC. Both composite and S-VHS cables are included.

### Benefits of video otoscopy

Over the past decade, video otoscopy has proven to be a very valuable and persuasive tool not only for counselling patients, but also their parents or spouses. There are many applications for displaying video otoscopy images including:

- Documentation of ear canal and TM pathology.
- Evaluation and preparation of the ear canal prior to making earmould impressions.
- Communicating images to other physicians.
- Visualization of tiny details on hearing instruments.

### Technical specifications:

Video Standard:	PAL or NTSC
Resolution:	752 H x 582 V pixels (PAL) 768 H x 494 V pixels (NTSC) 470 lines H x 420 lines V
Video Output:	1 x S-VHS (Y/C), BNC
Light Source:	75 W halogen; lifetime 400 h
Max. Illumination:	3 mm attachment: 50,000 lux 4 mm attachment: 70,000 lux
Depth of Field:	5 - 60 mm
Viewing Angle:	70°
Power Supply:	115/240 VAC ± 10%
Power Consumption:	Approx. 110 W
Dimensions (WxDxH):	Control unit: 334 x 358 x 70 mm Handpiece: Ø max. 23 mm, length 130 mm
Weight:	Control unit: 8 kg, 17.6 lbs. Handpiece: 90 g
Standards:	IEC 601-1/2, CE acc. to MDD, 93/42 EEC DIN EN ISO 9001, BF electrical protection
Standard Accessories:	Y/C video cable 1.5 m BNC video cable 75 ohm, 1.5 m Footswitch
Optional Accessories:	OTOcam digital imaging management software Otoscope attachment Ø 4 mm C-Mount-Adapter, Photo Lens Aluminium Carrying Case Disposable Specula

### GN Otometrics

GN Otometrics is the world's leading manufacturer of hearing and balance instrumentation and software – innovative concepts designed to help healthcare professionals make the best possible decisions. Our solutions range from infant-screening applications, audiologic diagnostics, and office management software, to balance testing and hearing-aid fitting.

Based in Copenhagen, Denmark, we maintain marketing and development centers in both the United States and Germany. GN Otometrics is part of the GN ReSound Group.

Data management   Hearing assessment   **Fitting & Testing**   Balance assessment

GN Otometrics, Denmark. +45 72 111 555. info@gnotometrics.dk  
GN Otometrics, North America. 1-800-362-3736. sales@gnotometrics.com  
www.gnotometrics.com

**GN** Otometrics