



Grace Medical

ENT. Redefined.

## *EC-CAM Endo-Diagnostics*

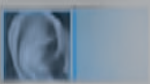
*Integrated video system to  
run under Windows®.*



*Precision meets Quality*

*Digital endoscopic camera system  
for your laptop.*

*The most comprehensive and cost effective way  
to manage your endoscopic images in the  
office or out-patient clinic.*



# EC-CAM

## Digital Diagnosis Set

The new digital endoscopic camera system EC-CAM can be directly connected to your laptop computer (USB2) without additional control units or other bulky equipment. In combination with our new CAMEX Endoview software your laptop turns into a powerful tool to manage all your endoscopic data.

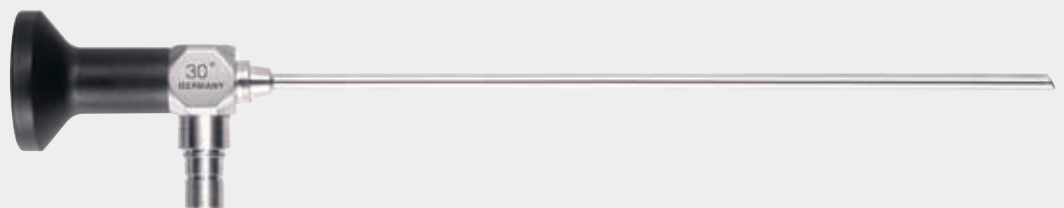


### Smart and user friendly

- All in one USB camera to connect directly to your PC
- No bulky control unit, just a USB connector
- "Plug and Play" Installation, easy to use
- Compatible to CAMEX Endoview Imaging Software

### Cutting - edge technology

- Endoscopic imaging in PAL resolution (752x562, progressive scan)
- Anti-moiré filter for flexible endoscopy
- Automatic video settings during AWB
- Waterproof design



*Sophisticated digital video technology for pin-sharp images*

### ENT application



# CAMEX Endoview

## Endoscopic Imaging Software



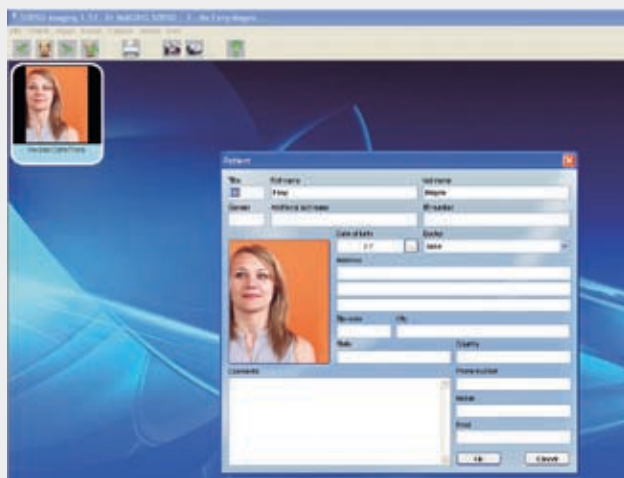
### Diagnostic Software

Camex Endoview imaging software dedicated to aid diagnosis and patient management, providing not only the display of endoscopic images in real time but also comprehensive tools to capture and store video as well as patient related information.

The software is fully Windows compatible and easy to use with most tools just a mouse click away.

- Endoscopic live images
- Image capture (still images)
- Movie capture (MPEG 4)
- Zoom, drawing and text editing

### Patient Management and Data Archiving



Whether you create medical reports or export diagnostic data via E-mail or electronic fax your Camex Endoview software is designed to help you organize all patient related information.



### Use your Camera and Software for

- Microscopy
- Otoscopy
- Rhinoscopy
- Pharyngo- Laryngoscopy
- Flexible and Rigid Endoscopy

### Technical specifications EC-CAM

- BF Type camera
- Sensor: CCD 1/4" high sensitivity
- Resolution of the sensor: (752 x 582) PAL  
(768 x 494) NTSC
- Definition: 470 lines
- Sensitivity: 2 lux
- Signal/Noise ratio: 52 dB
- Electronic shutter: Automatic  
(1/50 to 1/100 000)
- Variable surface of analyze for the shutter
- Automatic white balance
- Video enhancement "SHARPNESS"
- Electronic anti-moire filter for flexible fiberscopes
- Adjustments of the video parameters
- Automatic detection of the color temperature according to the used light source
- Automatic saving of the adjustments and parameters
- 2 programmable buttons (e.g. w/b, capture)
- Cable length: 3 meters, Ø:5 mm
- 1 USB 2.0 output
- Power supply: 5 V DC
- Power consumption: 2.5 VA

### Features of the camera head

- ABS-PC waterproof camera head
- C-Mount made of aluminium
- Size of the sensor: L = 87mm; Ø = 30 mm
- Weight of the sensor: 210g
- Two programmable buttons

### Recommended configuration

- Operating system: Windows 2000 / XP Pro SP3  
VISTA / Business SP1
- Processor: Intel Core2
- RAM: 2 GB
- Hard disk: 160 GB
- USB ports: 4 USB 2.0 Hi-Speed ports
- Graphics card: with NVIDIA or ATI chipset  
128 MB of unshared video  
RAM with support for  
DirectX 9 or higher
- Screen resolution: 1024 x 768 or higher

### Minimum requirements

- Operating system: Windows 2000 or higher
- Processor: Pentium III-500 MHz
- RAM: 512 MB
- Hard disk: 20 Gb
- USB ports: 2 USB 2.0 Hi-Speed ports
- Graphics card: 32 MB of unshared video  
RAM with support for  
DirectX 9 or higher
- Screen resolution: 1024 x 768

### Accessories

- Objective: F = 12 or 17mm with  
endoscopy coupler (C-mount)
- Weight of the objective: 60g
- 1CD ROM including:
  - Camera drivers for Windows
  - CAMEX Endoview - application software
  - The software tools: AMCAP, EMCLEAR



#### Portable LED Lightsource

High intensity LED engine provides portability without compromise in light output

Powered by a rechargeable Li Ion battery

Eliminates the need for and cost of light guides, tabletop light sources & replacement lamps



Ordering Information:	502300FX	EC-CAM, ENDOSCOPIC CAMERA INCLUDING C-MOUNT COUPLER AND SOFTWARE PACKAGE FOR WINDOWS BASED LAPTOP
	710370FX	PORTABLE LED-LIGHTSOURCE FOR TELESCOPE (FLEX. AND RIGID), W/ 2 RECHARGEABLE LI ION BATTERIES & CHARGER FOR BATTERY
	Additional Accessories	
	710361FX	LITHIUM ION RECHARGEABLE BATTERY FOR LED LIGHTSOURCE
	710362FX	CRADLE FOR LITHIUM ION RECHARGEABLE BATTERY
	710373FX	POWER SUPPLY FOR CRADLE



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