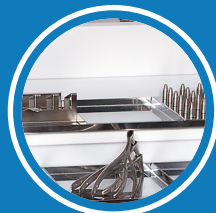
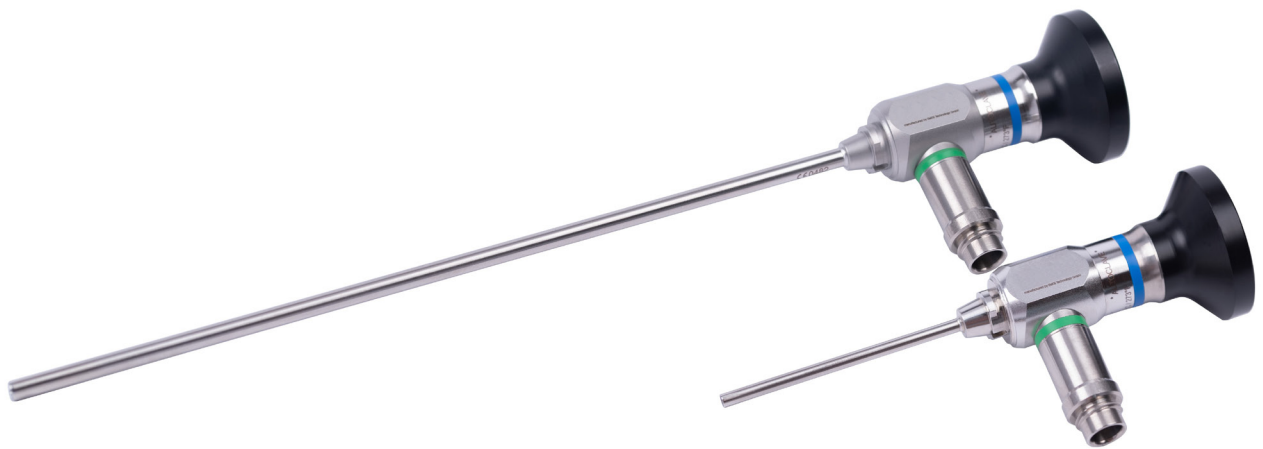


# ENT Endoscopy

Endoscopes, Naso-Pharyngoscopes, Cameras





Since 1983, **Heinemann Medizintechnik** is one of the leading equipment providers in **ENT medical technology**.

The company is not only a **manufacturer** of high-quality ENT treatment units, but also a **competent** partner for practice planning as well as your sales **partner** for complete ENT equipment in **hospitals** and private practices.

# Flexible naso-pharyngoscopes



Ordering Information	REF
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 2.2 mm, up/down 160°/160°	78770-FNS2200
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 2.8 mm, working channel 1.2 mm, up/down 160°/160°	78770-FNS2812
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 2.8 mm, up/down 160°/160°	78770-FNS2800
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 3.2 mm, up/down 160°/160°	78770-FNS3200
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 3.4 mm, up/down 160°/160°	78770-FNS3400
Naso-Pharyngo-Laryngoscope / NL=300 mm, Ø 3.8 mm / working channel 1.4 mm, up/down 160°/160°	78770-FNS3814

Technical details	Parameters
Working length	300 mm
Field of view	85°
Angulation up/down	160°/160°
Pixel	18.000 (6.500 bei FNS2200)
Field of depth	3 - 50 mm

# Rigid endoscopes

Order information	REF
Rigid endoscope 0°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-SS40A
Rigid endoscope 0°, Ø 4 mm, 170 mm (Wolf-Adapter)	78770-SW40A
Rigid endoscope 0°, Ø 2,8 mm, 110 mm (Storz-Adapter)	78770-SS28A110
Rigid endoscope 0°, Ø 2,8 mm, 175 mm (Storz-Adapter)	78770-SS28A
Rigid endoscope 30°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-SS40B
Rigid endoscope 30°, Ø 4 mm, 170 mm (Wolf-Adapter)	78770-SW40B
Rigid endoscope 30°, Ø 2,8 mm, 110 mm (Storz-Adapter)	78770-SS28B110
Rigid endoscope 30°, Ø 2,8 mm, 175 mm (Storz-Adapter)	78770-SS28B
Rigid endoscope 70°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-SS40C
Rigid endoscope 70°, Ø 4 mm, 170 mm (Wolf-Adapter)	78770-SW40C
Rigid endoscope 45°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-SS40G
Rigid endoscope 0°, Ø 2,8 mm, 50 mm (Storz-Adapter)	78770-OS28A50
Rigid endoscope 0°, Ø 4 mm, 50 mm (Storz-Adapter)	78770-OS40A50
Rigid endoscope 30°, Ø 2,8 mm, 50 mm (Storz-Adapter)	78770-OS28B50
Rigid endoscope 30°, Ø 4,0 mm, 50 mm (Storz-Adapter)	78770-OS40B50
Micro-laryngoscope 70°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-LS40CUD
Micro-laryngoscope 90°, Ø 4 mm, 175 mm (Storz-Adapter)	78770-LS40CUD
Laryngoscope HD, 70°, Ø 7 mm, length 190 mm (autoclavable)	78770-LU70C
Laryngoscope HD, 90°, Ø 7 mm, length 190 mm (autoclavable)	78770-LU70D
Tele-laryngo-pharyngoscope 70°, Ø 11 mm, 190 mm	667-100144
Tele-laryngo-pharyngoscope 90°, Ø 11 mm, 190 mm	667-100442
HD Laryngo-pharyngoscope 90°, Ø 10 mm, 190 mm	667-100477
HD Laryngo-pharyngoscope 70°, Ø 10 mm, 190 mm	667-100476
HD Laryngo-pharyngoscope, flat 70°, Ø 12.4 x 7.2 mm, length 183 mm	667-100626
HD Laryngo-pharyngoscope, flat 90°, Ø 12.4 x 7.2 mm, length 183 mm	667-100635

# USB HD endoscopy camera



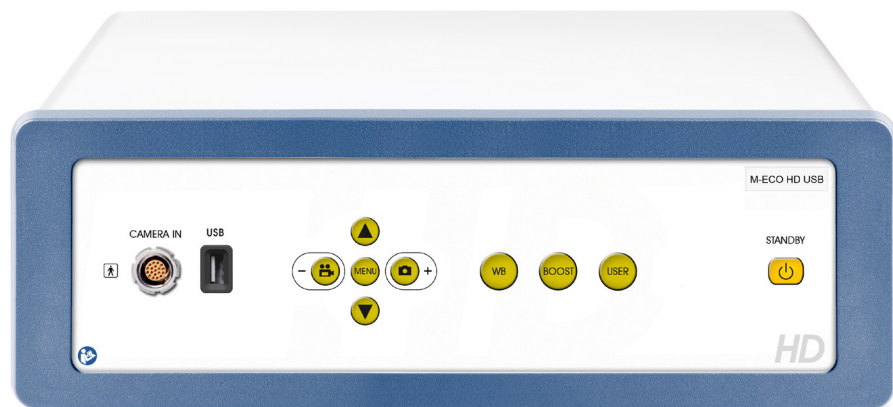
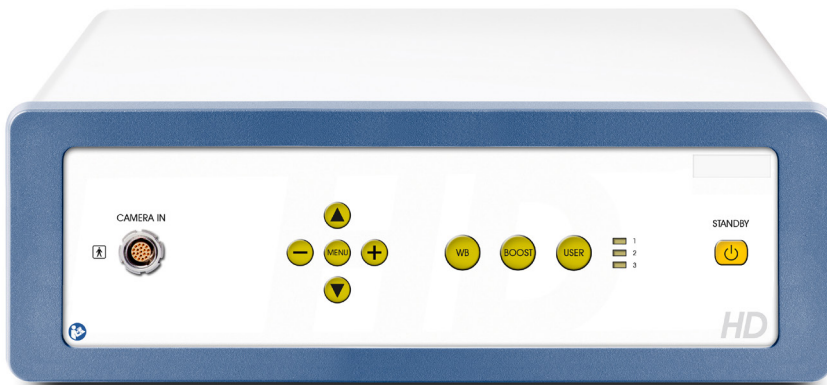
Traditional endoscopic camera systems are usually too bulky to be carried for applications that need high mobility such as outpatient examination, clinical diagnostic and mobile medicine. The HD-Cam is a perfect solution which integrated illumination and imaging into a handheld unit, balancing high-performance and portability, to meet above requirements. To setup an endoscopic camera system, you simply need a computer with USB 3.0 interface.

Due to its compact size and light weight, the camera is not only suitable for all endoscopic applications, but can also be easily adapted to a microscope via a beam splitter.

- High image resolution
- Mobile
- Plug and Play
- Waterproof
- integrated LED light source

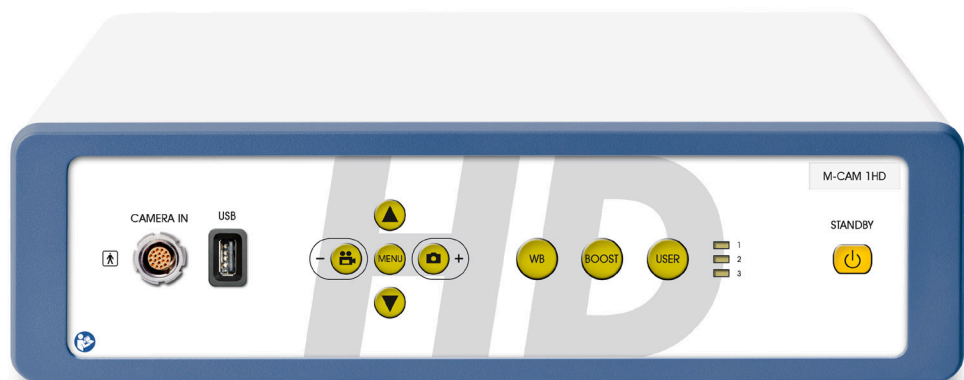
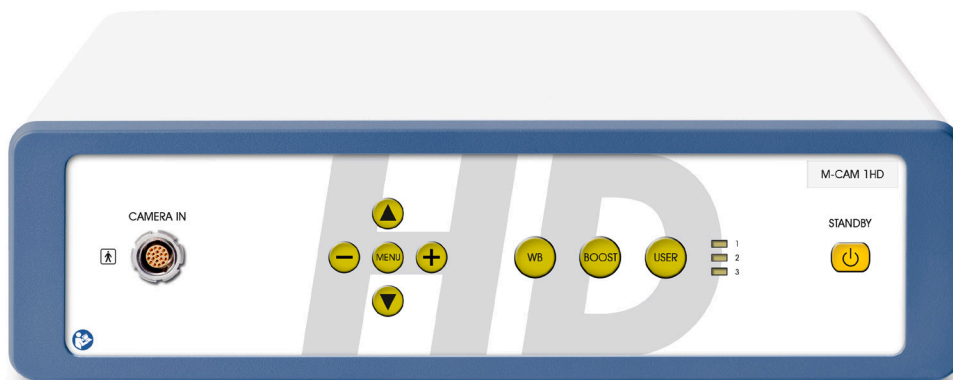
Ordering Information	REF
<p>USB HD Endoscopy camera with LED-light source</p> <ul style="list-style-type: none"><li>• Image sensor: 2 Million Pixel</li><li>• Video Format: 1920 x 1080 @ 30 fps</li><li>• Light source: handheld LED light source, wired</li><li>• Camera head with 3x Push-buttons</li><li>• Protection class: IPX8</li><li>• Connection: USB 3.0</li><li>• Accessories: TV-Adapter 18 mm, LED-light source, software for photo-/ video capturing, transport case</li><li>• Cable length: 3 m</li><li>• Weight: 190 g</li><li>• Operating system: Windows or Mac OS</li></ul>	78770-1000

# HD endoscopy camera



Ordering Information	REF
ecoHD with HDMI-output <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 900 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost, 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Remote out, Remote in</li> <li>• Video out: 1x HDMI/ DVI"</li> </ul>	522-8530312
ecoHD USB with HDMI-output <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 900 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost</li> <li>• 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Remote out, Remote in</li> <li>• Video out: 1x HDMI/ DVI</li> <li>• USB Recording module for images and videos via USB-flash drive</li> </ul>	522-8530402
TV-Adapter, f = 21 mm	667-100052
TV-Adapter, f = 14 mm	667-100480
Footswitch for M-CAM, ecoHD, LED50	522-8831009
Push-button-head for ecoHD or LED-50 HD (three buttons on the camera head)	522-7402014

# HD endoscopy camera



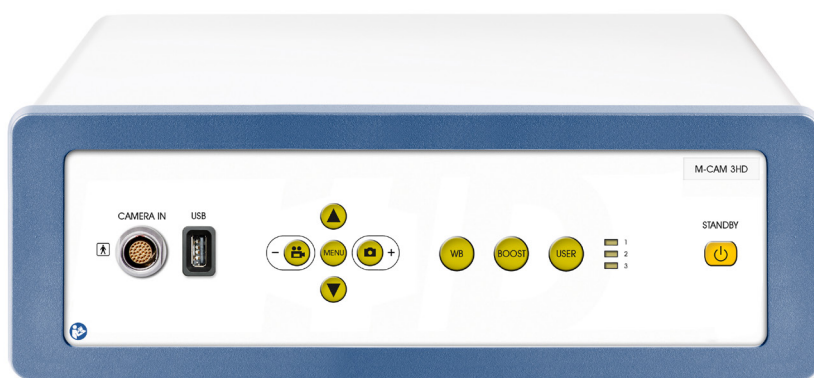
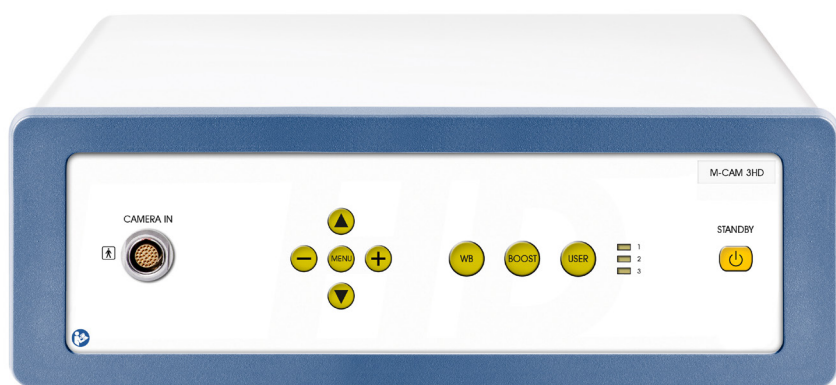
Ordering Information	REF
<p>M-CAM HD with HDMI-output</p> <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 1000 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost, 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Video out terminal: 1x HDMI</li> <li>• Inputs: Remote out, Remote in</li> <li>• Video outputs: 1x HDMI/ DVI, 1x Video, 1x S-Video, 1x Y-Pb-Pr"</li> </ul>	522-8530001
<p>M-CAM HD USB with HDMI-output</p> <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 1000 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost, 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Video out terminal: 1x HDMI</li> <li>• Inputs: Remote out, Remote in</li> <li>• Video outputs: 1x HDMI/ DVI, 1x Video, 1x S-Video, 1x Y-Pb-Pr</li> <li>• USB Recording module for images and videos via USB-flash drive</li> </ul>	522-8530202
TV-Adapter, f = 21 mm	667-100052
TV-Adapter, f = 14 mm	667-100480
Footswitch for M-CAM, ecoHD, LED50	522-8831009
Push-button-head for M-CAM (three buttons on the camera head)	522-7400211

# HD camera system



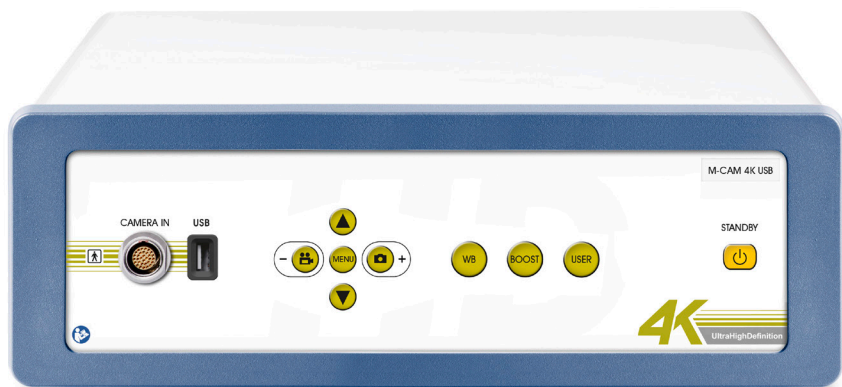
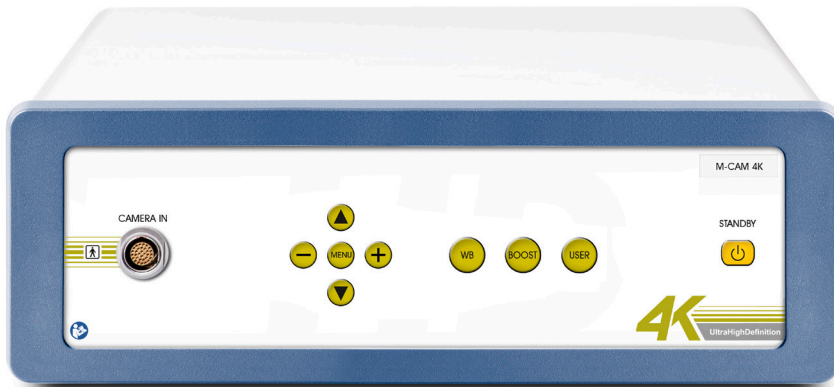
Ordering Information	REF
<p>LED-50 HD System</p> <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 900 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost</li> <li>• LED light source with STORZ connection</li> <li>• Video out: 1x HDMI</li> <li>• 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator"</li> </ul>	522-8622251
<p>LED-50 HD USB System</p> <ul style="list-style-type: none"> <li>• 1-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 900 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost</li> <li>• LED light source with STORZ connection</li> <li>• Video out: 1x HDMI</li> <li>• 10-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• USB Recording module for images and videos via USB-flash drive</li> </ul>	522-8622201
TV-Adapter, f = 21 mm	667-100052
TV-Adapter, f = 14 mm	667-100480
Footswitch for M-CAM, ecoHD, LED50	522-8831009
Push-button-head for ecoHD or LED-50 HD (three buttons on the camera head)	522-7402014

# 3CCD HD endoscopy camera



Ordering Information	REF
<p>M-CAM 3HD</p> <ul style="list-style-type: none"> <li>• 3-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 1000 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost</li> <li>• 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Camera head with 3x push buttons</li> <li>• Inputs: Remote out, Remote in</li> <li>• Video outputs: 2x HD SDI, 1x HDMI/ DVI, 1x Y-Pb-Pr (Component), 1x Y/C (PAL / NTSC), 1x CVBS (PAL / NTSC)"</li> </ul>	522-8520302
<p>M-CAM 3HD USB</p> <ul style="list-style-type: none"> <li>• 3-MOS camera, image resolution: Full HD 1920 x 1080, format 16:9</li> <li>• TV resolution: &gt; 1000 lines, sensitivity: &lt; 3 lux (1/1.4)</li> <li>• White balance, Boost</li> <li>• 3-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator</li> <li>• Camera head with 3x push buttons</li> <li>• Inputs: Remote out, Remote in</li> <li>• Video outputs: 2x HD SDI, 1x HDMI/ DVI, 1x Y-Pb-Pr (Component), 1x Y/C (PAL / NTSC), 1x CVBS (PAL / NTSC)</li> <li>• USB Recording module for images and videos via USB-flash drive</li> </ul>	522-8520402
TV-Adapter, f = 21 mm	667-100052
TV-Adapter, f = 14 mm	667-100480
Footswitch for M-CAM, ecoHD, LED50	522-8831009

# 4K endoscopy camera



## Ordering Information

## REF

### M-CAM 4K (UHD)

- 3-MOS camera, image resolution: UHD 3840 x 2160, format 16:9
- TV resolution: 1600 lines
- White balance, Boost
- 10-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator, smoke correction, image enhancement of colour and structure
- Camera head with 4x push buttons
- Inputs: Remote out, Remote in
- Video outputs: 1x HDMI 4K (3840 x 2160), 1x HDMI Full HD (1920 x 1080), 1x SDI 4K (4 x BNC) (3840 x 2160), 1x SDI Full HD (1 x BNC) (1920 x 1080)

522-8540031

### M-CAM 4K USB (UHD)

- 3-MOS camera, image resolution: UHD 3840 x 2160, format 16:9
- TV resolution: 1600 lines
- White balance, Boost
- 10-user settings storable, 2,5x digital ZOOM, Freeze, on-screen-menu, character generator, smoke correction, image enhancement of colour and structure
- Camera head with 4x push buttons
- Inputs: Remote out, Remote in
- Video outputs: 1x HDMI 4K (3840 x 2160), 1x HDMI Full HD (1920 x 1080), 1x SDI 4K (4 x BNC) (3840 x 2160), 1x SDI Full HD (1 x BNC) (1920 x 1080)
- USB Recording module for images and videos via USB-flash drive

522-8540032

TV-Adapter, f = 21 mm

667-100052

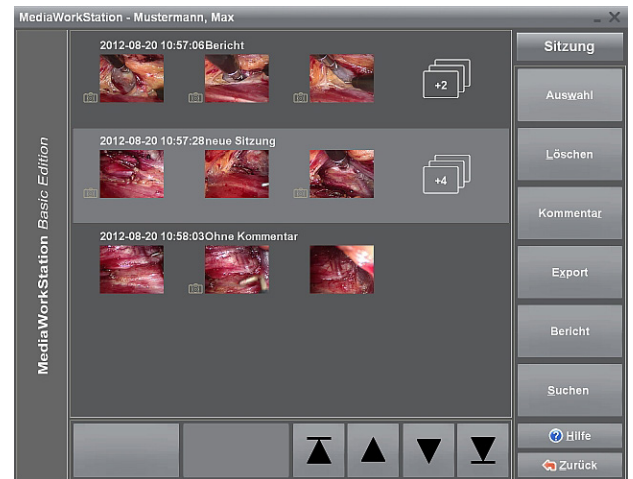
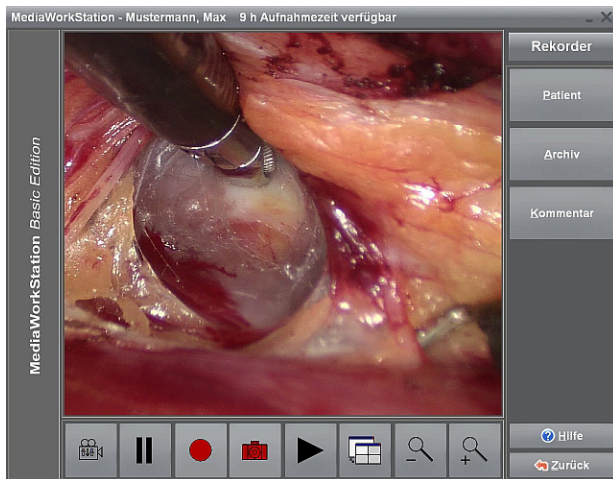
TV-Adapter, f = 14 mm

667-100480

Fußschalter

522-8831009

# Software MWS Basic



## MediaWorkStation Basic Edition

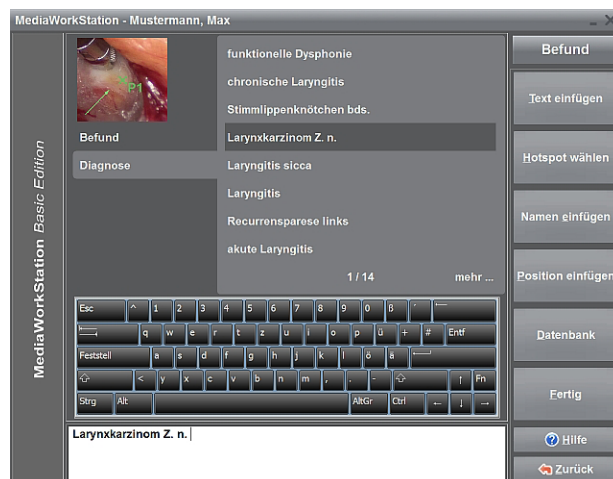
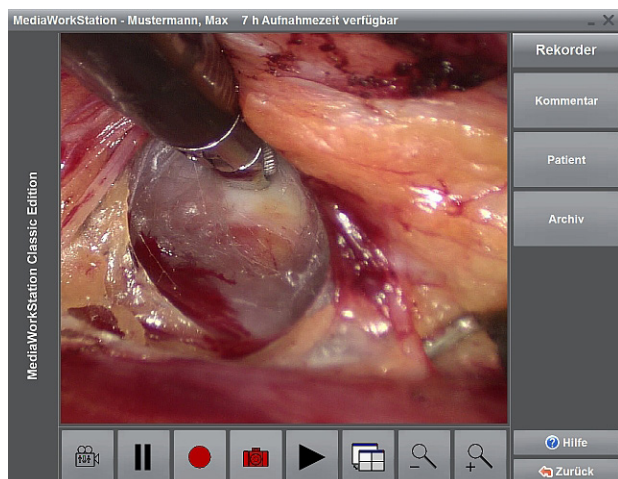
The "Basic Edition" is the latest member of the MediaWorkStation product family. With the recording into a structured database, playback and editing capabilities for video findings and finally the creation of complex print outs or reports in HTML format, it is a comprehensive tool and the perfect entry into the medical video documentation. In case that expectations rise the change to another, more powerful edition is always possible.

### Functions

- Simple and intuitive user guide
- Recording of videos and individual pictures
- Structured saving of all recordings in a database
- Playing videos with random seek, enlargement and abstraction of individual images
- Display of individual images including detail selection and enlargement
- Manual input of descriptions
- Graphical markers with individual comments
- Full-text search
- Export of images as files, including imbedded identification
- Print function for the direct printout with embedded identification information
- Creation of reports in HTML format including patient information and pictures
- Preview with split display for „live“ image and individual images
- Operation by touch screen including screen keyboard for text inputs
- Remote control for the recording function via foot switch, USB or by camera
- Direct control of camera settings of supported types of cameras
- Support of many types of cameras, frame grabbers and converters with USB- and IEEE1394 connection
- Individual graphical adjustment of the user surface via „skins“
- Context sensitive help system
- Automatic database backup
- Language selection for German, English, French, Italian, Spanish

System requirements	HD Video (1080p30)	HD Video (1080p60)
Operating system	Windows 10 / 8 / 7	
Processor	i5-7500 3,8 GHz	
RAM	4 GB DDR4	2 x 4 GB DDR4 (2 modules)
Hard disc	200 GB	
Graphics card	Intel HD 630	
Video converter	with DirectShow support	
Display	1920 x 1080 pixels	

# Software MWS Classic



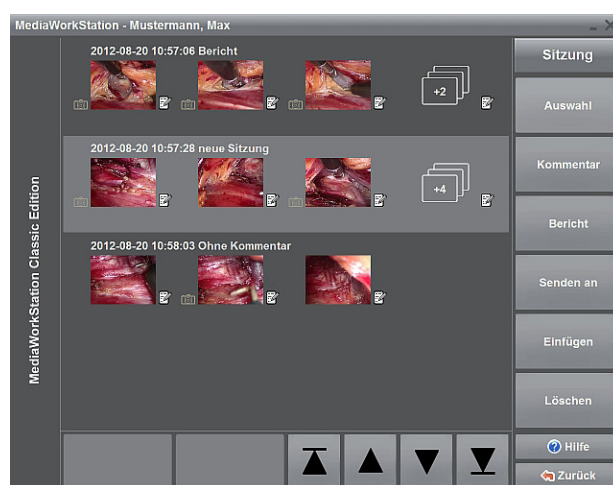
## MediaWorkStation Classic

With the „MediaWorkStation Classic Medic“ sophisticated users get a comprehensive tool for acquisition, documentation and archiving of HD video and picture findings in the daily practice.

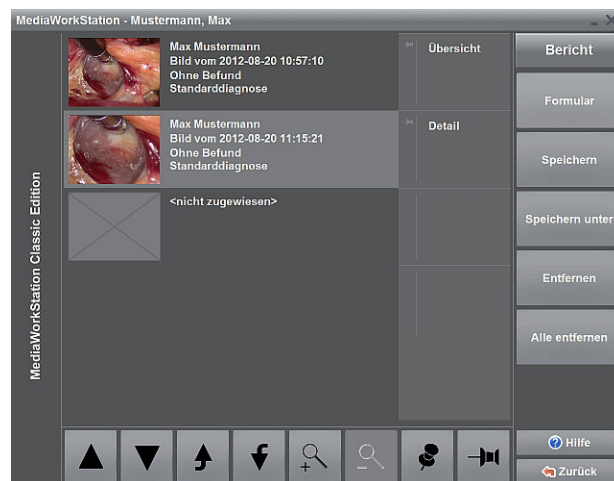
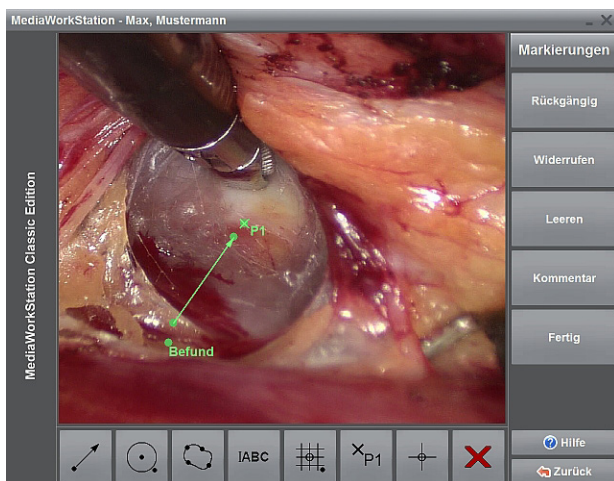
An extensive set of tools gives the ability for easy creation of individual and complex findings reports. Easy integration into IT-environment ensures an optimal workflow. The database provides long term availability of picture findings with almost no capacity limitation.

### Key features

- Simple and intuitive user interface
- Recording of videos and pictures
- Direct switching between four cameras
- Structured saving of all recordings in a database
- PACS support DICOM Worklist/Store
- Playing videos with abstraction of individual images
- Manual input of comments for sessions and recordings
- Graphical markers with individual comments
- Full-text search in data base
- Creation of reports in HTML format including patient information, pictures, videos and comments
- Remote control for the recording function via foot switch, USB or by camera
- Operation by touch screen including screen keyboard
- Direct control of camera settings of supported types of cameras
- Context sensitive help system
- User management including separation for special patients
- Language selection for German, English, French, Italian, Spanish, Turkey, Chinese



# Software MWS



System requirements	HD Video (1080p30)	HD Video (1080p60)
Operating system	Windows 10 / 8 / 7	
Processor	i5-7500 3,8 GHz	
RAM	4 GB DDR4	2 x 4 GB DDR4 (2 modules)
Hard disc	200 GB	
Graphics card	Intel HD 630	
Video converter	with DirectShow support	
Display	1920 x 1080 pixels	

Ordering Information	REF
Software MediaWorkStation Basic for professional managing patient data, recording, playback and editing capabilities for video (SD or HD) findings and finally the creation of complex print outs or reports in HTML format	9182-20002800
MediaWorkStation option DICOM Push, reports and picture export via DICOM Push	9182-20002802
Professional software MediaWorkStation Classic for for professional managing patient data, recording, playback and editing capabilities for video (SD or HD) findings and finally the creation of complex print outs or reports in HTML format, video source selection, picture/ video comparison, video cut	9182-20002799
MediaWorkStation option DICOM Worklist, DICOM Worklist Interface	9182-20002803
MediaWorkStation pre-installation	9182-20002667
Foot switch USB with one button (MES)	9182-20002796
Foot switch USB with two buttons (MES)	9182-20002797
Wireless foot switch USB with one button (MES)	9182-20003786
Wireless foot switch USB with two buttons (MES)	9182-20003787
Video converter HDMI to USB 3.0 (MES), Input: HDMI	9182-20003417

# Medical All-in-One PC



Technical details	Medical Workstation TERRA AIO G6
Operating system	Windows 10 Pro
CPU	Intel Core i5 (12. Gen.) 1.8 GHz (18 MB SmartCache, max. 4.2 GHz with Intel Turbo Boost Technology)
RAM	1x 8GB, DDR4 3200 MHz
Storage	500 GB SSD M.2 module
Display	21,5"/54,6cm, resolution 1920 x 1080, LED-backlight
Graphic	Intel® HD Graphic 730 1x HDMI-Port max. 4096x2160 @ 24 Hz / 2560x1600 @ 60 Hz 1x Displayport max. 4096x2304 @ 60Hz
Audio IO	Side: Line out, Microphone Down: Line out, Microphone
USB	Side: 1x USB 2.0, 1x USB 3.1 Gen1 Down: 2x USB 3.1 Gen1, 2x USB 2.0
Connections	1x Ethernet 10/100/1000 Mbps, WiFi 802.11 AC, 2.4/5.0 GHz, 1730 Mbps, Bluetooth 5.0
Power Supply	External Power adapter, 19 V 135 W, 100V - 240V, 50Hz-60Hz For medical application only medical certified device like Fortron PMP135-13-1-B28 is permitted!
Dimensions	507 x 370 x 194 mm
Weight	6.3 kg
VESA mount	100 x 100 mm

# Medical All-in-One PC



## Medical grade All-In-One PC with 21" full HD touch screen.

With its completely closed, fanless design, the medical PC of the OR-PC® series has been specially developed for continuous operation in hygienically critical areas and is the ideal workstation for medical applications. It is characterised by an extremely high degree of customisability and flexibility, is extremely robust, durable, maintenance-free and perfectly adapted to the high requirements in clinics and practices. Living microorganisms such as germs, bacteria or spores pose an increased risk of infection, especially in open wounds.

Sterile and disinfected operating theatres, work equipment and compliance with strict hygiene regulations are therefore indispensable in the medical sector. While only 100 germs out of 10,000 germs are detectable after optimal cleaning, it is almost 0 after optimal disinfection or sterilisation. Germ contamination should always have top priority for the well-being of patients. Wipe disinfection: Optimised design for less germs (engl. Infection Control)

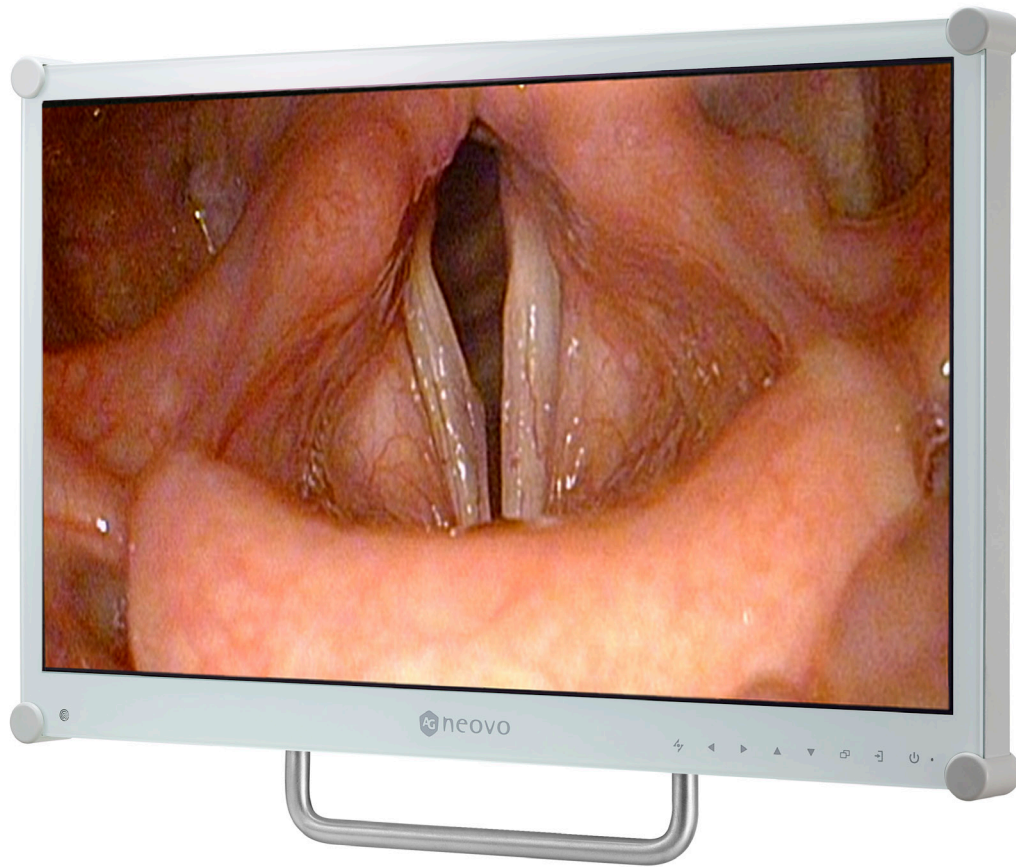
All ACL products are closed at the front according to IP65, splash-proof and dust-proof. With a screwless housing and rounded corners, integrated PCap touch and sophisticated cable management, they are particularly easy to clean all around. They are specially optimised for wipe disinfection and thus offer the best protection against germs and resistances to prevent contamination. ACL products thus contribute to efficiently reducing the germ load in the patient environment when handled correctly.

# Medical All-in-One PC

Technical details	Medical Workstation ACL21 i5 Touch 256 W10P G3
Operating system	Windows 10 Pro
CPU	Intel Core i5 (8. Gen.)
RAM	2x 4GB, DDR4 3200 MHz
Storage	256 GB SSD M.2 module
Display	21"/ 53,3cm, 1920 x 1080, 1000:1, 250cd/m <sup>2</sup> , 178°/178°, 14ms
Concept	fanless compact PC developed for permanent 24/7 operation in the patient environment and enhanced for convection cooling, completely closed aluminum housing, passive, maintenance-free zone cooling system developed by ACL
Graphic	2x HDMI/DP, Intel® HD Graphic 620
Audio IO	Line out, Microphone
USB	4x USB 3.1 2x USB 2.0
Connections	2x Ethernet 10/100/1000 Mbps,
Power Supply	90-240 V / 50 / 60Hz / internal 110 W
Dimensions	517 x 340 x 58 mm
Weight	7 kg
VESA mount	100 x 100 mm

Ordering information	REF
Medical All In One PC, display 21" / 53 cm, 1920 x 1080 pixel, completely self-contained panel pc system in a metallic casing with covered cable lines, Intel Core i5 G8, RAM 2x4 GB, 256 GB SSD, LAN, Windows 10 Pro x64, language German, (other languages on request)	9182-20004006
Medical Workstation TERRA AIO 24" i5 Intel Core i5, Win 10, 1920 x 1080, LCD-Multitouch, RAM 8 GB, 256 GB SSD, WLAN, Audio-System Integrated	9182-20003876
Medical Workstation TERRA AIO 21,5" i5 Intel Core i5 (9. Gen.), Win 10, 1920 x 1080, LCD-Multitouch Glare, RAM 8 GB, Slim DVD±RW/±R, 500 GB SSD, WLAN, Audio-System	9182-20003752
VESA mount for video converter HDMI/SDI to USB3, VESA 100 mm Standard, compatible to Medical WorkStation ACL	9182-20003245

# Medical Monitor



Knowing that providing a safe environment to their patients is a ENT doctors's primary concern; the DR-Series is certified with EN/IEC 60601-1, ensuring a safe and reliable power connection by equipped with medicalgrade power adapter and equipotential terminal connector.

Along with NeoV™ Optical Glass and white metal casing, the display can be cleaned and disinfected with standard cleaning solutions. Besides, to accommodate the need to view X-ray films, the DR-/MX-Series features an illuminator mode, which allows ENT doctors to diagnose without switching to other dedicated view boxes. From consultation to examination, the DR-/ MX-Series is the perfect fit for any medical setting.



# Medical Monitor



## Versatility and Adaptability

The DR-/MX-Series is adaptable to fit every conceivable medical environment. Designed with medical power supply, it is ideal for long-distance (up to 5 meters) cable management between dental equipment and displays. Compatible with VESA standard mounts, the display can be mounted on a rotatable arm with handles for easy movement.

## Medical-Grade Safety Certification

Certified with the EN/IEC60601-1 regulation, the DR-Series ensures general safety and electronic emissions, equipped with medical-grade power adaptor and equipotential terminal connector, providing a safe and reliable power connection in the environment of ENT diagnosis and treatment.

## Easy to Clean and Reliable Design

The anti-acid and anti-alkali coating treatment of NeoV™ Optical Glass ensures that the DR-Series withstand cleaning and disinfection. Coupled with front-sided IP22 compliance and white metal casing, the DR-Series is dust and water proof and easy to detect contamination for any use.



## Features

- LED-backlit technology with 1920 x 1080 and 1280 x 1024 resolutions
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- EN60601-1 and IEC60601-1 medical certification
- Equipotential terminal connector
- White exterior design for easy contaminant detection
- Illuminator mode for easy X-ray film viewing
- PiP/PbP functions enable multi-source viewing simultaneously
- Image Enhancer: Deinterlace / Noise Reduction / Image Rotation / Freeze
- Adjustable image settings via analogue inputs
- Versatile connectivity: e.g. DisplayPort, HDMI, DVI, VGA, S-Video, Composite
- Front-sided IP22 Compliant (IEC 60529 Standard)
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- Gamma selection and black-level adjustment
- Optional X-ray clip and handle for easy movement
- VESA mounting for flexible installation on treatment units

# Medical Monitor



Technical Details	DR-22G	MX-24
Panel Type	LED-Backlit TFT LCD (TN Technology)	LED-Backlit TFT LCD (VA Technology)
Panel Size	21.5"	23.8"
Max. Resolution	FHD 1920 x 1080	
Brightness	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Contrast Ratio	20.000.000:1 (DCR)	
Viewing Angle (H/V)	170°/160°	178°/178°
Response Time	3 ms	5 ms
Signal Input	1x DisplayPort 1x HDMI, 1x DVI, 1x VGA, Composite (BNC x 2), 1x S-Video (4-Pin mini DIN)	1x DisplayPort 1x HDMI, 1x DVI, 1x VGA
Signal Output	Composite (BNC x 2)	-
Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	-
Audio Out	Stereo Audio Jack (RCA)	-
Power	DC 24 V, 2.71 A, 21 W (On)	DC 12 V, 2.5 A, 18 W (On)
Dimensions	513.2 x 324.3 x 56.2 mm (20.2" x 12.8" x 2.2")	562.4 x 352.6 x 56.2 mm (22.1" x 13.9" x 2.2")
Weight	6.2 kg ( 13.7 lb)	7.0 kg (15.4 lb)
Standards	FCC, BSMI, CE, IEC / EN 60601-1, EN 60601-1-2, MDD, RoHS, WEEE, REACH	CE, LVD, RoHS, WEEE, REACH, EAC, IEC/EN 60601-1, IEC/EN 60601-1-2
Accessories	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide	

Ordering Information	REF
Medical Monitor 22" LED DR-22	77660-2011423
Medical Monitor 24" LED MX-24	77660-2011422

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