



## ENDOSCOPIC DEVICES



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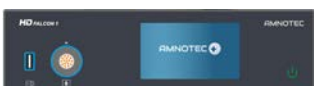






The concept "Medical Technology from Tuttlingen" stands for surgical and medical-engineering Instruments and Devices of highest quality as well as for dynamic and progress. Located at the world centre for Medical Technology in Tuttlingen / Germany, AMNOTEC with several decades of experience is one of the leading ambitious medical device manufacturers and suppliers.

The wide product portfolio includes unique variety of medical products. An important element of AMNOTEC range of services is providing state-of-the-art technologies.







AMNOTEC has specialised as an efficient full-service provider for the equipment of operating rooms. The established expertise of the entire AMNOTEC team in addition to the premium quality of the products, flexibility and an excellent customer service are the cornerstones of the company.



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SURGERY



General Surgery



Dental Instruments



ENT Instruments



Sterilization Container



Micro Surgery



Electrosurgery

ENDOSCOPY



Endoscopic Devices



Endoscopes



Laparoscopy



Endoscopic Urology



Endoscopic Gynaecology



Arthroscopy

OR-EQUIPMENT



Operating Lights



Examination Lights



Operating Tables



Accessories for OR-Tables



Intensive Care Unit Beds



Head Rest System

## 71

### Endoscopic Cameras





## AMNOCAM EAGLE 3 | 4K UHD USB

**71-062-00 UHD USB** 3 CMOS, 1/3"

without objective

- LCD touchscreen with intuitive icons for easy and safe operation
- Native progressive scan with more than 6 megapixels
- Pre-programmed, clinically proven settings for different disciplines
- Customisable user settings via ON-SCREEN-MENU (5 users can be stored)
- High sensitivity requires less illumination
- New image enhancement features for clarity and colour
- Ergonomic, waterproof camera head with 3 programmable remote control buttons (6 functions by 3 x "long press" and 3 x "short press"), STERRAD® sterilisable (autoclavable on request)
- Possibility to enter patient data via external keyboard or the touch screen
- 2.5 digital zoom
- FREEZE function to freeze the current image on the monitor
- Mirror, Flip and Rotation function
- Anti-Moiré filter for use with flexible fibrescopes
- Compatible with LED light source for automatic light control
- Automatic white and black balance
- Video recording and image storage directly to USB stick
- Improved depth of field illumination with light enhancement through camera buttons
- Extended colour space BT.2020

### Technical Data:

Video system:	Progressive Scan with 50 or 60 Hz
Image sensor:	3 x 1/3" high-sensitivity CMOS
Aspect ratio:	16 : 9
Resolution:	4K UHD, 3840(H) x 2160(V) pixels > 1,600 TV lines
Video output:	1 x HDMI 1 x SDI (3G or 12G selectable)
Interface:	3 x USB 3.0 host (2 x rear, 1 x front) 1 x RG45 Ethernet (streaming) 1 x jack (3.5 mm, ACC1/2) 1 x Mini-DIN 6 (RS232/CAN)
Keyboard/foot switch input:	Yes
Control:	Glass panel LCD touch screen
Video recording:	H264/265 compression
Image recording:	JPEG format
Mains voltage:	100 - 240 V
Power consumption:	45-55 VA
Unit dimensions:	300 x 85 x 365 mm (WxHxD)
Weight of unit:	approx. 6.5 kg
Camera head dimensions:	34 x 42 x 58 mm (WxHxD)
Weight of camera head:	approx. 90 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-1-2

### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x HDMI and 1 x BNC cable
- Instruction manual
- USB flash drive

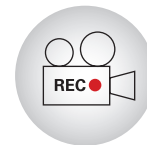
**71-062-05 UHD USB**

Unit only



**71-060-10 UHD** 3 CMOS, 1/3"

Camera head with 3 buttons for remote control and cable







## VEQTRON ONE | 4K UHD USB

**71-064-00 UHD USB** 1 CMOS,  $\frac{1}{3}$  "

without objective

- LCD touchscreen with intuitive icons for easy and safe operation
- Native progressive scan with more than 8 megapixels
- Pre-programmed, clinically proven settings for different disciplines
- Customisable user settings via ON-SCREEN-MENU (5 users can be stored)
- High sensitivity requires less illumination
- New image enhancement features for clarity and colour
- Ergonomic, waterproof camera head with 3 programmable remote control buttons (6 functions by 3 x "long press" and 3 x "short press"), STERRAD® sterilisable (autoclavable on request)
- Possibility to enter patient data via external keyboard or the touch screen
- 2.5 digital zoom
- FREEZE function to freeze the current image on the monitor
- Mirror, Flip and Rotation function
- Anti-Moiré filter for use with flexible fibrescopes
- Compatible with LED light source for automatic light control
- Automatic white and black balance
- Video recording and image storage directly to USB stick
- Improved depth of field illumination with light enhancement through camera buttons
- Extended colour space BT.2020

### Technical Data:

Video system:	Progressive Scan with 50 or 60 Hz
Image sensor:	1 x $\frac{1}{3}$ " high-sensitivity CMOS
Aspect ratio:	16 : 9
Resolution:	Native 4K UHD, 3840(H) × 2160(V) pixels > 1,800 TV lines
Video output:	1 x HDMI 1 x SDI (3G or 12G selectable)
Interface:	3 x USB 3.0 host (2 x rear, 1 x front) 1 x RG45 Ethernet (streaming) 1 x jack (3.5 mm, ACC1/2) 1 x Mini-DIN 6 (RS232/CAN)
Keyboard/foot switch input:	Yes
Control:	Glass panel LCD touch screen
Video recording:	H264/265 compression
Image recording:	JPEG format
Mains voltage:	100 - 240 V
Power consumption:	40-45 VA
Unit dimensions:	300 x 85 x 365 mm (WxHxD)
Weight of unit: approx.	6.0 kg
Camera head dimensions:	35 x 40 x 67 mm (WxHxD)
Weight of camera head:	approx. 95 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-1-2

### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x HDMI and 1 x BNC cable
- Instruction manual
- USB flash drive

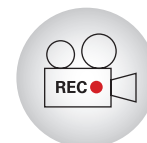
## 71-064-05 UHD USB

Unit only



## 71-064-10 UHD 1 CMOS, $\frac{1}{3}$ "

Camera head with 3 buttons for remote control and cable





## AMNOCAM FALCON 3 | HD USB

**71-057-00 HD USB** 3 CMOS, 1/3"

without objective

- LCD touchscreen with intuitive icons for easy and safe operation
- Native progressive scan with more than 6 megapixels
- Pre-programmed, clinically proven settings for different disciplines
- Customisable user settings via ON-SCREEN-MENU (5 users can be stored)
- High sensitivity requires less illumination
- New image enhancement features for clarity and colour
- Ergonomic, waterproof camera head with 3 programmable remote control buttons (6 functions by 3 x "long press" and 3 x "short press"), STERRAD® sterilisable (autoclavable on request)
- Possibility to enter patient data via external keyboard or the touch screen
- 2.5 digital zoom
- FREEZE function to freeze the current image on the monitor
- Mirror, Flip and Rotation function
- Anti-Moiré filter for use with flexible fibrescopes
- Compatible with LED light source for automatic light control
- Automatic white and black balance
- Video recording and image storage directly to USB stick
- Improved depth of field illumination with light enhancement through camera buttons

### Technical Data:

Video system:	Progressive Scan with 50 or 60 Hz
Image sensor:	3 x 1/3" high-sensitivity CMOS
Aspect ratio:	16 : 9
Resolution:	Native HD, 1920(H) x 1080(V) pixels > 1,000 TV lines
Video output:	2 x DVI-D 2 x 3G-SDI 1 x RGB or Y/Pb/Pr 2 x S-Video 2 x Composite 1 x RS-232C
Interface:	Yes
Keyboard/foot switch input:	Yes
Control:	Glass panel LCD touch screen
Video recording:	H264/265 compression
Image recording:	JPEG format
Mains voltage:	100 - 240 V
Power consumption:	35-45 VA
Unit dimensions:	300 x 85 x 365 mm (WxHxD)
Weight of unit: approx.	5.1 kg
Camera head dimensions:	34 x 42 x 58 mm (WxHxD)
Weight of camera head:	approx. 90 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-2

### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x DVI and 1 x BNC cable
- Instruction manual
- USB flash drive

**71-057-05 HD USB**

Unit only



**71-055-10 HD** 3 CMOS, 1/3"

Camera head with 3 buttons for remote control and cable





## AMNOCAM FALCON 1 | HD USB

**71-042-00 HD USB** 1 CMOS, 1/3"

without objective

- LCD touchscreen with intuitive icons for easy and safe operation
- Pre-programmed, clinically proven settings for different disciplines
- Customisable user settings via ON-SCREEN-MENU (5 users can be stored)
- High sensitivity requires less illumination
- New image enhancement features for clarity and colour
- Ergonomic, waterproof camera head with 3 programmable remote control buttons (6 functions by 3 x "long press" and 3 x "short press"), STERRAD® sterilisable (autoclavable on request)
- Possibility to enter patient data via external keyboard or the touch screen
- 2.5 digital zoom
- FREEZE function to freeze the current image on the monitor
- Mirror, Flip and Rotation function
- Anti-Moiré filter for use with flexible fibrescopes
- Compatible with LED light source for automatic light control
- Automatic white and black balance
- Video recording and image storage directly to USB stick

**71-042-05 HD USB**

Unit only

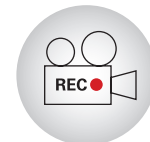


**71-040-10 HD** 1 CMOS, 1/3"

Camera head with 3 buttons for remote control and cable

### Technical Data:

Video system:	Progressive Scan with 50 or 60 Hz
Image sensor:	1 x 1/3" high-sensitivity CMOS
Aspect ratio:	16 : 9
Resolution:	Native HD, 1920(H) x 1080(V) pixels > 1,000 TV lines
Video output:	2 x DVI-D 2 x 3G-SDI 1 x RGB or Y/Pb/Pr 2 x S-Video 2 x Composite 1 x RS-232C
Interface:	Yes
Keyboard/foot switch input:	Yes
Control:	Glass panel LCD touch screen
Video recording:	H264/265 compression
Image recording:	JPEG format
Mains voltage:	100 - 240 V
Power consumption:	35-45 VA
Unit dimensions:	300 x 85 x 365 mm (WxHxD)
Weight of unit: approx.	5.1 kg
Camera head dimensions:	33 x 35 x 83 mm (WxHxD)
Weight of camera head:	approx. 100 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-1-2



### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x DVI and 1 x BNC cable
- Instruction manual
- USB flash drive



## AMNOCAM HAWK | HD

**71-047-00 HD** 1 CCD, 1/3"

without objective

- Excellent picture and colour reproduction
- Outstanding price-benefit ratio
- Pre-programmed, clinically proven settings for different disciplines
- Customisable user settings via ON-SCREEN-MENU (5 users can be stored)
- High sensitivity requires less illumination
- Ergonomic, waterproof camera head with 3 programmable remote control buttons (6 functions by 3 x "long press" and 3 x "short press"), STERRAD® sterilisable
- Possibility to enter patient data via external keyboard
- 2.5 digital zoom
- FREEZE function to freeze the current image on the monitor
- Mirror, Flip and Rotation function
- Anti-Moiré filter for use with flexible fibrescopes
- Compatible with LED light source for automatic light control
- Automatic white and black balance

**71-047-01 HD**

Unit only



**71-047-10 HD** 1 CCD, 1/3"

Camera head with 3 buttons for remote control and cable



### Technical Data:

Image sensor:	1 x 1/3" high-sensitivity CCD
Aspect ratio:	16 : 9
Resolution:	752(H) x 582(V) pixels 500 TV lines
Output resolution:	1024x768, 1280x1024, 1280x720, 1920x1080, 1920x1200
Video output:	1 x DVI-D 1 x RGB or Y/Pb/Pr 2 x S-Video 2 x Composite
Interface:	1 x RS-232C
Keyboard input:	Yes
Periphery controllable:	Yes, 3.5 mm jack
Control:	Illuminated control buttons on the front panel
Mains voltage:	100 - 240 V
Power consumption:	21 VA
Unit dimensions:	325 x 85 x 365 mm (WxHxD)
Weight of unit:	approx. 5.1 kg
Camera head dimensions:	30 x 32 x 74 mm (WxHxD)
Weight of camera head:	approx. 90 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-1-2

### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x DVI-D and 1 x S-Video cable
- HDMI plug to DVI socket
- Instruction manual



## AMNOCAM PORTABLE | HD

### 71-015-00 HD 1 CMOS, 1/3"

without objective

- Excellent picture and colour reproduction
- Outstanding price-benefit ratio
- Lightweight and portable
- Ideal for diagnostic or office use
- High sensitivity requires less illumination
- Possibility to enter patient data via external keyboard
- 18 bit digital image processor which offers superior colour rendition and a high dynamic range
- Anti-Moiré filter for use with flexible fibrescopes
- Automatic white and black balance
- Glass top on controller for easy cleaning
- Metal camera head housing for high durability

#### Technical Data:

Video system:	Progressive Scan with 50 or 60 Hz
Image sensor:	1 x 1/3" high-sensitivity CMOS
Aspect ratio:	16 : 9
Resolution:	1920(H) x 1080(V) pixels > 1,000 TV lines
Video output:	2 x DVI-D
Keyboard input:	Yes
Control:	Illuminated control buttons on the front panel
Mains voltage:	100 - 240 V
Power consumption:	22 - 30 VA
Unit dimensions:	145 x 32 x 145 mm (WxHxD)
Weight of unit:	approx. 0.5 kg
Camera head dimensions:	37 x 68 mm (ØxD)
Weight of camera head:	approx. 95 g
Device classification:	I (according to MDD 93/42/EEC)
Applied standards:	EN60601-1, IEC60601-1-2

#### Included in delivery:

- Control unit
- Camera head with 3.0 m cable
- Mains cable
- 1 x DVI-D cable
- Instruction manual

### 71-015-01 HD

Unit only

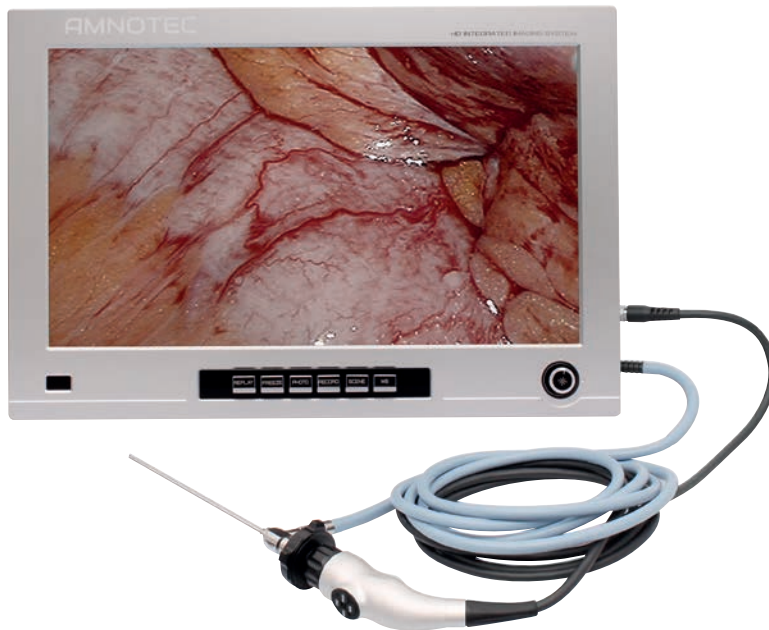


### 71-015-10 HD 1 CMOS, 1/3"

Camera head and cable







! Endoscope not included in delivery

**71-074-22 HD** 22"

AMNOPAX - Integrated Imaging System, 22" Monitor

**71-074-26 HD** 26"

AMNOPAX - Integrated Imaging System, 26" Monitor

- ALL-IN-ONE system that combines FULL HD camera, Monitor, LED light source and documentation system
- Compact and portable unit
- Compatibility with a wide range of flexible and rigid endoscopes
- Universal use in day clinics, doctors' offices, intensive care units, emergency rooms and outpatient settings

**Technical Data:**

**FULL HD CAMERA**

Sensor: 1/2" CMOS Full HD  
Resolution: 1920(H) x 1080(V) pixels, 60 fps  
Scanning: Progressive  
Min. Illuminance: 0.01 Lux  
Video output: HDMI

**MONITOR**

Aspect ratio: 16:9  
Resolution: 1920 x 1080 pixels  
Size: 22" (71-074-22 HD)  
26" (71-074-26 HD)

**LED LIGHTSOURCE**

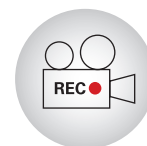
Colour temperature: 5,000 - 6,000 K  
Power consumption:  $\geq 30$  W  
Illuminance:  $\geq 700,000$  Lux  
Lifetime:  $\geq 30,000$  hrs.

**HD-RECORDER**

Resolution: H.264, 1920 x 1080  
Video/Photo format: MP4/JPEG  
Functions: Freeze/Replay/Snapshot/Record  
Storage media: Flash/SD  
Dimensions: 700 x 513 x 308 mm (WxHxD) (22"; 71-074-22 HD)  
844 x 597 x 335 mm (WxHxD) (26"; 71-074-26 HD)  
Weight: 15 kg (22"; 71-074-22 HD)  
19 kg (26"; 71-074-26 HD)

**Included in delivery:**

- Unit
- Camera head
- Objective f = 28 mm
- Light cable
- Remote control
- USB-Flash drive (64 GB)





**4K**

<b>71-081-14 UHD</b>	f = 14 mm
<b>71-081-18 UHD</b>	f = 18 mm
<b>71-081-22 UHD</b>	f = 22 mm
<b>71-081-25 UHD</b>	f = 25 mm
<b>71-081-28 UHD</b>	f = 28 mm

Objective, C-Mount



**4K**

<b>71-083-10 UHD</b>	f = 13 - 32 mm
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Zoom objective, C-Mount



**HD**

<b>71-082-18 HD</b>	f = 18 mm
<b>71-082-21 HD</b>	f = 22 mm
<b>71-082-25 HD</b>	f = 25 mm

Objective, C-Mount



**HD**

<b>71-084-10 HD</b>	f = 13 - 32 mm
---------------------	----------------

Zoom objective, C-Mount





71-095-00

Keyboard, USB-connection,  
Medical approved



71-095-04

Glass keyboard with touchpad,  
USB-connection, Medical approved

71-095-06

Glass keyboard with touchpad and numeric pad,  
USB-connection, Medical approved

71-095-90

Camera drape, disposable, sterile,  
Pack 25 pieces

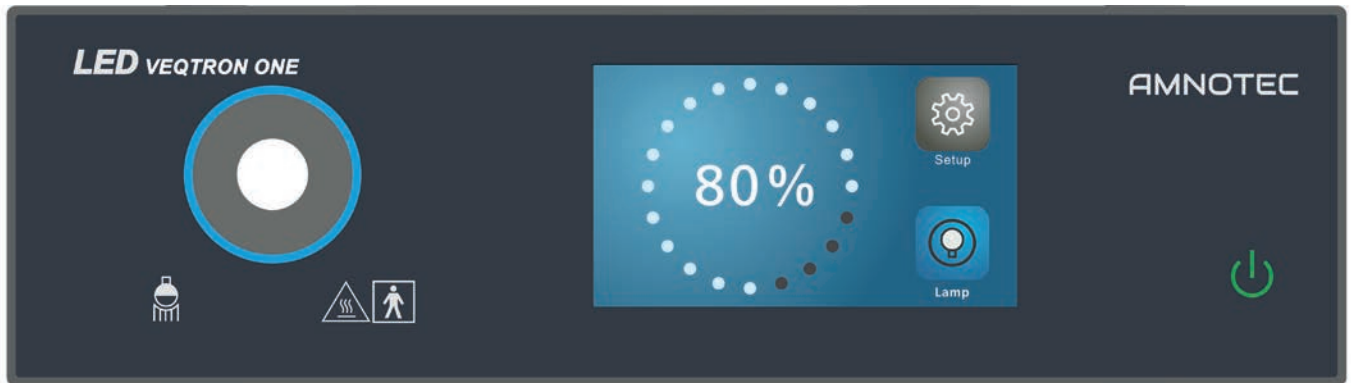


Order quantity: 25 pieces

## 71

### Cold light sources





## VEQTRON ONE | LED

### 71-116-30

Light source

- LCD touchscreen with intuitive icons for easy and safe operation
- Low noise design, the fan speed is controlled according to the temperature of the lamp module to minimize the fan airborne noise
- Over-temperature protection, automatic shut down of the lamp to prevent overheating
- Over heating recovery, fans will remain the highest speed for cooling if the light source is overheated
- More light with lower energy consumption
- Colour temperature of approx. 6.000 K equals the sunlight and guarantees an excellent aperture illumination as well as colour reproduction, especially in combination with our VECTRON ONE 4K UHD Imaging system (71-064-00 UHD USB)
- Stepless controlled light intensity, which guarantees a constant high light quality and colour temperature
- No blackout times and costly lamp exchanges
- Automatic light intensity control via the output signal of a connected VECTRON ONE 4K UHD Imaging system (71-064-00 UHD USB)
- Fiberoptic Connections Safety Feature, the lamp will not lit unless a fiberoptic cable is fully inserted into the output port
- Exchangeable light guide adapter. Standard: AMNOTEC / STORZ
- Ideal for all endoscopic interventions and diagnostic procedures

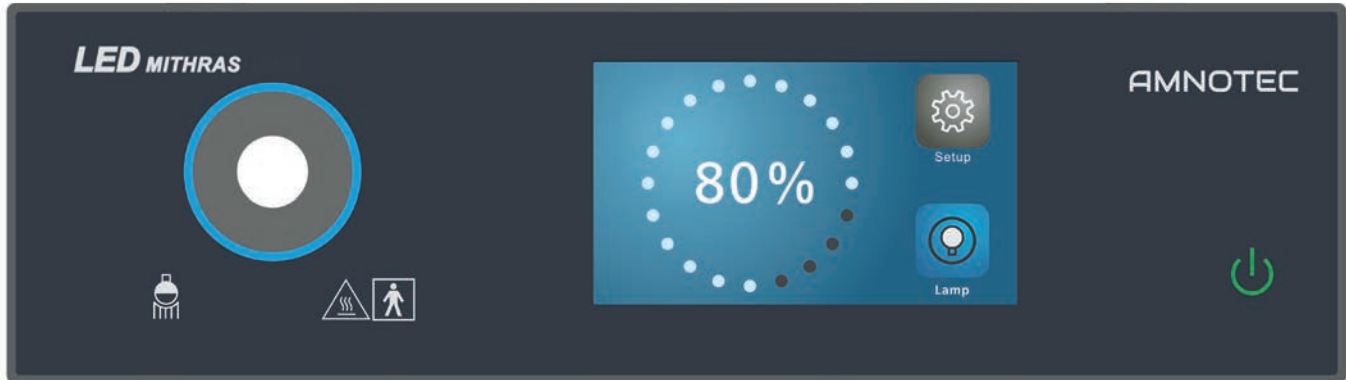
#### Technical Data:

Colour temperature:	6,000° K
LED Lifetime:	> 50,000 hrs.
Control:	Glass panel touch screen
Dimming method:	Automatic or Manual
Brightness control:	0-100% stepless adjustable
Light exit:	AMNOTEC / STORZ
Video input:	1 x BNC (Video)
Power supply:	100-120 / 200-240 V
Power consumption:	max. 150 VA
Dimensions:	300 x 85 x 365 mm (WxHxD)
Weight:	approx. 6.5 kg
Protection class:	IP 20
Medical product class:	1, BF Type
Applied standard:	IEC 60601-1
Device Classification:	Class I, acc. to MDD 93 / 42 / EEC

#### Included in delivery:

- LED light source
- Mains cable
- Instruction manual





## AMNOLIGHT MITHRAS I LED

**71-119-30**

Light source

- LCD touchscreen with intuitive icons for easy and safe operation
- Low noise design, the fan speed is controlled according to the temperature of the lamp module to minimize the fan airborne noise
- Over-temperature protection, automatic shut down of the lamp to prevent overheating
- Over heating recovery, fans will remain the highest speed for cooling if the light source is overheated
- More light with lower energy consumption
- Colour temperature of approx. 6.000 K equals the sunlight and guarantees an excellent aperture illumination as well as colour reproduction, especially in combination with our AMNOCAMS
- Stepless controlled light intensity, which guarantees a constant high light quality and colour temperature
- No blackout times and costly lamp exchanges
- Automatic light intensity control via the output signal of a connected AMNOCAMS
- Fiberoptic Connections Safety Feature, the lamp will not lit unless a fiberoptic cable is fully inserted into the output port
- Exchangeable light guide adapter. Standard: AMNOTEK / STORZ
- Ideal for all endoscopic interventions and diagnostic procedures

### Technical Data:

Colour temperature:	6,000° K
LED Lifetime:	> 50,000 hrs.
Control:	Glass panel touch screen
Dimming method:	Automatic or Manual
Brightness control:	0-100% stepless adjustable
Light exit:	AMNOTEK / STORZ
Video input:	1 x BNC (Video)
Power supply:	100-120 / 200-240 V
Power consumption:	max. 150 VA
Dimensions:	300 x 85 x 365 mm (WxHxD)
Weight:	approx. 6.5 kg
Protection class:	IP 20
Medical product class:	1, BF Type
Applied standard:	IEC 60601-1
Device Classification:	Class I, acc. to MDD 93 / 42 / EEC

### Included in delivery:

- LED light source
- Mains cable
- Instruction manual



## AMNOLIGHT MINI | LED

71-102-10

- Intensive lightning
- 5 adjustable brightness levels
- Water resistant
- Incl. USB-Magnetic chip
- Ergonomic design
- Long life time battery

### Technical Data:

Power consumption:	10 VA
Brightness:	max. 1,000 lumens
Brightness level:	Turbo   High   Medium   Low   Moon
Light exit:	Wolf
Dimensions:	63 x 21 mm
Weight:	51 g incl. battery
Battery life:	Turbo 37 min.
	High 45 min.
	Medium 3 hrs. 40 min.
	Low 20 hrs.
	Moon 8 days

### Included in delivery:

- Light source
- Battery
- USB-Magnetic chip

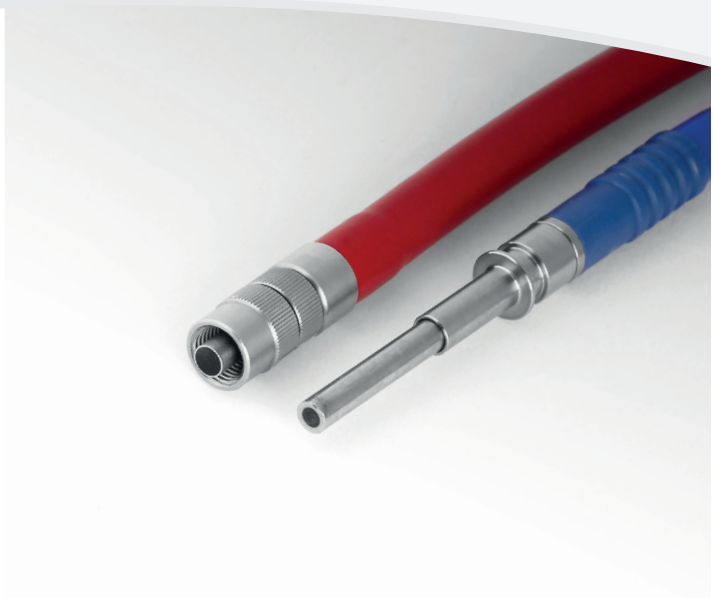


71-102-90

Cleaning adapter for AMNOLIGHT MINI 71-102-10

# 71

## Cold light cables

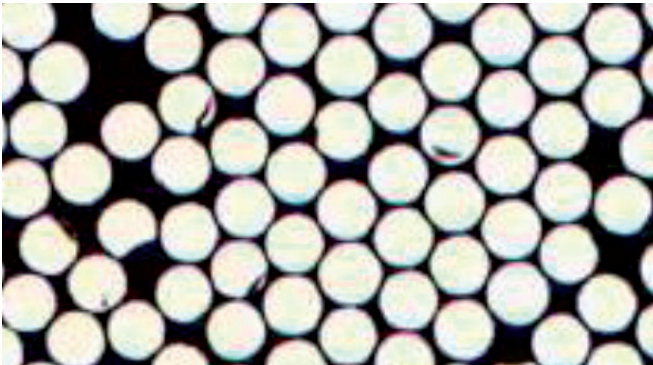


In our special cold light cables for Xenon and LED light sources, the glass fibres on the light entry are not any more clued but fused and pressed by means of a special and patented production procedure. Thereby the fibres are hexagonally deformed which allows an accurately fitting in the fibre bundle. The spaces in between disappear and the glass share adds up to 100%. The transmission increases proportionally by approx. 20% compared to standard cold light cables. In combination with the special convex lenses in our Xenon and LED cold light sources, a 50% higher light transmission can be achieved.

Since there are no organic adhesives anymore, these new fibre optic cables no longer burn at the light entry, which used to be a typical cause of failure with conventional cold light cables. The high-performance fibre optic cables are extremely temperature resistant at the point of light entry.

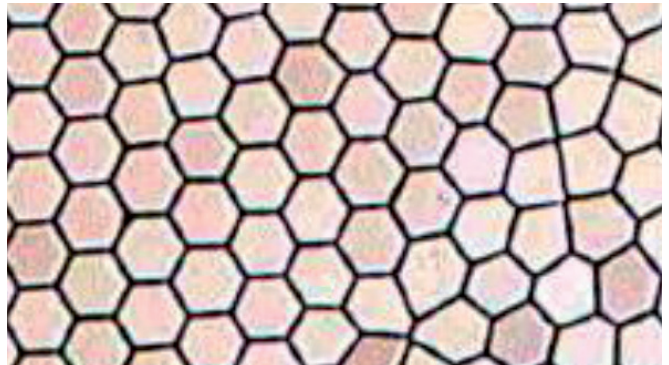
Different packing density of fused and clued cold light cables

## HALOGEN



Clued fibres (round)

## XENON / LED



Fused fibres (hexagonal)

## LED

Our new LED cold light cables with specially developed glass fibres have been designed and are fabricated for the use with state-of-the-art LED light sources. By enhancing the transmission effectiveness of an already well-established and first-choice fibre optic light cable, the light output and illumination - when operated with a LED light source together with a modern **HD | 4K** UHD endoscope - can be visibly and measurably increased.





Cold light cables for LED cold light sources



Ø 2.5 mm for Endoscopes Ø 1.7 - 2.0 mm

## LED

	Cable, only	Cable with 2 adapters (AMNOTEC I STORZ)
Length	Ø 2.5 mm	Ø 2,5 mm
180.0 cm	<b>71-133-18</b>	<b>71-133-18 C</b> ■
230.0 cm	<b>71-133-23</b>	<b>71-133-23 C</b> ■
250.0 cm	<b>71-133-25</b>	<b>71-133-25 C</b> ■
300.0 cm	<b>71-133-30</b>	<b>71-133-30 C</b> ■
400.0 cm	<b>71-133-40</b>	<b>71-133-40 C</b> ■
500.0 cm	<b>71-133-50</b>	<b>71-133-50 C</b> ■

Cold light cables for LED cold light sources



Ø 3.5 mm for Endoscopes Ø 2.7 - 4.0 mm

Ø 4.8 mm for Endoscopes Ø 5.0 - 10.0 mm

## LED

	Cable, only	Cable, only	Cable with 2 adapters (AMNOTEC I STORZ)	Cable with 2 adapters (AMNOTEC I STORZ)
Length	Ø 3.5 mm	Ø 4.8 mm	Ø 3.5 mm	Ø 4.8 mm
180.0 cm	<b>71-134-18</b>	<b>71-136-18</b>	<b>71-134-18 C</b> ■	<b>71-136-18 C</b> ■
230.0 cm	<b>71-134-23</b>	<b>71-136-23</b>	<b>71-134-23 C</b> ■	<b>71-136-23 C</b> ■
250.0 cm	<b>71-134-25</b>	<b>71-136-25</b>	<b>71-134-25 C</b> ■	<b>71-136-25 C</b> ■
300.0 cm	<b>71-134-30</b>	<b>71-136-30</b>	<b>71-134-30 C</b> ■	<b>71-136-30 C</b> ■
350.0 cm	<b>71-134-35</b>	<b>71-136-35</b>	<b>71-134-35 C</b> ■	<b>71-136-35 C</b> ■
400.0 cm	<b>71-134-40</b>	<b>71-136-40</b>	<b>71-134-40 C</b> ■	<b>71-136-40 C</b> ■
500.0 cm	<b>71-134-50</b>	<b>71-136-50</b>	<b>71-134-50 C</b> ■	<b>71-136-50 C</b> ■



Cold light cables for Xenon cold light sources



Ø 2.5 mm    for Endoscopes Ø 1.7 - 2.0 mm

XENON

	Cable, only	Cable with 2 adapters (AMNOTEC   STORZ)
Length	Ø 2.5 mm	Ø 2.5 mm
180.0 cm	71-123-18	71-123-18 C
230.0 cm	71-123-23	71-123-23 C
250.0 cm	71-123-25	71-123-25 C
300.0 cm	71-123-30	71-123-30 C
400.0 cm	71-123-40	71-123-40 C
500.0 cm	71-123-50	71-123-50 C

Cold light cables for Xenon cold light sources



Ø 3.5 mm    for Endoscopes Ø 2.7 - 4.0 mm

Ø 4.8 mm    for Endoscopes Ø 5.0 - 10.0 mm

XENON

	Cable, only	Cable, only	Cable with 2 adapters (AMNOTEC   STORZ)	Cable with 2 adapters (AMNOTEC   STORZ)
Length	Ø 3.5 mm	Ø 4.8 mm	Ø 3.5 mm	Ø 4.8 mm
180.0 cm	71-124-18	71-126-18	71-124-18 C	71-126-18 C
230.0 cm	71-124-23	71-126-23	71-124-23 C	71-126-23 C
250.0 cm	71-124-25	71-126-25	71-124-25 C	71-126-25 C
300.0 cm	71-124-30	71-126-30	71-124-30 C	71-126-30 C
350.0 cm	71-124-35	71-126-35	71-124-35 C	71-126-35 C
400.0 cm	71-124-40	71-126-40	71-124-40 C	71-126-40 C
500.0 cm	71-124-50	71-126-50	71-124-50 C	71-126-50 C



Cold light cables for VEQTRON ICG/NIR Twinlight LED-LASER



Ø 4.8 mm for Endoscopes Ø 5.0 - 10.0 mm

ICG/NIR








	Cable, only	Cable with 2 adapters (AMNOTEC)
Length	Ø 4.8 mm	Ø 4.8 mm
230.0 cm	71-146-23 NIR	71-146-23 NIR C
300.0 cm	71-146-30 NIR	71-146-30 NIR C
350.0 cm	71-146-35 NIR	71-146-35 NIR C



The complete ICG/NIR product range you will find in our VEQTRON catalogue

Adapter unit side

Adapter endoscope side

						
<b>71-128-00</b>	<b>71-128-01</b>	<b>71-128-03</b>	<b>71-128-04</b>	<b>71-129-00</b>	<b>71-129-01</b>	<b>71-129-04</b>
AMNOTEC STORZ AESCULAP LINVATEC WISAP	WOLF HSW DYONICS MEDICON COMEG	OLYMPUS NEW (switch)	ACMI BRITISH CODMAN STRYKER WELCH ALLYN	AMNOTEC STORZ AESCULAP WINTER & IBE WISAP	WOLF Snap HSW DYONICS MEDICON	OLYMPUS NEW

! Further adapters for all current endoscopes and light sources available on request

## 71

### Laparoscopy CO<sub>2</sub> Insufflators





## AMNOFLOW 20

**71-202-20**

**71-202-20 H**

Gas flow: 0.1 - max. 20 l / min

## AMNOFLOW 45

**71-202-45**

**71-202-45 H**

Gas flow: 0.1 - max. 45 l / min

H = with CO<sub>2</sub> heating

- Advanced Continuous Flow
- Microprocessor controlled for highest patient safety
- Optical and acoustical warning signals in case of over-pressure
- Active exsufflation in case of constant over-pressure
- Possible connection to CO<sub>2</sub>-bottle as well as central gas supply.  
Easy adjustment via integrated software

### Technical Data:

Insufflation pressure:	0-30 mmHg
Power supply:	100-240 VAC
Frequency:	50 / 60 Hz
Power consumption:	25-40 VA
	25-105 VA (Model with CO <sub>2</sub> heating)
Dimensions:	355 x 105 x 253 mm (WxHxD)
Weight:	6.5 kg
Insufflation media:	Medical CO <sub>2</sub>
Gas connection:	UNF 7/16"
Protection class:	I (acc. to IEC 60601-1)
Safety class:	BF
IP code:	IP31
Standard:	IEC 60601-1-2 / IEC 60601-1-1
Device classification:	IIb (acc. to MDD 93/42/EEC)

### Included in delivery:

- Insufflator
- Mains cable
- CO<sub>2</sub> high pressure tube UNF/DIN (German)
- Wrench set SW 14 / SW 30
- Sterile filter
- Silicone insufflation tube
- Instruction manual
- „H“ Models: CO<sub>2</sub>-Heater with silicone tube set and thermal conductor





<b>71-290-05</b>	50 St. / pcs.
<b>71-290-10</b>	100 St. / pcs.
<b>71-290-25</b>	250 St. / pcs.
<b>71-290-50</b>	500 St. / pcs.



Sterile filters, disposable



Order quantity: 5 pieces



**71-291-00** 2,5 m

Silicone tube set, for AMNOFLOW LAP CO<sub>2</sub> Insufflators, reusable, autoclavable, LUER-LOCK male connection, Unit 5 pcs.



Order quantity: 15 pieces



**71-291-01** 2,5 m

High-Flow disposable insufflation tube, sterile, Unit 15 pcs.



Order quantity: 5 pieces



**71-291-02** 2,5 m

Silicone tube set with thermal conductor for AMNOFLOW LAP CO<sub>2</sub> Insufflators with heating, reusable, autoclavable, LUER-LOCK male connection, Unit 5 pcs.



**71-292-02**

Heating device without thermal conductor for Insufflators with heating, autoclavable



**71-292-04**

Thermal conductor with silicone tube end for Insufflators with heating, autoclavable



**71-294-02** DIN - SW 30

**71-294-03** DIN - SW 27

**71-294-05** UNF- SW 17

Wrench for high pressure tube



**71-295-00** DIN

CO<sub>2</sub>-Gas bottle, empty, 0.75 kg



**71-295-02** PIN-Index

CO<sub>2</sub>-Gas bottle, empty, 0.75 kg



**71-293-00** 1,0 m

High pressure tube, connectors DIN / DIN (German)



**71-293-01** 1,0 m

High pressure tube, connectors UNF / DIN (German)



**71-293-04** 1,0 m

High pressure tube, connectors UNF / UNF



**71-293-06** 1,0 m

High pressure tube, connectors UNF / PIN-Index



**71-293-08** 1,0 m

High pressure tube, connectors UNF / ISO

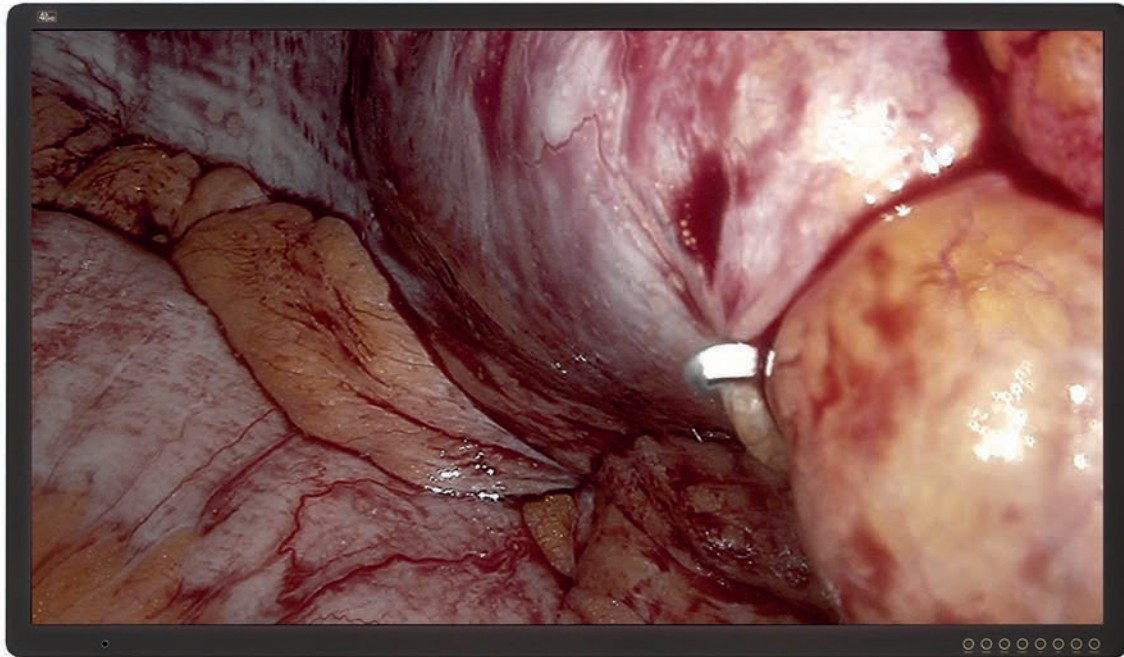
Further lengths available upon request



# 71

## Monitors





**4K**

**71-336-55 UHD 55"**

4K UHD LCD (LED) Colour Monitor, PiP,  
without stand

**! ATTENTION:** This monitor can only be mounted to  
equipment trolley 71-701-55 on page (56)

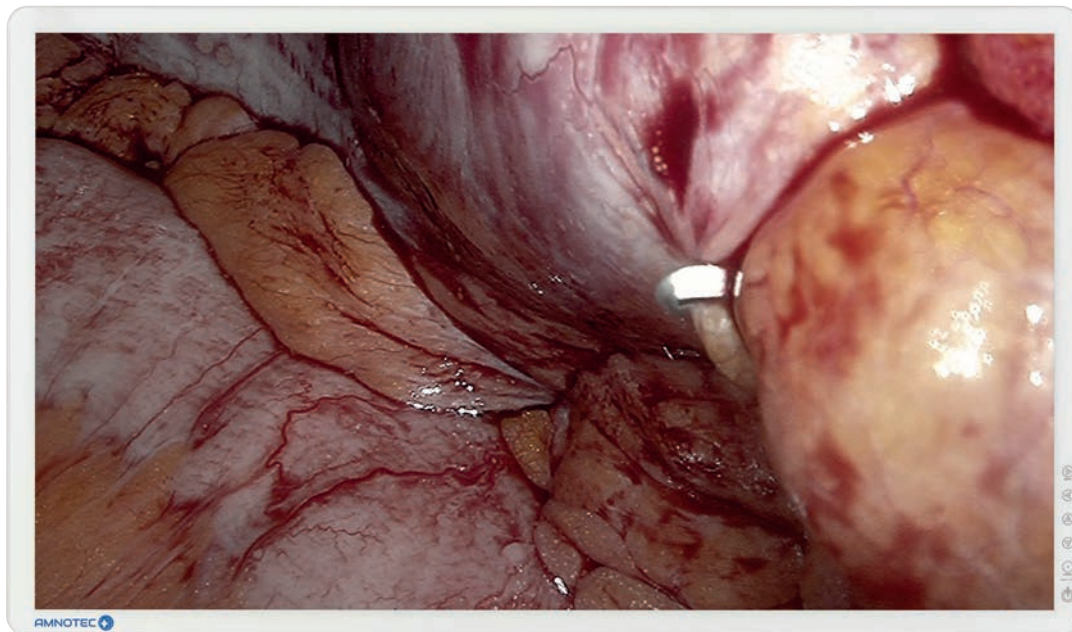
- Ultra-High resolution and outstanding colour saturation
- Razor-sharp image clarity, allowing doctors to focus on critically important procedure decisions
- Multi-signal inputs allow for windowing options using "Picture in Picture" and "Picture by Picture" layouts
- Designed and developed to satisfy the medical industry's needs, including 24/7 operation
- Rounded bezel corners, wide viewing angles, and a backlit touch menu, allow for safe and efficient interaction

**Technical Data:**

Panel size:	55" LCD (LED)
Display size:	1209.6 x 680.4 mm
Pixels:	3840 (H) x 2160 (V)
Response time:	6 ms
Aspect ratio:	16:9
Viewing angle:	178°
Brightness:	500 cd/m²
Dimensions:	1278 x 756 x 82.5 mm (WxHxD)
Weight:	37.35 kg
Colours:	1.08 Billion
Contrast ratio:	4000:1
Video input:	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 2 x DVI (dual link)
Video output:	1 x DVI (single link) 1 x DP 1.2 (SST)
Other connections:	USB (Service) RS-232C
Power requirement:	90-270 V
Power consumption:	max. 210 VA
Regulations:	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, IEC 60601-1, IEC 60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device

**Included in delivery**

- Monitor
- Mains cable
- DP cable
- HDMI cable
- DVI-D cable
- Remote control and batteries
- Instruction manual



## 4K

### 71-322-43 UHD 43"

4K UHD LCD Colour Monitor, Compact Display System, without stand

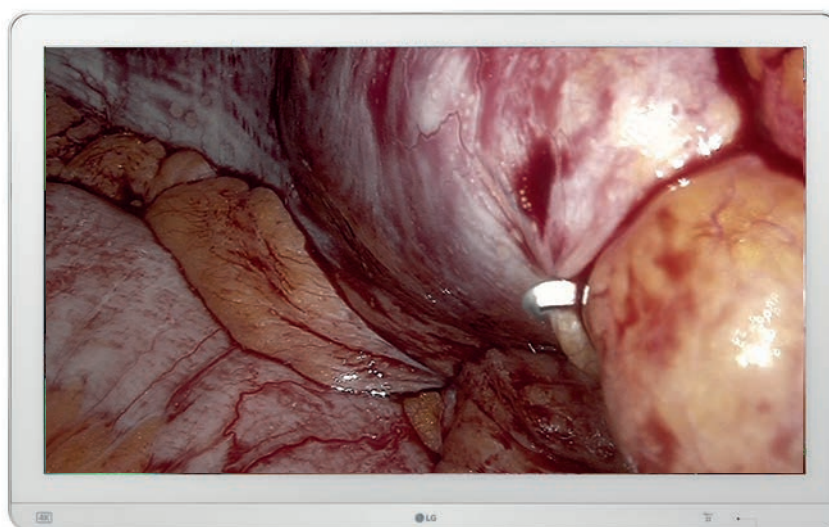
- Completely closed aluminum housing
- Extremely scratch-proof aluminosilicate glass with AR-Coating
- Special zone cooling system without any mechanically moving parts and maintenance-free
- Engineered for permanent 24/7 operation
- Internal 43" UHD display with all-round viewing angle
- Superior image quality
- Hygienic design

#### Technical Data:

Panel size:	43" LCD
Display size:	941.2 x 529.4 mm
Pixels:	3840 (H) x 2160 (V)
Response time:	8 ms
Aspect ratio:	16:9
Viewing angle:	178°
Brightness:	700 cd/m <sup>2</sup>
Dimensions:	997 x 588 x 73 mm (WxHxD)
Weight:	approx. 24.0 kg
Colours:	1.07 Billion
Contrast ratio:	3000:1
Video input:	1 x DP 1 x DVI
Power requirement:	100-240 V / 50/60 Hz
Power consumption:	max. 200 VA
Regulations:	IEC 60601-1, IEC 60601-1-2

#### Included in delivery

- Monitor
- Mains cable
- DP cable
- DVI-D cable
- Instruction manual
- Optional: HDMI-DVI Adapter



**4K**

**71-322-32 UHD 32 "**

4K UHD IPS Colour Monitor

- Superior picture quality for fine surgery
- Allows accurate reproduction of HDR 10 contents
- Mirror and Rotation Mode
- "Picture by Picture" and "Picture in Picture" mode
- The support up to 4 "Picture by Picture" allows medical professionals to see a combination of endoscopic and fluoroscopic images while monitoring vital signs.
- Anti-reflection protection glass IP35

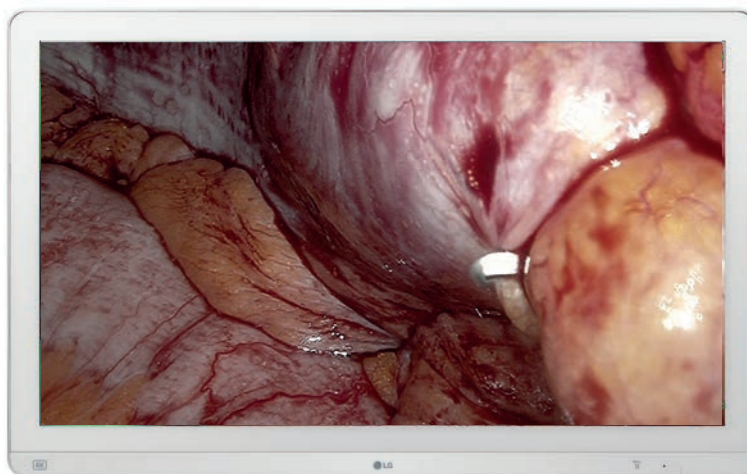
**Technical Data:**

Panel size:	31.5" IPS
Pixels:	3840 (H) x 2160 (V)
Response time:	14 ms (Off-setting), 5 ms (Faster-setting)
Aspect ratio:	16:9
Viewing angle:	178° (R/L, U/D)
Brightness:	800 cd/m2
Contrast ratio:	1000:1
Video input:	1 x HDMI 1 x DP 1 x DVI 1 x 3G-SDI
DICOM Compliant:	Yes
HW Calibration:	Yes (True Color Pro)
HDR:	HDR 10
Dimensions:	764.6 x 480.8 x 94.4 mm (BxHxT)
Weight:	approx. 12.2 kg
Power supply:	100-240 V / 50/60 Hz
Power consumption:	max. 120 VA
Regulations:	IEC 60601-1, IEC 60601-1-2

**Included in delivery**

- Monitor
- Mains adapter
- HDMI cable
- DP cable
- Instruction manual




**4K**
**71-322-27 UHD 27 "**

4K UHD VA Colour Monitor

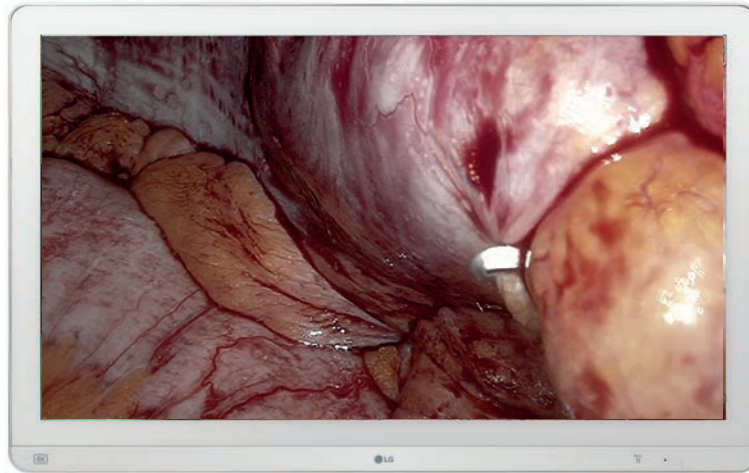
- Superior picture quality for fine surgery
- Allows accurate reproduction of HDR 10 contents
- Mirror and Rotation Mode
- "Picture by Picture" and "Picture in Picture" mode
- The support up to 4 "Picture by Picture" allows medical professionals to see a combination of endoscopic and fluoroscopic images while monitoring vital signs.
- Anti-reflection protection glass IP35

**Technical Data:**

Panel size:	27" LCD
Pixels:	3840 (H) x 2160 (V)
Response time:	5 ms (GtG at faster)
Aspect ratio:	16:9
Viewing angle:	178° (R/L, U/D)
Brightness:	800 cd/m2
Contrast ratio:	1000:1
Video input:	1 x HDMI 1 x DP 1 x DVI 1 x 3G-SDI
DICOM Compliant:	Yes
HW Calibration:	Yes
HDR:	HDR 10
Dimensions:	650.8 x 411.7 x 66.6 mm (WxHxD)
Weight:	approx. 8 kg
Power supply:	100-240 V / 50/60 Hz
Power consumption:	max. 120 VA
Regulations:	IEC 60601-1, IEC 60601-1-2

**Included in delivery**

- Monitor
- Mains adapter
- HDMI cable
- DP cable
- Instruction manual



## HD

### 71-320-27 HD 27 "

4K UHD IPS/LCD-Colour Monitor

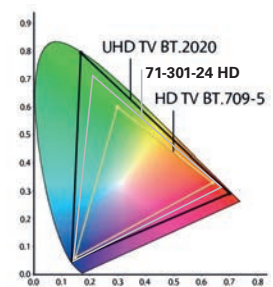
- Superior picture quality for fine surgery
- Clearer and brighter colour reproduction, especially in the red colour spectrum
- Brightness stabilization mode
- Flicker Safe reduces the onscreen flicker level to almost zero, which helps minimize eye strain and eye fatigue
- Anti-reflection protection glass IP35

#### Technical Data:

Panel size:	27" LCD
Display size:	597,8 x 337 mm
Pixels:	1920 (H) x 1080 (V)
Response time:	5 ms
Aspect ratio:	16:9
Viewing angle:	178° (R/L. U/D)
Brightness:	1000 cd/m <sup>2</sup>
Dimensions:	656,4 x 412,9 x 62,2 mm (WxHxD)
Weight:	7,7 kg
Contrast ratio:	1000:1
Video input:	1 x HDMI 1 x S-Video 1 x Composite 1 x 3G-SDI 1 x DVI
Power requirement:	100-240 V / 50/60 Hz
Power consumption:	max. 120 W
Regulations:	IEC 60601-1, IEC 60601-1-2

#### Included in delivery

- Monitor
- Mains adapter
- HDMI cable
- DVI-D cable
- Instruction manual

**HD****71-301-24 HD** 24 "

HD LCD Colour Monitor, 3G Multi-Format, PiP,  
without stand

**71-310-02**

Stand for LCD monitor 24" and 26"

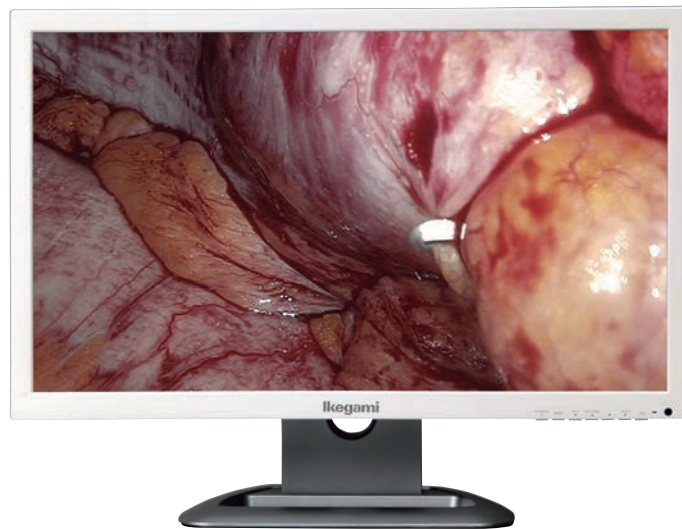
- Wider colour gamut than EBU / AMPTE standard (102% NTSC)
- New full flat design Panel
- Jaggy-less I/P Conversion Process
- High level resolution
- New IPS panel with LED backlight (400cd/m<sup>2</sup>)
- True colour display (1.07 Billion colour gradient)
- Multi-signal inputs allow for windowing options using picture-in-picture and picture-by-picture layouts

**Technical Data:**

Panel size:	24" LCD
Display size:	518 x 324 mm
Pixels:	1920 (H) x 1080 (V)
Aspect ratio:	16:10
Viewing angle:	178°
Brightness:	400 cd/m <sup>2</sup>
Dimensions:	640 x 405 x 84 mm (WxHxD)
Weight:	8.0 kg
Colour gradient:	1.07 Billion
Contrast ratio:	1500:1
Video process engine:	10-bit
Video input:	1 x BNC 1 x S-Video 1 x DVI-D 1 x RGB oder Y/Pb/Pr 1 x 3G-SDI
Power requirement:	DC 24V / 3.3A
Safety Approval:	UL60601-1 / CSA C22.2 No.601.1
EMC:	FCC Class A / VCCI Class A

**Included in delivery**

- Monitor
- Mains cable
- Instruction manual



## HD

### 71-301-21 HD 21,5 "

HD LCD Colour Monitor, 3G Multi-Format,  
with stand

- Strong rugged construction, but light in weight
- New Anti-Reflection hard coat screen
- 16.7 Million colour graduation
- High level resolution and contrast
- Very wide viewing area (170°)
- VESA mounting
- 10-bit signal processing allows smooth gradation of colour
- Rapid response time

#### Technical Data:

Panel size:	21.5" LED
Display size:	477 x 268 mm
Pixels:	1920 (H) x 1080 (V)
Aspect ratio:	16:9
Viewing angle:	170°
Brightness:	250 cd/m <sup>2</sup>
Dimensions:	515 x 390 x 182 mm (WxHxD)
Weight:	Monitor 4.35 kg / Stand 1.15 kg
Colour gradient:	8-bit (16.7 Million colours)
Contrast ratio:	1000:1
Video process engine:	10-bit
Video input:	1 x BNC 1 x HDMI 1 x DVI-D 1 x RGB 1 x 3G/HD-SDI
Power requirement:	AC 100-120V / 200-240V ± 10% ± 10% 50/60 Hz
Medical approved:	MPG
EU regulations:	CE

#### Included in delivery

- Monitor
- Mains cable
- Stand
- Instruction manual

## 71

### Suction / Irrigation pumps





## AMNOPUMP POLY LAP-HYS

71-435-00

- Universal multi-procedure fluid management system for endoscopic applications
- Possibility to add several license keys to use it in Arthroscopy, Urology or Spine. All endoscopic procedures can be installed onto one single device
- Irrigation is achieved by peristaltic roller pump, Suction by built in vacuum pump
- Pressure sensor enables virtual pressure monitoring inside body cavities and avoids potentially harmful overpressure situations for the patient
- High-resolution full colour LCD touch screen
- Balancing In- and Out-Flow
- A wireless footswitch is optional available to control additional functions

### Technical Data:

Pressure range:	Hysteroscopy:	10-200 mmHg ( $\pm 10\%$ )
	Laparoscopy:	not applicable
Flow range:	Hysteroscopy:	100-500 ml/min ( $\pm 10\%$ )
	Laparoscopy:	100-2,200 ml/min ( $\pm 10\%$ )
Suction:	Vacuum:	max. 480 mmHg ( $\pm 10\%$ )
	Flow:	max. 2,200 ml/min
Power supply:	100-240 V AC / 50-60 Hz	
Power consumption:	80 VA	
Dimensions unit:	360 x 133 x 354 mm (WxHxD)	
Weight unit:	approx. 8.2 kg	
Protection class:	I (acc. to IEC 60601-1)	
Device classification:	I (according to IEC 60601-1)	
Applied standards:	EN60601-1, IEC60601-1-2	

### Included in delivery

- Suction bottle, autoclavable, with holder
- Silicone tube for irrigation, autoclavable
- Silicone tube for suction, autoclavable, including filter
- Mains cable
- Spare fuses
- Instruction manual

### Optional

71-445-10

Licence key **ARTHROSCOPY**

71-455-10

Licence key **UROLOGY**

71-465-10

Licence key **SPINE**





## AMNOPUMP POLY LAP-ART

**71-445-00**

- Universal multi-procedure fluid management system for endoscopic applications
- Possibility to add several license keys to use it in Arthroscopy, Urology or Spine. All endoscopic procedures can be installed onto one single device
- Irrigation is achieved by peristaltic roller pump, Suction by built in vacuum pump
- Pressure sensor enables virtual pressure monitoring inside body cavities and avoids potentially harmful overpressure situations for the patient
- High-resolution full colour LCD touch screen
- Balancing In- and Out-Flow
- A wireless footswitch is optional available to control additional functions

### Technical Data:

Pressure range:	Arthroscopy:	10 - 150 mmHg ( $\pm 10\%$ )
	Laparoscopy:	not applicable
Flow range:	Arthroscopy:	100 - 2,000 ml/min ( $\pm 10\%$ )
	Laparoscopy:	100 - 2,200 ml/min ( $\pm 10\%$ )
Suction:	Vacuum:	max. 480 mmHg ( $\pm 10\%$ )
	Flow:	max. 2,200 ml/min
Power supply:	100 - 240 V AC / 50 - 60 Hz	
Power consumption:	80 VA	
Dimensions unit:	360 x 133 x 354 mm (WxHxD)	
Weight unit:	approx. 8.2 kg	
Protection class:	I (acc. to IEC 60601-1)	
Device classification:	I (according to IEC 60601-1)	
Applied standards:	EN60601-1, IEC60601-1-2	

### Included in delivery

- Suction bottle, autoclavable, with holder
- Silicone tube for irrigation, autoclavable
- Silicone tube for suction, autoclavable, including filter
- Mains cable
- Spare fuses
- Instruction manual

### Optional

#### 71-435-10

Licence key **HYSTEROSCOPY**

#### 71-455-10

Licence key **UROLOGY**

#### 71-465-10

Licence key **SPINE**



## AMNOPUMP POLY LAP-URO

71-455-00

- Universal multi-procedure fluid management system for endoscopic applications
- Possibility to add several license keys to use it in Arthroscopy, Urology or Spine. All endoscopic procedures can be installed onto one single device
- Irrigation is achieved by peristaltic roller pump, Suction by built in vacuum pump
- Pressure sensor enables virtual pressure monitoring inside body cavities and avoids potentially harmful overpressure situations for the patient
- High-resolution full colour LCD touch screen
- Balancing In- and Out-Flow
- A wireless footswitch is optional available to control additional functions

### Technical Data:

Pressure range:	Urology:	10-150 mmHg ( $\pm 10\%$ )
	Laparoscopy:	not applicable
Flow range:	Urology:	100-1,100 ml/min ( $\pm 10\%$ )
	Laparoscopy:	100-2,200 ml/min ( $\pm 10\%$ )
Suction:	Vacuum:	max. 480 mmHg ( $\pm 10\%$ )
	Flow:	max. 2,200 ml/min
Power supply:	100-240 V AC / 50-60 Hz	
Power consumption:	80 VA	
Dimensions unit:	360 x 133 x 354 mm (WxHxD)	
Weight unit:	approx. 8.2 kg	
Device classification:	I (according to IEC 60601-1)	
Applied standards:	EN60601-1, IEC60601-1-2	

### Included in delivery

- Suction bottle, autoclavable, with holder
- Silicone tube for irrigation, autoclavable
- Silicone tube for suction, autoclavable, including filter
- Mains cable
- Spare fuses
- Instruction manual

### Optional

71-435-10

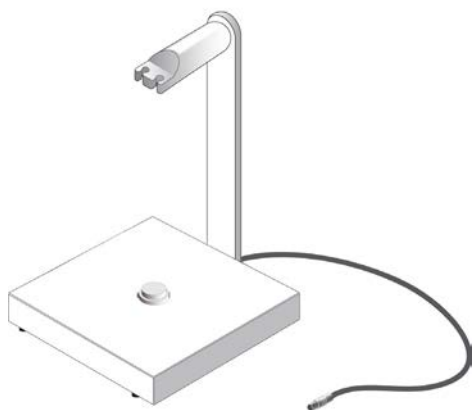
Licence key **HYSTEROSCOPY**

71-445-10

Licence key **ARTHROSCOPY**

71-465-10

Licence key **SPINE**



**71-435-50**

Balance unit



**71-435-55**

Pan for balance unit



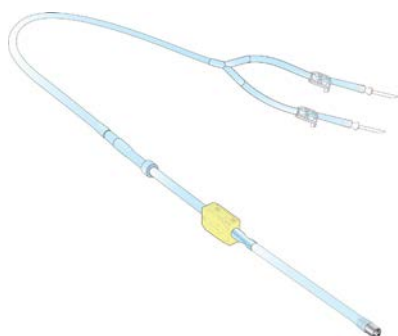
**71-445-30**

Foot switch, wireless, including battery and charger



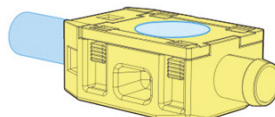
**71-445-32**

Charger for foot switch



**71-495-20**

Silicone tube for irrigation, autoclavable, not steril



**71-495-22**

Measuring chamber with pump segment, autoclavable, not steril



Order quantity: 10 pieces



**71-495-24**

Spare membrane for measuring chamber, autoclavable, not steril



#### 71-495-32

Silicone tube for suction,  
autoclavable, not steril



#### 71-495-40

Hydrophobic filter for suction tube,  
autoclavable, not steril



#### 71-495-42

Suction bottle, 2 litres, autoclavable,  
not steril



#### 71-495-44

Holder for suction bottle

# 71

## Urology Morcellation system





## AMNOPIKE - Urology Morcellation System

71-530-00

- For use in Holmium Laser Enucleation of the Prostate (HoLEP)
- Smooth and stable working in all speed ranges
- Reusable morcellation blade
- Large and clearly visible user interface facilitates reading of essential parameters of the device
- Clockwise, counterclockwise and oscillation modes
- Wide range of rotational and oscillation speeds
- Controlled by a footswitch
- Fully autoclavable, light and ergonomic morcellation handpiece
- Inbuilt suction pump
- Simple, intuitive operation
- Compact and practical unit

### Control unit:

Dimensions:	325 x 160 x 360 mm (WxHxD)
Weight:	8.7 kg
Power supply:	220 V, 50 Hz
Power consumption:	max. 200 VA
IEC Classification:	I - BF

### Handpiece:

Length:	200 mm
Weight:	319 g
Speed range:	FWD / REV: 200-6,000 RPM OSC: 200-3,000 RPM
Cable length:	2.5 m
Sterilisation method:	Plasma or Ethylenoxid
Control:	Suction flow

### Footswitch:

Dimensions:	105 x 70 x 190 mm (WxHxD)
Weight:	1.26 kg
Cable length:	2.3 m
Functions:	START / STOP Direction Speed

### Included in delivery:

- Morcellator control unit
- Morcellator handpiece
- Morcellator blade
- Footswitch
- Tissue collection bottle, including overflow device
- Suction tube
- Mains cable



## 71

### Equipment carts





## AMNOCART

71-700-20 PREMIUM

! Further models and specification available upon request!

- High torsional stiffness & stability due to the constructive design of the base
- Powder-coated steel base with two lateral vertical profiles and a lockable central media column
- Max. load capacity 180 kg
- Space-saving integration of an isolating transformer (optional) possible
- High-quality, antistatic dual wheels with locking brakes
- Easy and direct manoeuvring of the fully-stocked equipment cart with the help of the handle
- Due to the low height of the shelves (only 18 mm), there is more room for system components
- A mechanical locking device ensures that the drawer does not open when the trolley is moved
- Easy to access and therefore easy to clean

### Technical Data:

4 x Shelves 50 x 49 cm, adjustable, max. load capacity 30 kg  
 1 x Drawer 41 x 40 x 8.5 cm (WxDxH), distributed load 3 kg  
 1 x Monitor holder up to 14 kg VESA75/100, rotatable and inclinable  
 1 x Multiple socket with 6 plug-boxes Schuko and power cable L. 5 m

Dimensions: 165,5 x 679 x 65 cm (HxWxD)  
 Colour surface: RAL 9016 traffic white, powder-coated  
 Decor elements: RAL 9016



## AMNOCART

**71-700-30** BASIC

! Further models and specification available upon request!

- Due to the compact die-cast base, a payload of up to 65 kg is possible
- Space-saving integration of an isolating transformer (optional) possible
- High-quality, antistatic dual wheels with locking brakes
- Easy and direct manoeuvring of the fully-stocked equipment cart with the help of the handle
- Secure grip of the devices due to the increased circumferential spill edge
- Cable management is possible via the open column at the front, which is closed with cover strips
- Easy to access and therefore easy to clean

### Technical Data:

4 x Shelves 42.4 x 43 cm, adjustable, max. load capacity 20 kg  
 1 x Monitor holder up to 14 kg VESA75/100, rotatable and inclinable  
 1 x Multiple socket with 3 plug-boxes Schuko and power cable L. 5 m

Dimensions: 165.1 x 56.2 x 66,2 cm (HxWxD)  
 Colour surface: RAL 7035 light grey, powder-coated  
 Decor elements: RAL 9016



**71-705-30**

Holder for camera head



**71-705-32**

Holder with clamp for camera head



**71-705-31**

Universal holder for camera head and other equipment

**71-095-20**

Keyboard tray with mousepad, for trolley 71-700-20

**71-095-30**

Keyboard tray with mousepad, for trolley 71-700-30



**71-705-34**

Holder for gas bottles 3, 5, 10 L



**71-705-36**

Holder for gas bottles 20, 50 L



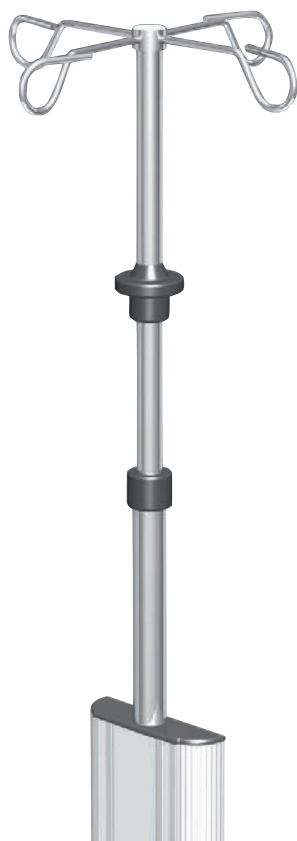
**71-705-38**

Holder for irrigation bottles 1 L, Ø 120 mm



**71-705-40**

Holder for secretion bottles 2 L, Ø 145 mm



**71-705-42** for AMNOCART **CLASSIC** 71-700-10

**71-705-43** for AMNOCART **PREMIUM** 71-700-20

Stand for infusion bottles, max. load: 4 x 5 kg



**71-705-44** for AMNOCART **CLASSIC** 71-700-10

**71-705-45** for AMNOCART **PREMIUM** 71-700-20

Holder for flexible endoscopes



! Not suitable for 71-700-30! Risk of tipping!

#### 71-705-46

Swivel arm, single, for second TFT-monitor, max. load: 3 - 10 kg

#### 71-705-48

Swivel arm, single, for second TFT-monitor, max. load: 8 - 14 kg



! Not suitable for 71-700-30! Risk of tipping!

#### 71-705-50

Swivel arm, double, for second TFT-monitor, max. load: 3 - 10 kg

#### 71-705-52

Swivel arm, double, for second TFT-monitor, max. load: 8 - 14 kg

! Further accessories available on request





## WORKSTATION

### 71-701-43

- Special TFT-holder for 43" monitor
- High torsional stiffness & stability due to the constructive design of the base
- Shelves are height adjustable
- High-quality, antistatic dual wheels with locking brakes
- Easy and direct manoeuvring of the fully-stocked equipment cart with the help of the handle
- Easy to access and therefore easy to clean
- Camera head holder included

#### Technical Data:

- 1 x Top console 49.3 x 51 cm, max. load 10 kg
- 2 x Shelves 49.3 x 45 cm, max. load 45 kg
- 1 x Socket support shelf 49.3 x 41 cm, max load: 45 kg
- 1 x TFT-monitor holder up to 18 kg VESA 200 x 400
- 1 x Multiple socket with 4 plug-boxes Schuko and power cable L. 3 m

Dimensions: 175.0 x 92.5 x 55.3 cm (HxWxD)  
Colour surface: Light grey



## WORKSTATION

### 71-701-52 NIR

- High torsional stiffness & stability due to the constructive design of the base
- Max. load capacity 33.0 kg
- Monitor holder and shelves are height adjustable
- High-quality, antistatic dual wheels with locking brakes
- Easy and direct manoeuvring of the fully-stocked equipment cart with the help of the handle
- Easy to access and therefore easy to clean
- Camera head holder included
- Easy mounting of the optional Third module / compartment 71-701-20 NIR (NOT included in delivery)

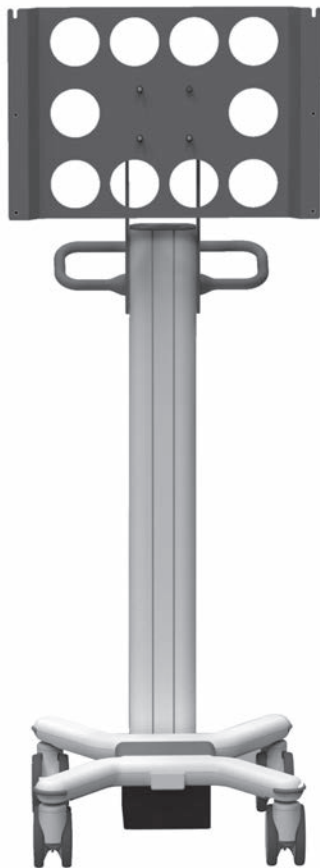
#### Technical Data:

2 x Shelves 41 x 37.5 cm, height adjustable,  
max. load capacity 11 kg (top) and 8 kg (bottom)  
1 x TFT-monitor holder up to 14 kg VESA75/100, height adjustable  
1 x Multiple socket with 4 plug-boxes Schuko and power cable L. 3 m

Dimensions: 125.5 x 55.5 x 70 cm (HxWxD)  
Colour surface: Light grey

### 71-701-20 NIR

Third module / compartment



! Only suitable for 55" Monitor

## WORKSTATION

### 71-701-55

- High torsional stiffness & stability due to the constructive design of the base
- Specially made for 55" Monitors with maximum weight of 38 kg
- Additional weights underneath the base prevent the trolley from tipping over
- High-quality, antistatic dual wheels with locking brakes
- Easy and direct manoeuvring of the fully-stocked equipment cart with the help of the handle
- Easy to access and therefore easy to clean

#### Technical Data:

1 x Monitor holder up to 38 kg VESA 600x400  
 Dimensions: 125,5 x 55,5 x 62 cm (HxWxD)  
 Colour surface: Light grey

## 71

### Archiving and documentation systems





**4K**

## MediCap® MVR PRO 4K

**71-900-40 UHD**

4K Image and video recorder

**71-900-45**

Foot switch



- Medical 4K image and video recorder. Records 4K videos and still images from standard medical video sources to internal hard drive, external USB drive or network drive (DICOM optional)
- Simple to use: The unique built-in 5.7" touch screen includes intuitive icons making the recorder very easy to use
- Full patient workflow and advanced network connection, including WiFi, Bluetooth and DICOM option (71-900-41), for easy and fast retrieval of patient information, transfer of video files and network storage
- Rugged and compact metal case and fluid resistant buttons

**Optional available:**

- Foot switch with 3.5 mm jack
- Dicom worklist retrieval and store option (71-900-41)

**Technical Data:**

Video inputs	Multi-Input 2 x HDMI DVI (with adapter) 4x SDI Square Devision 4K (with converter MVC Pro SDI to HDMI)
Video input resolutions:	4K on input 1 only: 3840 x 2160p30/25 Both inputs (1+2): 1920 x 1200p60 1080p60/50/30/25 1080i60/50 1280 x 1024p60/50 720p60/50
Video recording resolutions:	3840 x 2160 1920 x 1200 1920 x 1080 1280 x 1024 1280 x 720
Video outputs:	1 x HDMI DVI (with adapter)
Sound recording:	Bluetooth Mic Headset Mic (4-poles) USB Mic (Audio embedded in Video)
USB:	USB 3.0 Super speed USB hard drive (FAT32, NTFS, exFAT)
Foot switch / trigger:	3.5 mm, mini jack
Dimensions:	173 x 153 x 50 mm (WxHxD) Touchscreen closed
Weight:	1.2 kg
Power supply:	AC 100-240V 50/60Hz 3 prong AC jack
Image formats:	JPG, PNG
Video formats:	MP4 / H.264 or HEVC
Network storage:	1000/100/10Mbit/s
Internal storage:	128GB (Extension on request)
External storage:	USB flash drive, USB hard drive, Network (optional via DICOM)
Class:	1
Certifications:	CE93/42/EEC EN 60601-1:2006/A1:2013/A12:2014 (IEC 60601-1 ed 3.1) CAN/CSA C22.2 No.60601-1-2:2014–Edition 3 FCC Part 15 RoHS3/PSE/ISO 13485: 2016

**Included in delivery:**

- MediCap® MVR PRO
- USB flash drive
- HDMI cable
- Wi-Fi / BT antenna
- HDMI to DVI adapter
- Mains cable
- Instruction manual



## FSN Medical 4K Video Recoder

### 71-900-50 UHD

4K Image and video recorder

- Record video and capture still images in crystal-clear 4K resolution
- Motion image capture recording
- 4 TB internal hard disk drive
- Plug-and-play: Simple and intuitive use
- Supports DICOM SCU storage
- Supports DICOM work lists
- Simultaneously record to internal HDD and external USB flash drive
- Supports Sony® medical color printer
- Multi-language user interface
- Image and video capture could be remote controlled via the camera head of a connected AMNOCAM endoscopy camera or via footswitch (optional)

#### Technical Data:

Video input:	HDMI 2.0 Display Port 1.4 12G-SDI, 2SI, Quad Audio: 2x 3,5 mm Stereo
Video output:	HDMI 2.0 Loop-through: 12G-SDI, 2SI, Quad Audio: 3.5 mm Stereo
Video recording resolutions:	3840 x 2160P 4096 x 2160P
Still image capture resolution:	3840 x 2160P 4096 x 2160P
DICOM:	DICOM Store (image/video), work list, MPPS appointment booking (HL7)
USB support:	USB 3.0, 2 front connector, 2 rear connectors
Footswitch / Trigger:	2x 3.5 mm stereo jack
Dimensions:	260 x 95 x 330 mm (WxHxD)
Weight:	4.1 kg
Power supply:	AC 100-240V 50/60Hz, 60 W
Image formats:	JPEG, BMP, DICOM
Video formats:	H.264, H.265
Networking:	Ethernet RJ45 x 1 (10/100/1000M)
Internal storage:	Internal hard drive, 4 TB
External storage:	External SSD hard drive, USB flash drive
Printer Support:	Yes
Class:	1
Certifications:	CE-MDD 93/42/EEC Class 1 Medical Device, UL 60601-1, IEC60601-1, EN 60601-1-2, FCC Part 15B, CCC, ISO9001, ISO13485, RoHS

#### Included in delivery:

- FSN Medical 4K Video Recorder
- HDMI cabel
- DisplayPort cabel
- 4 SDI cabel
- Mains cable
- Instruction manual



**HD****MediCap® MVR PRO HD****71-900-30 HD**

HD Image and video recorder

**71-900-45**

Foot switch

- Medical HD image and video recorder. Records HD videos and still images from standard medical video sources to internal hard drive, external USB drive or network drive (DICOM optional)
- Simple to use: The unique built-in 5.7" touch screen includes intuitive icons making the recorder very easy to use
- Full patient workflow and advanced network connection, including WiFi, Bluetooth and DICOM option (71-900-41), for easy and fast retrieval of patient information, transfer of video files and network storage
- Rugged and compact metal case and fluid resistant buttons

**Optional available:**

- Foot switch with 3.5 mm jack
- Dicom worklist retrieval and store option (71-900-41)

**Technical Data:**

Video inputs	Multi-Input 2 x HDMI DVI (with adapter)
Video input resolutions:	Both inputs (1+2): 1920 x 1200p60 1080p60/50/30/25 1080i60/50 1280 x 1024p60/50 720p60/50
Video recording resolutions:	1920 x 1200, 1920 x 1080, 1280 x 1024, 1280 x 720
Video outputs:	1 x HDMI DVI (with adapter)
Sound recording:	Bluetooth Mic Headset Mic (4-poles) USB Mic (Audio embedded in Video)
USB:	USB 3.0 Super speed USB hard drive (FAT32, NTFS, exFAT)
Foot switch / trigger:	3.5 mm, mini jack
Dimensions:	173 x 153 x 50 mm (WxHxD) Touchscreen closed
Weight:	1.2 kg
Power supply:	AC 100-240V 50/60Hz 3 prong AC jack
Image formats:	JPG, PNG
Video formats:	MP4 / H.264 or HEVC
Network storage:	1000/100/10Mbit/s
Internal storage:	128GB (Extension on request)
External storage:	USB flash drive, USB hard drive, Network (optional via DICOM)
Class:	1
Certifications:	CE93/42/EEC EN 60601-1:2006/A1:2013/A12:2014 (IEC 60601-1 ed 3.1)

**Included in delivery:**

- MediCap® MVR PRO
- USB flash drive
- HDMI cable
- Wi-Fi / BT antenna
- HDMI to DVI adapter
- Mains cable
- Instruction manual



## FSN Medical HD Video Recorder

### 71-900-35 HD

HD Image and video recorder

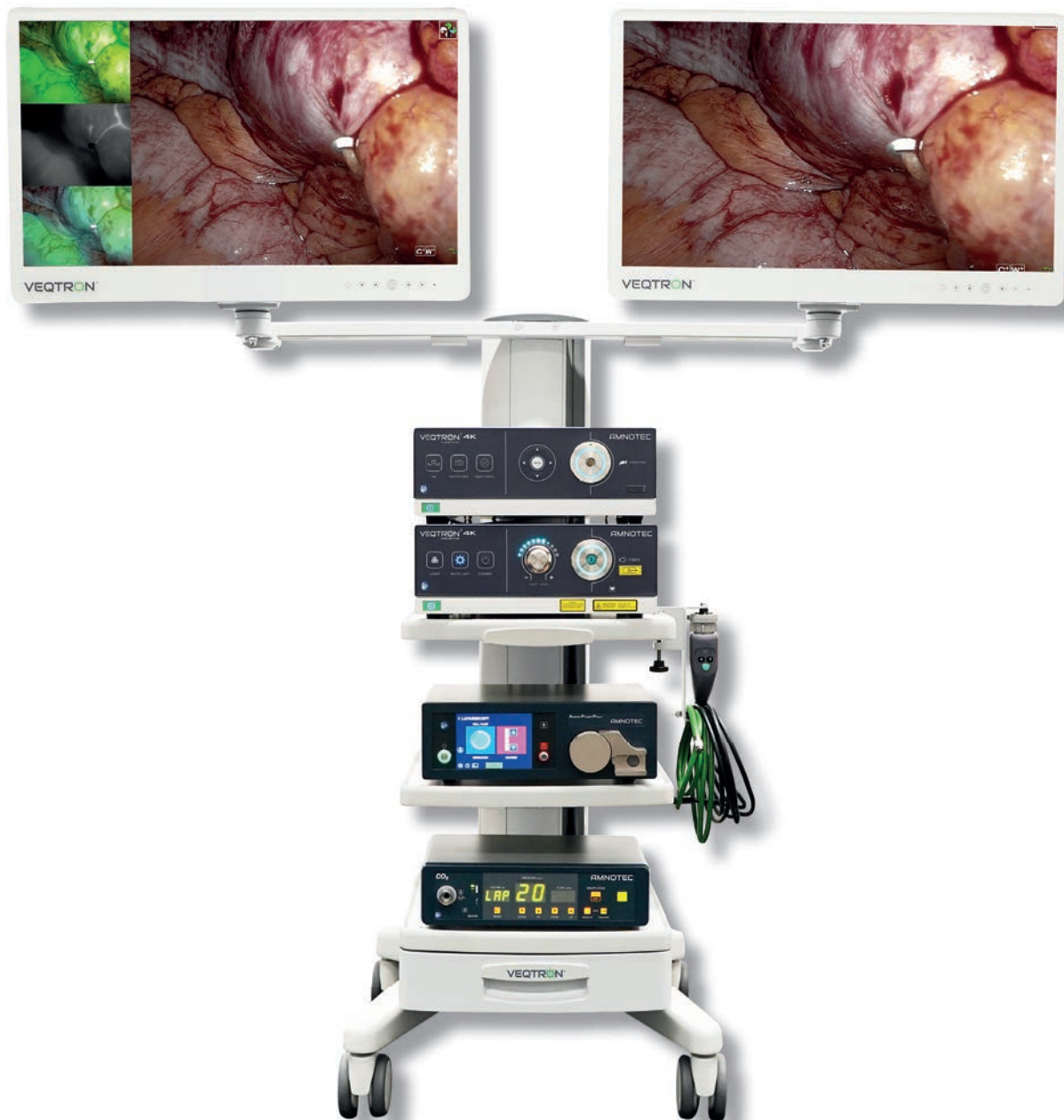
- Record full HD video
- Motion image capture recording
- 1 TB internal hard disk drive
- Plug-and-play: Simple and intuitive use
- Supports DICOM SCU storage
- Supports DICOM work lists
- Simultaneously record to internal HDD and external USB flash drive
- Supports Sony® medical color printer
- Multi-language user interface
- Image and video capture could be remote controlled via the camera head of a connected AMNOCAM endoscopy camera or via footswitch (optional)

#### Technical Data:

Video input:	DVI-D (bis zu 1920 x 1200p/60) 3G SDI   BNC (bis zu 3G) Composite Video   BNC (NTSC, PAL) Audio: 2x 3.5 mm Stereo
Video output:	DVI-D Loop out: 3G SDI Audio: 3.5 mm Stereo
Video recording resolutions:	1920 x 1080P
Still image capture resolution:	1920 x 1080P
Data I/O:	USB 2.0, 1 front connector, 3 rear connectors RS 232C   DB9 (female) Keyboard / Mouse   USB type
Footswitch / Trigger:	2x 3.5 mm stereo jack
Dimensions:	250 x 80 x 300 mm (WxHxD)
Weight:	2.9 kg
Power supply:	AC 100-240V 50/60Hz, 32.5 W
Image formats:	JPEG, BMP, DICOM
Video formats:	H.264, AVI, MOV
Networking:	Ethernet RJ45 x 2 (10/100/1000M)
Internal storage:	Internal hard drive, 1TB
External storage:	External SSD hard drive, USB flash drive
Printer Support:	Sony UP-DR80MD medical colour printer
Class:	1
Certifications:	UL 60601.1, EN 60601, CE, MDD 93/42/EEC, ISO 9001, ISO 13485 Class 1 Medical Device, RoHS, HIPPA Compliance, SSL Certificate

#### Included in delivery:

- FSN Medical HD Video Recorder
- DVI-D cabel
- DisplayPort cabel
- 4 SDI cabel
- Mains cable
- Instruction manual





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