Light source
LED VISION [K]
Instruction manual

LED Light source for endoscopic applications

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General Information

Thank you for purchasing a product from our company and therefore have placed your trust in a modern and high-quality device. Our name stands for long years of experience and diligence in the development and production of light sources and camera systems.

These operating instructions should assist you in familiarizing you with the function and operation of the device you purchased. Before you use the device for the first time, please read the operating manual carefully so that any risk to the user and the patient can be excluded. Always store the operating manual with the device!

Data of the Device

You will find the technical data that must always be provided when ordering spare parts or other question on the model plate (back of the device).

Warranty

Important! The warranty period is one year according to our warranty conditions. Unauthorized opening of the device and repairs, i.e. modifications by persons not authorized by the manufacturer release us from any liability for the operating reliability of the device. Any warranty entitlement therefore expires during the warranty period. Wear parts are excluded from the warranty.

Services, Repairs, Modifications

Advice! All services, such as regular inspections, repairs, modifications, calibrations, etc. may only be performed by the manufacturer or by expressly authorized persons, in consideration of the special safety regulations for medical and technical equipment. Completed services must be entered in the table „Maintenance report“ findable in annex. We recommend at least an annual maintenance.

Responsibility

As the manufacturer of the device, we only consider us to be responsible for the impact on the safety, reliability and performance of the unit, if:

- Assembly, upgrade, resetting, modifications or repairs are carried out by persons authorized by us.
- the electrical installation of the particular area meets the requirements of the respective country.
- the device is used in accordance with the instruction manual.

Reporting requirement

The user must report all serious incidents occurring in connection with the product to the manufacturer and the competent authority of the Member State in which the user is established.

Rights

Disposal

According to the provisions of the European directive 2012/19/EU on used electrical and electronic equipment (WEEE), this symbol signifies that the product may not be disposed of as unsorted municipal waste, but must be collected separately. Contact your dealer regarding the return and / or the collection systems available in your country.

Safety reference / Place the equipment

Intended purpose / intended use

The device described in these instructions serves as a basic device for generating/providing light to illuminate the surgical site (surgical field) during minimally invasive surgical procedures (endoscopy).

Only use the device with accessories, consumables and disposable items that are marked as accessories by the manufacturer or whose safety-related and biologically harmless usability has been proven.

Qualifications of the user / operator

⚠ The unit may only be used by persons with the appropriate professional qualifications and who have been trained on this unit. Before using the unit, the user must be convinced of the reliability and the proper condition of the unit.

Storage and operating conditions

- Storage temperature: - 20°C to +60°C
- Operating temperature: +10°C to +40°C

- relative humidity – Storage: 10% to 90%
- relative humidity - Operation: 30% to 75%

- Atmospheric pressure - Storage: 600 mbar to 1300 mbar
- Atmospheric pressure - Operation: 700 mbar to 1060 mbar

Replacement device

Have a replacement device ready for incalculable emergencies (worst-case scenario).

Safety measures for setup and operation

⚠ For proper operation of the unit and to avoid possible hazards you observe the following precautions:

- Only place the unit on a base secured against tipping.
- The device may only be used in rooms that are installed according to national valid standards. The environmental temperature and the relative humidity must correspond to the values listed above (see storage and operation conditions). If the instrument was exposed to extreme temperatures during transport it should be acclimatized to room temperature prior to operation.
- The plug-in device for a potential equalization should be properly connected. The control unit is basically grounded via the 3-pin type F plug, if it is connected to a grounded power cord as prescribed. When operating the device in rooms of application group 2 according to DIN VDE 0100 it is essential that the device is connected to the stationary potential equalization of the room or the equipment truck by an appropriate cable. The device has an appropriate plug-in connector (according to DIN 42801).
- Use only the power cord provided for the power connection.
- This device may only be connected to a supply network with a protective conductor
- Check if the local mains voltage corresponds to the voltage range of the instrument!
- The patient and the following parts must not be touched at the same time:
  - Touchable contacts of connectors
  - Contacts of fuse holders that are accessible during the replacement of fuses
- Install the instrument in a way that there is always a suitable flow of fresh air.
- Operating the unit in explosion-prone areas is prohibited.
- The safe operation of the device is guaranteed up to a height of 3000m.
- The connection of two or more devices can lead to a higher leakage current.
- Electro-medical devices are subject to specific precautions concerning electromagnetic compatibility (EMC). Observe the following information prior to operation:
  - Mobile communication devices can interfere with the function of other electronic devices. Switch off your mobile phone or similar devices close to medical devices or medical facilities.
  - Use solely the enclosed cables and original spare parts (see chapter Unpacking / Standard equipment).. The use of other cables and spare parts may lead to a reduced interference resistance and to an increased emitted interference.
  - If the present medical device is stacked or placed directly next to other electronic devices the whole configuration and the present medical device has to be tested for correct function.

- The device must not be operated near flammable gases or flammable substances, and within the direct patient environment.
- Connectors of fiber optics and the lamp unit might be hot. Please observe a cooling time of 15 minutes before changing or replacing parts.
- Do not look into the light beam, light guide output or endoscope light beam during operation! This can be injurious to the eyes!
- Light with high radiant energy coming out of the light exit window of the endoscope can lead to a raising temperature in the tissue in front of the light exit window and can thus damage the tissue or it can lead to coagulations.
- Never cover the fiber optic connector (fire hazard)!
- The failure of the illumination during an operation can endanger the patient indirectly. It is recommended to provide a ready spare instrument.
- Never switch on the device without lamps! Check the correct fitting of the lamps.
- The combustion chamber is in the cold state under high pressure and can explode if handled improperly. The lamp replacement may be performed only by trained personnel observing the following precautions:
  · Wear protective clothing, gloves and eye protection glasses when inserting or removing the lamps!
  · Don't throw the old lamp undamaged into the garbage waste! Wrap the old lamps into a thick cloth and smash it with a hammer or send used lamps (in original packaging) back to the manufacturer for disposal!
  · Only transport the lamps in the original packaging!

⚠ **Attention!** Use only high-performance light cables / high-temperature-resistant light guides!

Description of the unit

This LED light source is a high quality light source that offers you high light intensity with low heat conduction by improved LED technology. This light source is designed for use in every endoscopic discipline.

The colour temperature equals daylight quality. This allows an accurate color representation.

The brightness is controlled manually by means of buttons on the front of the device or via the automatic function. In the standard version, the light source is equipped with a Storz adapter; a device version with a multi-adapter is optionally available.

The device is designed according to the latest findings concerning safety of medical devices and complies with the requirement set out in (EU) 2017/745.

CE

Installation and activation

Receiving inspection

The device and the delivered accessories have to be examined for completeness and apparent damages on receipt. To assert your rights, transport damages must be reported immediately (within 24 hours) to the deliverer. Please always use the original packing if you return the device and the additional instruments. Describe the error / misfunction and attach the address of a contact person for possible requests.

Unpacking / standard equipment

Carefully remove the unit and the included accessories from the packaging. Check the delivery for completeness and for possible damage from transportation. If the delivery should provide a cause for complaint, please contact the manufacturer or supplier immediately. Store the original packaging, as these can be reused for any possible future shipping.

- Basic equipment: Light source, Power cord (1,80m), Operating Manual
- Optional equipment: Video cable (1,80m)

Installation

Perform a visually inspection before using the product. Make sure that the mechanical condition of the product does not impair safe use. Make sure that the product has been properly cleaned / disinfected and tested before use. Guarantee that the fan area, as well as the ventilation louver not blocked. Behind the light source must be at least 10 cm of free space.

⚠ **Attention!** Establish all cable connections prior to switching the unit on!

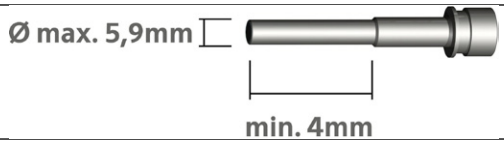
- **Connect the power cord!** Use the supplied power cord to connect the device to the line voltage. Verify that the line voltage displayed on the device is correct. Plug the device only into a grounded protective contact socket.

- **Connect the light guide!** Plug the light guide into the adapter.

⚠ **Attention!** Use only high-performance light cables / high-temperature-resistant light guides!

⚠ **Attention!** Before connecting a light cable into a light source adapter of the equipment, please ensure that you have the correct plug and adapter. A wrong light guide could result in damage of the optic inside. It can also be a significant loss of light, because the proximal end of the fiber optics can't be positioned correctly to the adapter.

- Insert the fibre optic into the supplied adaptor (Standard: STORZ). The fibre optic must snap in securely.
- Optionally the light source is delivered with TURRET adaptor. You can connect fibre optics of different makes to the TURRET adaptor. The following fibre optics can be used for the connection to the TURRET adaptor:

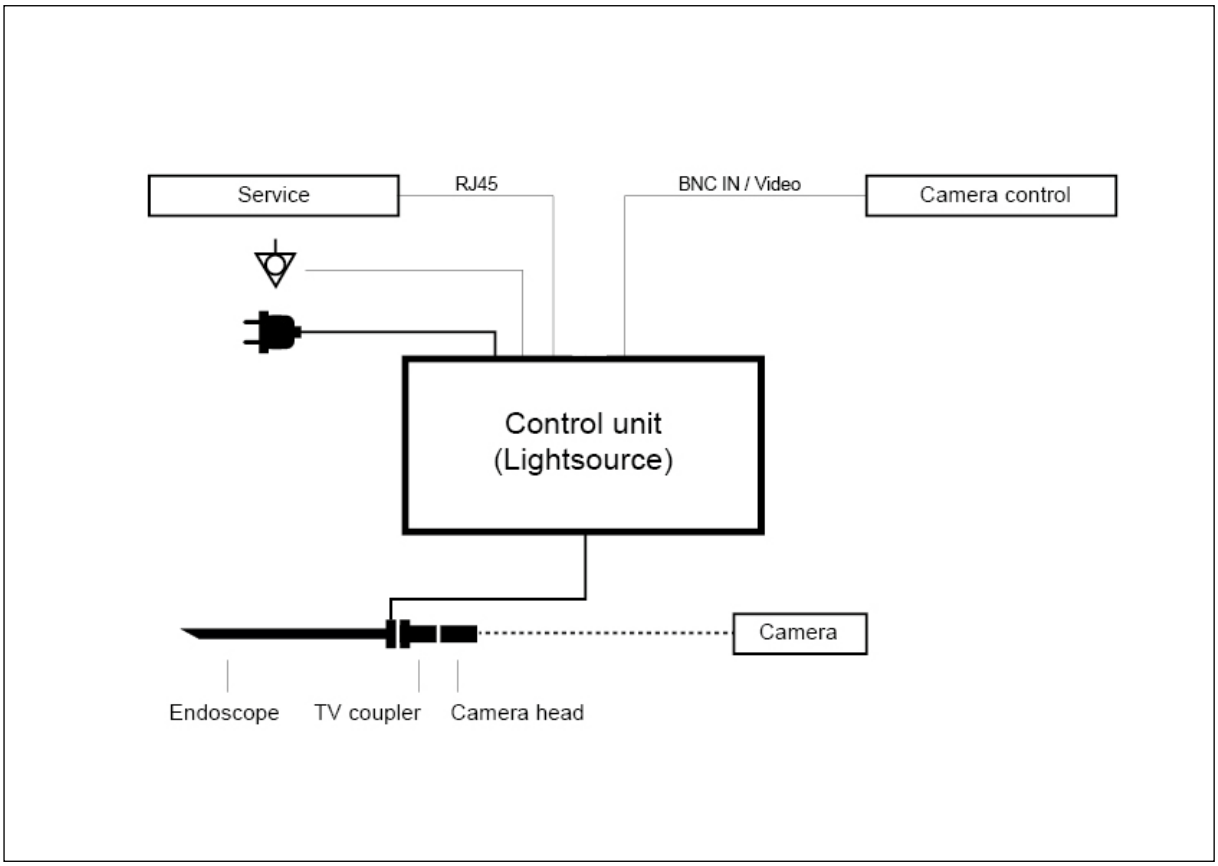
STORZ	
WOLF	
ACMI	
OLYMPUS	

⚠ **Attention!** In order to avoid unwanted light emission, the light guide output of the TURRET adapter may only be selected when the device is switched off.

- **Connect the equipotential terminal!** Connect the unit to the stationary potential equalization of the room or the equipment truck by an appropriate cable. Observe the local safety rules!

⚠ **Attention!** If use the potential equalization, please note the requirements of IEC 60601-1 (current edition). Don't use this terminal as protective ground connection!

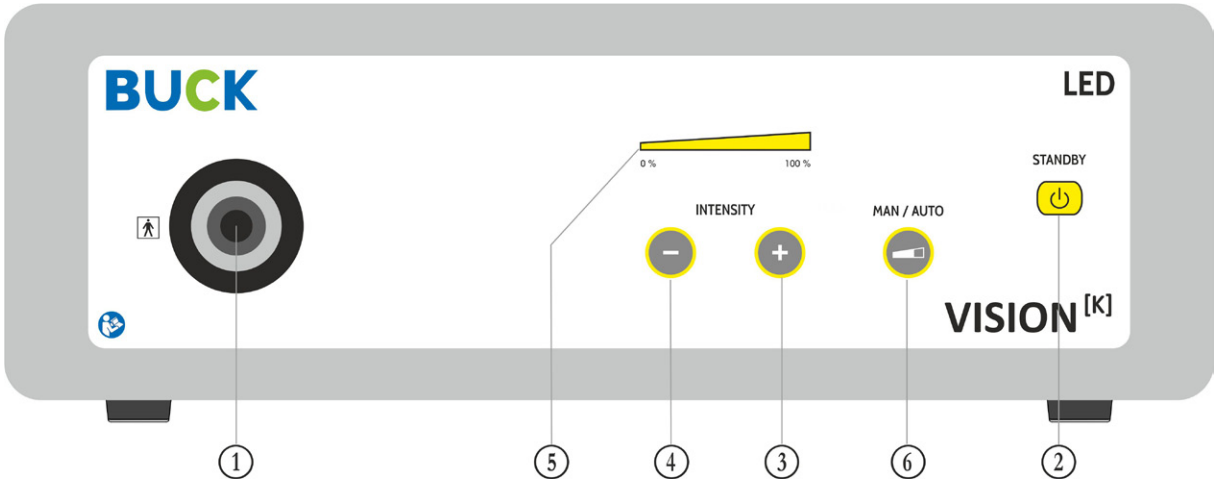
Connectivity options



Control elements / Connections

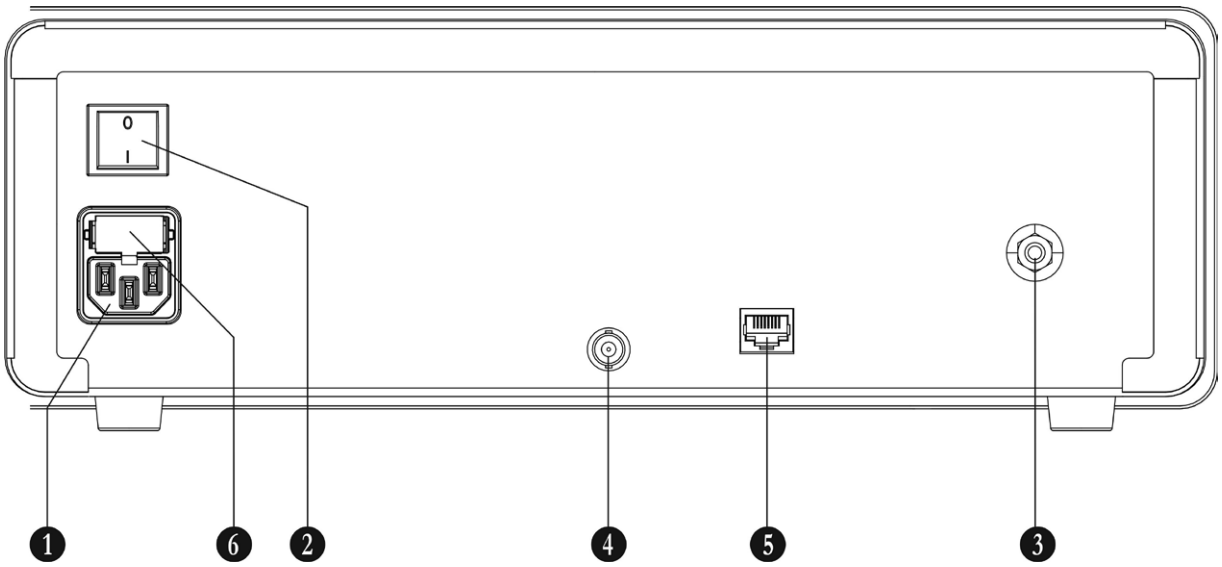
Front view

⚠ Note labeling style for the front view: „⓪“

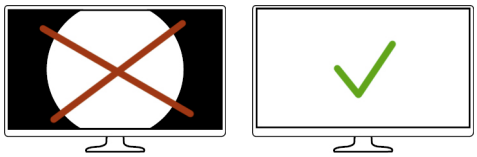


Rear view

⚠ Note labeling style for the front view: „⓿“



Description of the control elements and connections

① **Connector fibre optics:**	This connector is used to connect the fibre optics to the light source. The light source is delivered as standard with STORZ adaptor and optional with TURRET adaptor. You can connect light guides of different makes to the TURRET adaptor ⚠ **Attention!** Using the wrong light guide or adaptor can damage the light source and the accessories and threats the patient.
② **Standby:**	The control unit is turned on by using this button. • Short press of the power button turns the control unit on. The operation mode is indicated by a green illumination of the "POWER" button. • By pressing the "POWER" button (approx. 3 sec.) again, the unit is turned off (Standby mode). • Note: The mains switch at the rear panel must be switched on, before you can use this button.
③ ④ **Intensity control:**	These buttons are used to adjust the intensity of the output in manual mode. The left button decrease the intensity, the right button raises the intensity. The two end positions are indicated by the corresponding pushbuttons lighting up.
⑤ **Display: Light intensity:**	This display shows the adjusted brightness level in %.
⑥ **Manual / Automatic Mode**	The push button is used to switch the light source between 2 different modes: • Manual: Use of the light source without a camera connected or in conjunction with a camera without a shutter function. The intensity can be adjusted by using the buttons "Intensity" ③ • Automatic: With connected cameras with shutter function and analog BNC output. A full screen and not a circle screen is required:  • The intensity of the light source can be adjusted automatically by the diaphragm (light source) and the shutter of the camera. This mode is activated by pressing the button „Man/Auto" ⑤ and indicated by illumination of the button *Note:* The light source is always in manual mode after switching on. You can re-adjust the intensity in the automatic mode by using the buttons "Intensity" ③.
❶ **Mains connection**	The plug of the power connection cable is connected to this cold equipment power connection. Use only the provided power cord.
❷ **Power switch**	The unit is switched on by pressing the power button. The power switch has two switching positions: • I (ON – switched on) • O (OFF – swichtes off) The switch lights up green when the unit is turned on.

❸ **Equipotential terminal**	Basically, the control unit is protectively earthed by the 3-pin power supply cord when it is connect to a protectively earthed wall socket, as prescribed. When running the equipment in rooms which comply to group 2 acc. DIN VDE 0100, the control unit must be joined to the central potential equalisation of the operating theatre or of the equipment trolley by means of a grounding cable. In addition, the equipment possesses an appropriate socket outlet and plug (acc. DIN 42801).
❹ **Video input terminal**	The video input terminal can be used to connect a camera for automatic brightness control. This terminal provides the video standard via BNC jack.
❺ **Service**	This port is used to service personnel for diagnostic / maintenance purposes. .
❻ **Mains fuses**	It contains the mains fuses. Only use the declared fuses! The exchange of the fuses is described in the service part of this manual (see “Replacing of the power fuses”).

Operating

Power-up

Before connecting a light cable into a light source adapter of the equipment, please ensure that you have the correct plug and adapter. A plug that is too long or too thin can for example be pushed too far into the equipment, and can damage the sensitive diaphragm or lens inside. This will result moreover in considerable loss of light, in the same way as a plug that is too short, or a plug of the wrong diameter, because of the wrong position of the contacts at the light entry.

After having installed all connections, switch the unit on by using the mains switch ❷ at the rear. The green lamp inside the switch lights up. At power-up, the light source performs a self check. After that, the light source is in standby mode, indicated by yellow lightning of the push button "Standby" ② . By pressing the standby button the device turns into the operating mode. The operating mode is indicated by green lightning of the standby button and a brief bleep.

⚠ **Caution!** Injuries and damage caused by exposure to heat!

- **Effect:**
- The light-guide connector and the telescope's distal end may become extremely hot.
- The light energy is concentrated in a relatively small area.

- **Risks:**
- Thermal injury to the patient's tissue (e.g. from prolonged exposure to intense illumination in cavities with small lumens, or if the telescope's distal end is placed into close proximity with the tissue.
- Burns to the patient's or user skin
- Burns or thermal damage to surgical equipment (e.g. surgical drapes, plastic materials, etc.).

- **Countermeasures**:
- Avoid prolonged exposure to intense illumination.
- Use the minimum level of illumination necessary to satisfactory illuminate the target area.
- Do not place the telescope's distal end or the light-guide connector on the patient's skin, on flammable materials, or on heat-sensitive materials.
- Do not touch the telescope's distal end or the light-guide connector.
- Turn the light source off after use.
- Allow the telescope and the light-guide cable to cool down after use.

Operating

When you switch the operation mode the intensity is gone to the minimal position and the button ④ lights up.

The output brightness can be adjusted by using the "Intensity" buttons ③ ④. By pressing the ③ or ④ , the brightness will be adjusted in predefined steps. The luminous energy changes thereby accordingly.

If the display has reached final positions, the buttons ④ (min. position) resp. ③ (max. position) lights up permanently.

The brightness is displayed on a light bar ⑤ (20 steps).

At overheating the unit will automatically switch off. In this case you have to switch off the unit by the mains switch. Let the light source cool down before you carry on.

⚠ **Attention!** Risk of eye injury. Do not look directly into the distal end of the light-guide cable!

Shut down the device

Hold down the button "Standby" ② longer (you will hear 3 beeps) to turn the unit into standby mode. Then the device can be shut down by the power switch ❷ on the back .

Notice and warning messages

The error codes are displayed at the „Intensity“ bar graph ⑤. During operation, the display changes in 1 sec. / 2 sec. intervals between the display of the light intensity and the error codes. The error code is received after switching off (standby mode).

The following errors will be displayed:

Display		Error
 ERR_FAN_1	Error Code 0x01	Main fan fault
 ERR_FAN_2	Error Code 0x02	Light guide fan fault
 ERR_H_LED_TEMP	Error Code 0x04	T Led > 57°C
 ERR_L_TEMP	Error Code 0x08	Temp too low <2 ° C or temperature sensor defective
 ERR_H_TEMP	Error Code 0x10	T Led or PCB> 65 ° C max. 60 sec. + Beep
 LED_NOT_WORKING	Error Code 0x20	LED without function
 ERR_LWL_DET	Error Code 0x40	Fiber optic detection defective or malfunction

Service instructions

General maintenance and repair instructions

⚠ The information contained in this chapter is only intended for properly trained personnel, which is proficient in the required knowledge and security arrangements for the repair of electronic equipment. The manufacturer assumes no liability for repairs and modifications carried out by unauthorized personnel. The availability of technical documents of the unit alone does not represent an authorization by the manufacturer for opening of repairing the unit for technically trained personnel. The interventions described in the text of the operating manual are exempt.

Information about further service and repair descriptions are available on request from the manufacturer.

Service Interval

🔧 It is recommended that the unit is checked at least once a year by authorized service personnel or by the manufacturer for a reliable operation. The device must be checked after repairs in accordance with the requirements of IEC 62353 or in accordance with applicable national standards / regulations! The results of the annual inspection must be recorded (see table „Maintenance report“).

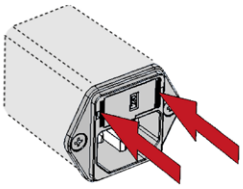
Replacing the mains fuses

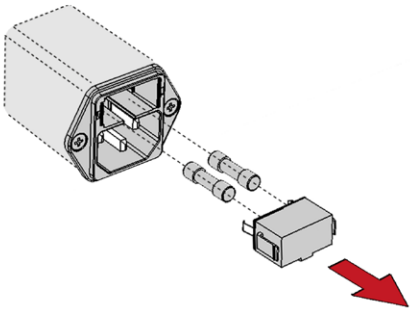
🔧 The mains fuses are located on the rear panel of the unit, above the IEC connector fuse in a small drawer.

- ⚠ Disconnect the main power plug!
- Release the fuse drawer by using a sharp object to unlock the two side clips of the drawer and pull out the drawer.
- Remove the fuses.
- Check the fuses. Blown fuses can be recognized by the black color of the glass bulb, the visibly broken fuse wire or measure the passage of the fuses with an ohm meter.
- Insert the appropriate fuses.

- ⚠ Attention! Use only ceramic fuses with a high switching capacity (Ia = 1500 A) according to IEC 60127-2 / V, H!
- Return the fuse drawer (with the small nose down) into the appropriate slot (4); the drawer must snap in audibly on both sides.

Then put the unit into operation. If you have replaced a defective fuse with a new one and it blows again, this indicates a defect in the device. In this case, please send the unit (disinfected) to your dealer for inspection





Cleaning / Desinfection

⚠ **Attention!** Disconnect the main power plug prior to beginning the cleaning / disinfection!

All external surfaces of the device are resistant to all common cleaners and disinfectants, so that these may be used without restrictions.

For the application of cleaning and disinfecting liquids, a soft cloth or blotting paper should be used to avoid scratching the surface and to better dispense and distribute the liquid. The dosing must be accomplished with a cloth, especially with flammable liquids such as alcohol. Do not let any -liquids leak into the unit! Let the unit dry for at least 1 hour after cleaning with flammable liquids before switching it on again. Otherwise the risk exists that an explosive mixture of air and cleaning agent ignites when switching on the unit.

⚠ **Attention!** Do not autoclave any part of the equipment!

⚠ **Attention!** Incorrect or incomplete cleaning or disinfection may jeopardize the patient or medical staff!

Troubleshooting

In the case of a malfunction of the device, please try localizing the error source and repairing it yourself by using the table below, before you return the unit to the manufacturer for repair.

Error Description	Possible Causes	Remedy
Equipment doesn´t work, main switch doesn´t shine	Power cord not connected	Connect power cord
	Main switch switched off	Switch on the device
	Mains fuses defective	Check / replace the mains fuses

Specifications

Technical Data

General data	
Mains voltage:	100-240 VAC
Power consumption:	130 VA
Mains fuses:	Fine fuses, 5x20mm, delay acting 3,15A / 250V with high breaking capacity (Ia = 1500 A)
Dimensions (WxHxD):	Device: 360 x 125 x 351 mm
LED module:	· LED approx. CRI 90, Daylight quality, approx. 5600 K, Lifetime: > 20.000 hr
Connections	
Video-In terminal	1 x Video, BNC
Light guide:	Storz, Turret (optional)
Service / Network (optional):	1 x RJ 45
Remote-IN	1x Connection of external control units
Classification / Confomrity	
Safety class (EN 60601-1)	1
Application part (Typ)	BF
Degree of protection:	IP20
Classification (EU) 2017/745, Annex VIIIS	I

Spare parts

Item	**Description**	**Order-Nr.**
Mains fuses	Fine fuses, 5x20mm, delay acting 3,15A / 250V with high breaking capacity (Ia = 1500 A)	113-0023

Annex

Electromagnetic compatibility

- The present device corresponds to the following standard: IEC 60601-1-2

- Precautionary measures

Electro-medical devices are subject to special precautionary measures concerning electromagnetic compatibility (EMC). This device is to be used for the purposes described in the operation manual and has to be installed, set up, and operated in compliance with the EMC guidelines.

- Impact of mobile and portable RF communication devices

The emission of high frequency by mobile communication devices may impact the function of the electro-medical device. Operating such mobile communication devices (e.g. cell phones, GSM phones) in the proximity of the electro-medical device is prohibited.

- Electrical connections

Connections between such plugs and sockets may not be established without first implementing ESD precautionary measures.

- ESD precautionary measures

Connect all electrical equipment to be connected to the device to a potential equalization system (via PE). Use only the equipment and accessories mentioned in the operation manual. The staff should be informed about and trained in ESD precautionary measures.

⚠ Attention! This device is designated to an environment as specified below. The user of the device should verify that the camera is operated in such an environment.

- Manufacturer's declaration – Electromagnetic emissions:

Emissions test	**Compliance**	**Electromagnetic environment – Guidelines**
Conducted Emissions according to IEC/ CISPR 11: 2015 (L + N, 150 kHz - 30 MHz)	Class A	This device uses HF technology solely for its internal functioning. The level of external HF emission is therefore very low and it is unlikely that other electronic devices in its vicinity will be interfered with. This device is suited for use in professional equipment in the healthcare sector (e.g. medical practices, clinics, operating rooms, intensive care units, hospital rooms, emergency rooms and accident clinics). Note: When used in a residential environment (typically required by CISPR Class B), this equipment may not provide adequate protection for radio services. If necessary, the user must take corrective measures such as implementation or realignment of the device.
Radiated emissions according to IEC/ CISPR 11:2015 (3 m, 30 MHz – 1 GHz, 0 - 360°, h + v pol.)	Class A	
Harmonics according to IEC 61000-3-2:2014	Class A	
Voltage fluctuations/flicker according to IEC 61000-3-2:2013	Yes	

- Manufacturer's declaration – Electromagnetic immunity:

<table>
<tr><th>Immunity tests</th><th>Test level</th><th>Ful-filled</th><th>Electromagnetic environment – Guidelines</th></tr>
<tr><td>Electrostatic discharge (ESD) according to IEC 61000-4-2</td><td>± 2; 4; 6; 8 kV
Contact discharge

± 2; 4; 8; 15 kV
Air discharge</td><td>Yes</td><td>Floors should be made of concrete or wood or covered with ceramic tile. If the floor is covered with synthetic material and offers no ESD protection, the relative humidity should be at least 30%.</td></tr>
<tr><td>High-frequency electromagnetic fields according to IEC 61000-4-3</td><td>3 V/m
80 MHz to 2.7 GHz
80% AM 1 kHZ Output wires</td><td>Yes</td><td rowspan="3">Recommended separation distance
0.3 m (12 inches)
at the typical assumed transmission power in the corresponding frequency band
The formula below, in which 'P' represents the transmitter's rated power in watts (W) as specified by the transmitter's manufacturer, 'd' the minimum distance in meters (m) and 'E' the immunity test level, can be used to calculate possible minimum distances and correct them if necessary, given accurate knowledge of the transmitter's rating.
d = 6 √P : E
Interference is possible in the vicinity of devices that bear the following symbol.
  </td></tr>
<tr><td rowspan="3">High-frequency electromagnetic fields according to IEC 61000-4-3 in the immediate vicinity of wireless communication devices</td><td>28 V/m
385, 450, 810, 870, 930 MHz
50% PM 18 Hz</td><td>Yes</td></tr>
<tr><td>28 V/m
1720, 1845, 1970, 2450 MHz
50% PM 217 Hz</td><td>Yes</td></tr>
<tr><td>9 V/m
710, 745, 780, 5240, 5500, 5785 MHz
50% PM 217 Hz</td><td>Yes</td></tr>
<tr><td>Magnetic field at the power supply frequency (50/60 Hz) according to IEC 61000-4-8</td><td>30 A/m
50 Hz, 60 Hz
x, y, z axis</td><td>Yes</td><td>Magnetic fields at the mains frequency should correspond to the typical values to be found in a hospital environment.</td></tr>
</table>

Fast transient electrical disturbances/bursts according to IEC 61000-4-4	± 2 kV 100 kHz supply lines ± 1 kV 100 kHz signal and data lines	Yes	The quality of the supply voltage should correspond to that of a typical professional installation in the healthcare sector (<u>not</u> the public power grid).
Surges according to IEC 61000-4-5	± 0,5 kV, ± 1 kV 100 kHz (line to line) ± 0,5 kV, ± 1 kV, ± 2 kV 100 kHz (line to earth)	Yes	
Conducted RF interference according to IEC 61000-4-6	6 V_{eff} 150 KHz to 80 MHz 80% AM 1 kHZ (Power line, POAG earthing cable, electrical supply line for heating part)	Yes	
Voltage dips according to IEC 61000-4-11	0% U_T; ½ period (at 0, 45, 90, 135, 180, 225, 270 and 315°) 0% U_T; 1 period and 70% U_T; 25/30 Periods (50Hz/60Hz) Single phase at 0°	Yes	
Voltage interruption according to IEC 61000-4-11	0% U_T; 250/300 periods (50Hz/60Hz)	Yes	If the user of this device requires that it continue to function even when interruptions to the energy supply occur, it is recommended that the device be powered from an uninterruptible power supply!

Maintenance report

User	
Address	
Serial-No.:	

Servicing check up	**Name**	**Date**	**Signature**

Icons (Instruction manual)

	Attention, important information!
	Service information

Symbols (Medical device)

	Follow instructions for use (EN ISO 7010-M002)
	Follow instructions for use *(EN ISO 15223-1, 5.4.2)*
	Application part type: BF (IEC 60417-5333) - Connection
	Connection for potential equalization (IEC 60417-5021) - Connection
	Grounding (IEC 60417-5021)
	Corresponds to the EU regulation 2017/745, annex V
	Do not dispose of with household waste (ElektroG / WEEE 2012/19/EU)
	Manufacturer (EN ISO 15223-1, 5.1.1)
	Manufacturing date (EN ISO 15223-1, 5.1.3)
	Distributors (EN ISO 15223-1, 5.1.9)
	Medical device (EN ISO 15223-1, 5.7.7)
	Catalog/article number (EN ISO 15223-1, 5.1.6)
	Serial number (EN ISO 15223-1, 5.1.7)
	Pull out the mains plug! (ISO 7010 M006)

	Warning, Electricity (EN ISO 7010-W012)
	Hot surface warning (EN ISO 7010-W017)

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