

TELE PACK +

Compact Endoscopy

DISPLAY +

LIGHT +

CAMERA +

DOCU +

NETWORK +



TELE PACK +

Compact Endoscopy

Tele Pack+ nešiojama, viskas viename sistema, kurioje integruoti monitorius, LED šviesos šaltinis, Full HD kameros valdymo modulis ir archyvavimo sistema.

TELE PACK+ is an ALL-IN-ONE system that combines a monitor, LED light source, FULL HD camera control unit and documentation with integrated network function in a portable and compact unit. A very strong feature is its compatibility with a wide range of rigid, flexible and single-use endoscopes. TELE PACK+ is suitable for universal use in doctors' offices, day clinics, emergency rooms, intensive care units and outpatient settings.

DISPLAY +

- 18.5" touch screen monitor +
- On-screen keyboard +
- FULL HD +
- Display with no edges – ideal for cleaning +
- Straightforward handling thanks to intuitive menu navigation and self-explanatory user interface +

18,5' lietimui jautrus monitorius.
p. 1.1.3.

LIGHT +

- Integrated LED light source +
- Bright and uniform illumination +
- Automatic light source control +





CAMERA +

- + Can be connected to rigid as well as flexible and single-use endoscopes
- + Compatible with X-LINE and C-LINE endoscopes

DOCU +

- + Archiving of patient data on internal memory, on USB memory devices or via the network integration function
- + Encrypted patient data transfer
- + Patient data management
- + 50 GB internal memory

NETWORK +

- + Network function in File Share mode or Worklist mode
- + Export and import of patient data in/out of HIS/PACS

It is recommended to check the suitability of the product for the intended procedure prior to use.



**TP101 - TELE PACK + , endoscopic video unit with 2 camera inputs (X-Line and C-Line) for use with flexible video endoscopes and one-chip camera heads (up to FULL HD), incl. LED light source, digital Image Processing Module with USB and network storage options as well as 18.5" Full HD touchscreen monitor, power supply 100...240 VAC, 50/60 Hz including:
400 F Mains Cord, length 300 cm**

Technical data:

Weight: 9.0 kg.

Illumination by high-performance LED light source, colour temperature: 5,700 K, up to 30,000 h lamp operating time.

Image display by 18.5" TFT LCD monitor with LED Backlight and 16.7M colours (True 8 Bit), resolution 1920x1080 (Full HD), contrast 1200:1, brightness typ. 500 cd/m².

Integrated Image Processing Module.

Six USB 2.0 slots for USB stick, keyboard, mouse, footswitch and printer.

Storage format: Pictures: JPEG, Videos: MPEG-4.

Size internal storage: 50 GB.

DVI out for connecting an external monitor (1920x1080p).

Power consumption: 140 W.

Power supply: 100-240 VAC, 50/60 Hz.

Dimensions (h x w x d): 470x387x222 mm.

Ports: Audio line-out, audio line-in, LEMO socket for audio line-in (stroboscopy), Ethernet port, USB ports, SD port, two different camera connecting ports, connector for light cable, potential equalization connector, DVI-out.

Exposure rate [W/m²]: 3.5.

Luminous flux [lm]: 1,300 (typ.).

Loudspeaker: Power: 3.2 W.

Certified according to DIN 60601-1.

Type of protection against electric shocks: Protection Class I.

Protection of camera applied part against electric shock: Type CF, defib. OR Type BF, depending on connected camera head or video endoscope.

Protection of light applied part against electric shock: Type CF, defib..

Protection of microphone for stroboscopy (not included in set, but separate option) against electric shock: Type BF.

Type of protection against moisture: IPX 0.

Directive compliance according to MDD: Medical device belonging to Class I, the medical product bears a CE mark in accordance with MDD 93/42/EEC.

LED šviesos šaltinis apšvietimui, lempos tarnavimo laikas iki 30000 valandų.

Vaizdo monitorius 18,5" TFT LCD su LED pašvietimu, raiška 1920x1080 (Full HD), šviesumas 500 cd/m².
p. 1.1.3., p. 1.1.4.

Išsaugomi formatai: nuotraukos JPEG, Video MPEG- 4;
Vidinio kaupikli talpa: 50 GB.
p. 1.1.2.

Dvi jungtys kameroms pajungti.
p. 1.1.1.

Suderinamos kameros galvutės ir lankstūs endoskopai, bei lankstūs vienkartiniai ir daugkartiniai video endoskopai.
p. 1.1.1.

Special features:

- Compatible with a large variety of camera heads and video endoscopes.
- Two different camera connectors including intuitive, user interface-based possibility to swap between various camera heads or video endoscopes.
- Supports camera heads in combination with rigid and flexible endoscopes, as well as with reusable and with single use flexible video endoscopes.
- Crystal clear image with 18.5" TFT monitor, 16.7M colours for a natural colour rendition, contrast 1200:1.
- Image Processing Module: Rotatable image 180°, as well as mirroring (vertically and horizontally), picture-in-picture function (freeze), electronic zoom (1.25 x, 1.5 x, 1.75 x, 2.0 x), filter for fiberscopes, configuration of camera brightness, circle mask for training and education purposes.
- Complete documentation of the procedure:
Input of patient data,
Possibility to store images and videos electively on USB stick or network, buffering of the data on internal storage
Printing of pictures with separate USB printer.
- Natural illumination:
High performance LED light source, light output comparable with a 175 Watt-Xenon lamp, with natural colour rendition close to daylight, colour temperature of 5,700 K, up to 30,000 h lamp operating time.
- Sturdy, portable and ergonomic design, allowing comfortable transport.
- New, intuitively controllable menu operation:
Touch screen interface for intuitive control, glass surface for ideal cleaning, external membrane keyboard with touch pad, ideal for wipe disinfection, pedal control via optional foot switch possible.
- Stroboscope function available via additional USB foot switch (optional).
- Stroboscopy layout (voice frequency in Hertz (Hz), notation, volume in dB, delta frequency in Hz in slow motion mode) is displayed on the screen during stroboscopy, stroboscopy layout is saved on videos.
- Exchangeable screw adaptor for light cable respectively video endoscopes.
- VESA 100 adaption for mounting on carts or boom arms.
- Optional camera head and light cable holder, screw-on type at the device housing.
- Documentation possibility via USB.
- Integrated network-compatibility via Ethernet.
- Encrypted storing on internal storage.
- Advanced patient data security via role-based access system.
- DICOM/Worklist access with additional (server-)software.

Galimybė išsaugoti nuotraukas ir video į USB ar tinklą.

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34
78532 Tuttlingen / Germany
i.A.

IMAGE1 S™ HX ^{NEW}

One-Chip FULL HD Camera Heads



Pendulum System

	TH 110 IMAGE1 S™ HX* One-Chip FULL HD Camera Head	TH 111 IMAGE1 S™ HX-P* One-Chip FULL HD Pendulum Camera Head
For use with:	● IMAGE1 S™ X-LINK , module for one-chip camera heads and flexible endoscopy	

Specifications:

Frame rate	50/60 Hz	
Image sensor	1-chip	
Resolution	1920 x 1080 pixels	
Scanning method	progressive scan	
Lens	fixed focus	pendulum system, fixed focus
Focal length	f = 16	
Dimensions w x h x l	35 x 36 x 100 mm	
Weight	130 g	
Cable length	300 cm	
Cable routing	angled	straight
Camera head buttons	freely programmable	
Grip mechanism	standard eyepiece adaptor	
Reprocessing	soakable, EO sterilization, H ₂ O ₂ (hydrogen peroxide)	
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib	

Raiška: 1920x1080 taškų;
p. 2.2.1.
Skanavimo tipas: progresyvus.
p. 2.2.2.

Fokalinis atstumas f = 16
p. 2.2.3.

* No S-Technologies available

Mobile Video Cystoscopy

with CMOS chip technology



The new video cysto-urethroscope in combination with the portable monitor offers a mobile “all-in-one” solution

and enables easy installation for rapid use in everyday practice or clinical routine.

The new C-VIEW™ CMOS video cysto-urethroscope at a glance:

- Digital imaging with CMOS chip technology for clear visualization of the urinary bladder
- Integrated LED illumination for optimal handling without requiring an additional light cable
- Sensitive yet robust control thanks to ergonomic handle
- Large 210°/140° deflection for patient-friendly treatment
- Wide viewing angle for optimal orientation in the urinary bladder
- Waterproof and fully immersible in solution for thorough cleaning and disinfection
- Suitable for sterilization with gas and hydrogen peroxide (Sterrad®)

Integruotas LED apšvietimas p. 3.3.5.

Portable C-MAC® monitor at a glance:

- Space-saving, complete system with documentation function
- Quick installation without requiring a separate light source
- Rechargeable lithium-ion batteries for flexible use independent of the power supply
- SD memory card for image and video documentation
- USB flash drive for enhanced data transfer
- HDMI output for connection to an external monitor for a better overview
- Portable design with 7" wide viewing angle display with 1280 x 800 pixel resolution
- Compact, portable and space-saving design for use in outpatient and office settings
- Impact-resistant ABS plastic housing suitable for wipe disinfection



11272 V

Mobile Video Cystoscopy

with CMOS chip technology



16 Fr.

Order no.	C-VIEW™ CMOS Video Cysto-Urethroscope	Deflection of distal tip	Direction of view	Angle of view	Working length	Working channel inner diameter	Sheath size
11272 VK	with positive deflection		0°	120°	37 cm	6.5 Fr.	16 Fr.
11272 VUK	with contrapositive deflection		0°	120°	37 cm	6.5 Fr.	16 Fr.

Matymo kryptis: 0 laip. p.3.3.3.
Matymo kampas: 120 laip. p. 3.3.4.
Darbinis ilgis: 37 cm. p. 3.3.7.
Darbinio kanalo skersmuo: 6,5 Fr. p. 3.3.2.
Movos dydis: 16 Fr. p. 3.3.6.

Following accessories are included in delivery:



- 27677 FV **Case**
- 27023 FE **Grasping Forceps for small fragments**, single action jaws, flexible, 5 Fr., length 73 cm
- 27023 ZE **Biopsy Forceps**, single action jaws, flexible, 5 Fr., length 73 cm
- 11025 E **Pressure Compensation Cap**, for ventilation during gas and plasma sterilization
- 13242 XL **Leakage Tester**, with bulb and manometer
- 27651 B **Cleaning Brush**, round, flexible, outer diameter 3 mm, for working channel diameter 1.8 – 2.6 mm, length 100 cm
- 27014 Y **LUER-Adaptor**, with seal

Priedai:
Lagaminas, griebiančios žnyplės, žnyplės biopsijai, slėgio suvienodinimo vožtuvas, Sandarumo matuoklis, šepetėlis valymui. p. 3.3.8.

Optional accessories:



- 27023 VK **Stone Basket**, 5 Fr., length 60 cm
- 27723 T **Coagulation Electrode**, unipolar, 4 Fr., length 73 cm
- 27550 N **Seal**, for Instrument Ports 27001 G/GF/GH/GP, package of 10, single use recommended
- 27001 RA **Cleaning Adaptor**
- 8403 ZX **C-MAC® Monitor for CMOS Endoscopes**, screen size 7" with 1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port, splash-proof according to IP54, suitable for wipe disinfection, shock-resistant ABS plastic housing, intelligent power management with rechargeable Li-Ion batteries

Video Cysto-Urethrosopes C-VIEW®

Flexible application redefined

The following products are included in delivery:



	27677SM	Case for Flexible Endoscopes , external dimensions (w x d x h): 580 x 500 x 165 mm
	27023FE	Grasping Forceps for Small Fragments , single action jaws, flexible, 5 Fr., length 73 cm
	27023ZE	Biopsy Forceps , single action jaws, flexible, 5 Fr., length 73 cm
	11025E	Pressure Compensation Cap , for ventilation during gas and plasma sterilization
	13242XL	Leakage Tester , with bulb and manometer
	110940-50	Cleaning Brush , with double-sided brush, length 90 cm, brush diameter 2.6 mm, unsterile, for single use, package of 50
	27014Y	LUER-Adaptor , with seal

The following optional products are available:

	27023VK	Stone Basket , 5 Fr./1.67 mm, length 60 cm
	27023KF	Stone Basket , nitinol, without tip, straight, 3 Fr., length 70 cm, 4 wires, basket diameter 12 mm, sterile, for single use
	27723T	Coagulation Electrode , unipolar, 4 Fr., length 73 cm
	27550N	Seal , for Instrument Port, 27001GP, package of 10
	27001RA	Cleaning Adaptor
	110940-50	Cleaning Brush , with double-sided brush, length 90 cm, brush diameter 2.6 mm, unsterile, for single use, package of 50
	11014 Y	Fiber Fixation
	8404ZX	C-MAC® Monitor for CMOS Endoscopes , screen size 8" mit 1200 x 1920 pixel resolution
	39406AS	Plastic Container for Flexible Endoscopes , external dimensions (w x d x h): 550 x 260 x 90 mm

Elektrodas koagulacijai, monopolinis, 4 Fr., ilgis 73 cm. p. 6.

Plastikinis konteineris lankstiems endoskopams. p. 3.3.8.6.

Fiber Optic and Fluid Light Cables

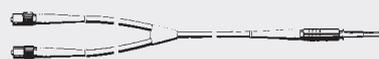
for Cold Light Fountains



Tiesi jungtis.
p. 4.4.1.

Order No.	Diameter (mm)	Length (cm)	NIR/ICG Applications	Straight Connector	Extremely Heat-resistant	Enhanced Light Transmission	With Safety Lock
495 NT	2.5	180	-	●	-	-	-
495 NTA	2.5	230	-	●	-	-	-
495 NL	3.5	180	-	●	-	-	-
495 NA	3.5	230	-	●	-	-	-
495 NAC	3.5	230	-	●	●	●	●
495 ND	3.5	230	-	●	-	-	-
495 NB	4.8	180	-	●	-	-	-
495 NCSC	4.8	250	●	●	●	●	●
495 NCS	4.8	250	●	●	●	●	-
495 TIP	4.8	300	●	●	●	●	-
495 NE	4.8	300	-	●	-	-	-
495 VIT	4.8	550	●	●	●	●	-

495NA
Skersmuo 3,5 mm, ilgis 230 cm.
p. 4.4.2.



495 UD

Fiber Optic Light Cable, with straight connector, 2x diameter 3.5 mm, length 180 cm, for simultaneous light transmission for 2 instruments

Recommended Combination: Light Cable with Endoscope*

	Light Cable Diameter	Endoscope Diameter
	4.8 – 5.0 mm	6.5 – 12.0 mm
	3.0 – 3.5 mm	3.0 – 6.5 mm
	2.0 – 2.5 mm	0.8 – 2.9 mm

*Special endoscopes may deviate.

Please note: The high light concentration at the end of the light cable causes heat to be generated in the focal point. The end of the light cable should never be placed on the patient's drape or skin as long as the cold light fountain is turned on as the light intensity may cause burns to the patient or set the drape on fire.

The diameter indicated refers to the diameter of the fiber optics.



- UG912 **COR Mobile Stand, high,**
rides on 4 antistatic dual wheels, with locking brakes,
high beam module incl. cable manager and handle,
including:
- UG804 **Subrack,** for COR mobile stand, high
UG811 **Top Cover Monitor Holder,** for COR mobile stand
UG854 **Stainless Steel Tube,** for COR mobile stand, length 400 mm
UG857 **Monitor Module,** for COR mobile stand
UG821 **Shelf, wide,** for COR mobile stand



- UG913 **COR Gastro Mobile Stand, high,**
rides on 4 antistatic dual wheels, with locking brakes,
high beam module incl. cable manager and handle,
including:
- UG804 **Subrack,** for COR mobile stand, high
UG811 **Top Cover Monitor Holder,** for COR mobile stand
UG854 **Stainless Steel Tube,** for COR mobile stand, length 400 mm
UG857 **Monitor Module,** for COR mobile stand
UG862 **Drawer, wide,** for COR mobile stand
UG816 **Pump Holder,** for COR mobile stand

COR mobilus stovas, važiuoja ant 4 antistatinių dvigubų ratukų su užrakinamais stabdžiais, stovo modulis laidų tvarkymui su rankena. p. 5.



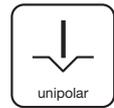
- UG914 **COR Airway Mobile Stand, high,**
rides on 4 antistatic dual wheels, with locking brakes,
high beam module incl. cable manager and handle,
including:
- UG804 **Subrack,** for COR mobile stand, high
UG811 **Top Cover Monitor Holder,** for COR mobile stand
UG815 **Equipment Rail,** for COR mobile stand
UG854 **Stainless Steel Tube,** for COR mobile stand, length 400 mm
UG857 **Monitor Module,** for COR mobile stand
UG862 **Drawer, wide,** for COR mobile stand



- UG915 **COR C-MAC® Mobile Stand, high,**
rides on 4 antistatic dual wheels, with locking brakes,
high beam module incl. cable manager and handle,
including:
- UG804 **Subrack,** for COR mobile stand, high
UG811 **Top Cover Monitor Holder,** for COR mobile stand
UG815 **Equipment Rail,** for COR mobile stand
UG854 **Stainless Steel Tube,** for COR mobile stand, length 400 mm
UG862 **Drawer, wide,** for COR mobile stand
ET43-303127 **Cross Tube Adaptor**
ET43-302703 **Stainless Steel Round Pipe,** length 250 mm

High Frequency Cords

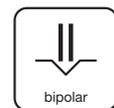
Unipolar High Frequency Cords



KARL STORZ Instrument	High Frequency Surgical Unit		
		26002M	Unipolar High Frequency Cord , with 4 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type T older models
		26004M	Unipolar High Frequency Cord , with 4 mm plug, length 300 cm, compatible with Martin HF units
		26005M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type ICC and Erbe VIO 300
		26006M	Unipolar High Frequency Cord , with 8 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Valleylab units

Monopolinis aukšto dažnio laidas, 5 mm kištukas, ilgis 300 cm. p. 7.

Bipolar High Frequency Cords



KARL STORZ Instrument	High Frequency Surgical Unit		
		26176LE	Bipolar High Frequency Cord , length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe-Coagulator, T and ICC series
		26176LM	Bipolar High Frequency Cord , length 300 cm, compatible with Martin HF units
		26176LV	Bipolar High Frequency Cord , length 300 cm, pin distance unit side 28.58 mm, for AUTOCON® III and AUTOCON® II, for use with high frequency surgical units with bipolar sockets with 28.58 mm pin distance, compatible with Valleylab-Coagulator
		26176LW	Bipolar High Frequency Cord , length 300 cm, pin distance unit side 22 mm, compatible with high frequency surgical units with bipolar sockets with 22 mm pin distance

Please note:

All high frequency cords of this page are delivered with a length of 300 cm. If a length of 500 cm is requested please add letter L to the part number, e.g., 26002ML, 26176LVL.