

TELE PACK+

Compact endoscopy in ENT



TELE PACK+

Compact endoscopy in ENT

The new TELE PACK+ compact imaging system offers ENT physicians and other specialists a wide range of options for both ENT diagnostics and minor surgical interventions. The system combines a monitor, light source, camera control unit as well as data management with a possible network connection in one unit. Thanks to a wide range of compatibility options, the system can be used for various ENT interventions and can therefore meet the individual needs of clinics, outpatient OR centers as well as ENT practices. Moreover, the integrated touch screen monitor allows convenient control of the system during routine examinations.



DISPLAY +

- + 18.5" touch screen monitor with on-screen keyboard
- + Display with no edges – ideal for cleaning
- + Straightforward handling thanks to intuitive menu navigation

LIGHT +

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

CAMERA +

- + Compatible with rigid, flexible and single-use endoscopes

DOCU +

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

NETWORK +

- + Network connection possibility
- + Export and import of patient data in/out of HIS/PACS

3.7 mm HD video rhino-laryngoscope



2.9 mm CMOS videoendoscopes



Compa



**General
ENT diagnostics**



Stroboscopy



Indica

atibility

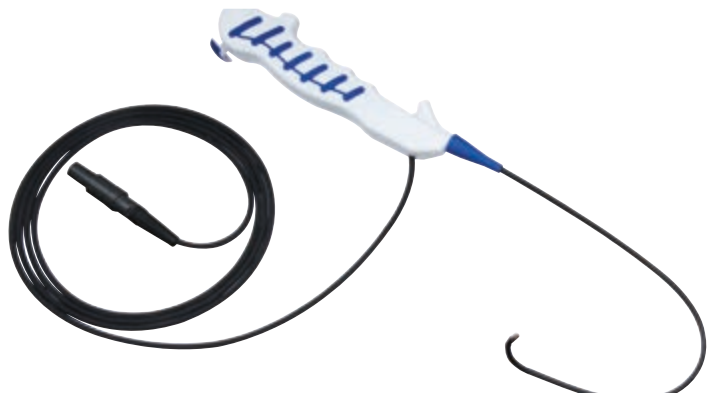
tions

FULL HD and HD camera head



 available again soon

Single-use videoendoscope



Swallowing
diagnostics



Outpatient/surgical
procedures



Stroboscopy with the TELE PACK+

Stroboscopy is used to examine and assess functional disorders of the vocal cords. KARL STORZ enables examination of the vocal cords in HD image quality using the new TELE PACK+ and the corresponding stroboscopy kit, which includes a footswitch and a microphone. During the examination, the voice frequency, musical notation, volume and speed level are displayed in the live image. This provides the user with additional information.

For flexible stroboscopy, the new HD video rhino-laryngoscope can be used. It allows convenient handling and examination in HD quality. Furthermore, in combination with the HX camera head, a wide range of different laryngeal telescopes are available for rigid stroboscopy in FULL HD.



The USB footswitch activates the stroboscopy mode. In combination with the microphone set, the displayed voice parameters can be captured in the live image.



The compact and mobile solution for dysphagia

Dysphagia often occurs in older adults or stroke patients. In order to develop an individual therapy concept, successful diagnosis is required. The compact format of the TELE PACK+ has the major advantage that swallowing examinations can be performed both in a treatment room and directly at the patient's bed. This provides both users and patients with the necessary flexibility in medical practice. Depending on requirements, various flexible videoendoscopes can be used.



Video playback and frame-by-frame function*

To provide patients and family members with comprehensive information, captured image and video files can be played back on the system. Furthermore, the frame-by-frame function allows a detailed analysis of findings during stroboscopy and/or swallowing examinations.

*Video playback functions can be integrated via a software update.

SCENARA® Content Management makes data available anytime and anywhere

Documentation of endoscopic examinations and surgical procedures has become part of the standard protocol employed in many hospitals and practices today. It requires the team members to cope with an increasingly complex digital environment and to handle large volumes of data. Continuous advancements in medical science and technology have resulted in a growing need for, and interest in, solutions which facilitate the transfer and management of data. Data records must be stored in a clearly structured manner to make them readily accessible when needed later, e.g., for patient follow-up or for studies and research. Apart from that, medical professionals are always interested in simplified processes, increased efficiency, and patient satisfaction.

SCENARA® Content Management supports the management, editing and storage of the content generated along the patient pathway and assigns it to the individual patient. It is therefore possible to keep track of images, videos and reports and access them at any time from any PC, tablet or smartphone. Data security is ensured through encryption in accordance with the latest security standards. A backup strategy prevents data loss, and user management ensures that each user can only view the content shared with them.



Image and video management

SCENARA.media allows you to easily and intuitively edit and save endoscopic image and video data generated in the OR. The export function into various file formats, such as PDF or PowerPoint, helps you process data for various purposes and optimally completes your OR documentation.

- Central access to image, video, and patient data
- Direct image and video upload from a smartphone
- Comparison of one or more procedures by viewing two videos in parallel
- Adaptive streaming to ensure continuous playback
- Rapid orientation within the videos via a surgical timeline
- Simple operation with fast forward and frame-by-frame navigation
- Video editing, snapshots, and image processing with just a few clicks
- Intuitive addition of annotations
- Data forwarding to the PACS



HIS interface and procedure management

SCENARA.procedures supports the planning of procedures and a smooth workflow in the OR. An overview of the current status of scheduled and ongoing procedures contributes to keeping track and control of OR processes. Through an interface with the hospital information system, patient and order data can be synchronized at any time. The easy transmission of planning data to documentation systems facilitates the direct assignment of the images and videos recorded in the OR to patients.

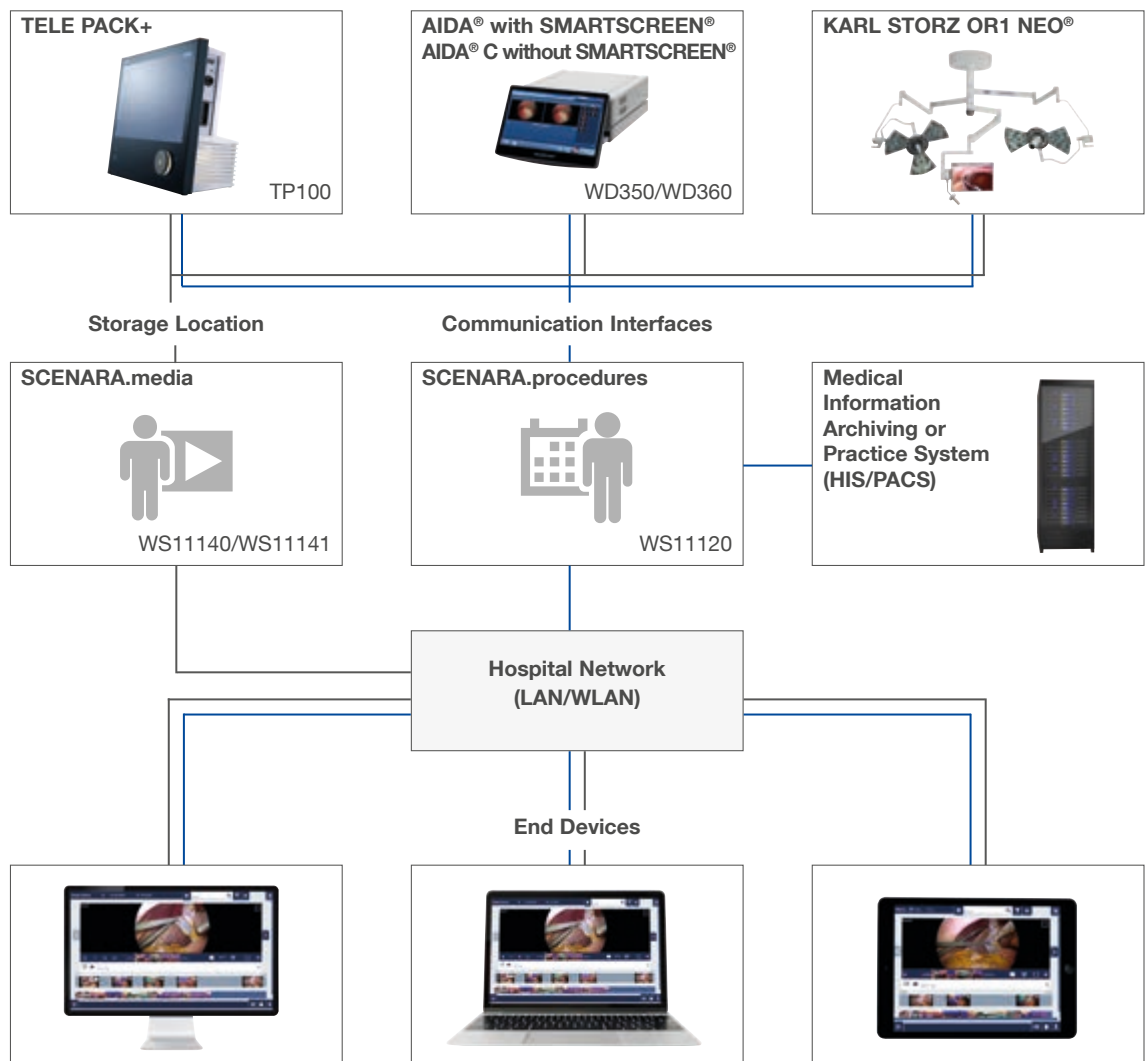
- Planning of the OR workflow
- Filter options and search menu
- Optional HL7 interface
- DICOM Worklist Provider



Benefits of using the TELE PACK+ with SCENARA®

- Transfer of patient data from the DICOM worklist via SCENARA.procedures to the TELE PACK+ => no manual input of patient data required
- Transmission of image and video data via SCENARA.media to PACS or storage on local server
- Centralized and mobile access to images, videos and patient data via SCENARA.media
- Thanks to the intelligent export manager, the TELE PACK+ is ready for immediate use
- No media discontinuities
- Data protection

TELE PACK+ and SCENARA.media/.procedures Integration



TELE PACK+



TP101

TELE PACK+, endoscopic video unit with 2 camera inputs (X-LINE and C-LINE) for use with flexible videoendoscopes 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 touch screen monitor, power supply 100-240 VAC, 50/60 Hz including:
Mains Cord, length 300 cm

TELE PACK+	TP101
Power supply	100-240 VAC
Power frequency	50/60 Hz
Power consumption	140 VA
Dimensions	470 x 387 x 222 mm (w x h x d)
Weight	9 kg
Storage/transport temperature	-10 °C to +60 °C
Humidity (non-condensing)	Operation: 15%-80% Storage/transport: 5%-85%
Air pressure	Operation: 700 hPa – 1080 hPa Storage/transport: 500 hPa – 1080 hPa
Operating temperature	0 °C to 40 °C
Operating rated altitude NN	3000 m
Light Source	
Lamp	LED
Color temperature	5700 K
Display	
Screen size	18.5"
Resolution	1920 x 1080p
Contrast	1200:1
Loudspeaker	
Consumption	3.2 W
Specifications Memory Device	
Memory interface	USB
Image format	JPEG
(Audio)/video format	MPEG-4

Stroboscopy Kit



- 40160033 **TELE PACK Footswitch**, footswitch with USB port and integrated activation key for stroboscopy function (plug & play), for use with KARL STORZ TELE PACK X LED TP100 and TELE PACK+ TP101



- 40160031 **Microphone Set**, for use with KARL STORZ TELE PACK X LED TP100 and TELE PACK+ TP101 including:
Microphone Fitting
Microphone Holder
Connector for Microphone Membrane

Videoendoscope for Stroboscopy



- 11101HDK **HD Video Rhino-Laryngoscope KIT**, direction of view 0°, angle of view 100°, working length 30 cm, outer diameter 3.7 mm, deflection up/down 140°/140°
The following accessories are included in delivery:
11101HD **HD Video Rhino-Laryngoscope, 3.7 mm**
13242XL **Leakage Tester**
11025E **Pressure Compensation Cap**
27677SL **Case**

Videoendoscopes for Diagnosis



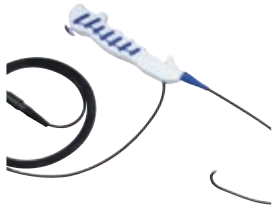
- 11102CMK **CMOS Video Rhino-Laryngoscope KIT**, direction of view 0°, angle of view 100°, working length 30 cm, outer diameter 2.9 mm, deflection up/down 140°/140°
The following accessories are included in delivery:
11102CM **CMOS Video Rhino-Laryngoscope, 2.9 mm**
13242XL **Leakage Tester**
11025E **Pressure Compensation Cap**
27677SL **Case**



- 13303EK **Video Esophagoscope KIT**, direction of view 0°, angle of view 100°, working length 75 cm, outer diameter 2.9 mm, deflection up/down 210°/140°
The following accessories are included in delivery:
13303E **Video Esophagoscope, 2.9 mm**
13242XL **Leakage Tester**
11025E **Pressure Compensation Cap**
27677SM **Case**

Single-Use Videoendoscope

STERILE 



091330-06* **CMOS Video Rhino-Laryngoscope SSU**, direction of view 0°, angle of view 90°, working length 30 cm, outer diameter 3.5 mm, deflection up/down 140°/140°, sterile, for single use, package of 6, for use with E-BOX TP012 and TELE PACK+

Camera Heads

Camera head for stroboscopy



TH110 **IMAGE1 S™ HX One-Chip FULL HD Camera Head**, 50/60 Hz, fixed focus, progressive scan, soakable, gas-and plasma-sterilizable, focal length $f = 16$ mm, 2 freely programmable camera head buttons, for use with IMAGE1 S X-LINK TC301, TELE PACK+ TP101 and TELECAM C3 TC100

Camera head for standard diagnosis



TH130 **H1 Camera Head**, one-chip HD camera head, progressive scan, low-temperature sterilization, focal length $f = 19$ mm, 2 freely programmable camera head buttons in combination with TELE PACK+ or TELECAM C3, for use with TELE PACK+ TP101, TELECAM C3 TC100 and C-MAC® Monitor 8404ZX

 available again soon

Telescopes for Rigid Stroboscopy



8700CKA BENJAMIN **Tele-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, angle of view 50°, diameter 5.8 mm, length 19 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow



8700H **Handle**, for use with Tele-Laryngoscopes 8700CP, 8700CKA, 8705CKA and 8700DKA (integrated in above image)



8705CKA BENJAMIN **Slimline Tele-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, angle of view 50°, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow



8700H **Handle**, for use with Tele-Laryngoscopes 8700CP, 8700CKA, 8705CKA and 8700DKA (integrated in above image)



8706CA **Strobo-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, oval sheath, 7.2 x 9.3 mm, working length 17 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow



8707DA **Tele-Laryngo-Pharyngoscope**, with integrated HOPKINS® lateral telescope 90°, 4x magnification, focusable, diameter 10 mm, working length 15 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue



8700DKA **Tele-Laryngo-Pharyngoscope**, with integrated HOPKINS® lateral telescope 90°, diameter 5.8 mm, length 20 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue



8700H **Handle**, for use with Tele-Laryngoscopes 8700CP, 8700CKA, 8705CKA and 8700DKA (integrated in above image)

Equipment Carts



UG803 **Subrack**, for COR mobile stand, low, rides on 4 antistatic dual wheels, with locking brakes, low beam module, incl. cable manager and handle, consisting of:
 UG800 **Base Module**, for COR mobile stand
 UG801 **Beam Module**, for COR mobile stand, small

UG804 **Subrack**, for COR mobile stand, high, rides on 4 antistatic dual wheels, with locking brakes, high beam module, incl. cable manager and handle, consisting of:
 UG800 **Base Module**, for COR mobile stand
 UG802 **Beam Module**, for COR mobile stand, high

Set Configuration



UG912

COR Mobile Stand, high, rides on 4 antistatic dual wheels, with locking brakes, high beam module, incl. cable manager and handle, consisting of:

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 (without accessories)



UG860

Optional

Drawer, small, for COR mobile stand



29005KHN

Camera Holder, for mounting camera heads, with removable inserts, suitable for all KARL STORZ endoscopic camera heads, for mounting on Equipment Rails UG607, UG608 and 29003GS



29005IFH

Holder for Flexible Endoscopes, for mounting to standard tubes, incl. installation accessories

UG813

Adaptor Set, for COR mobile stand, dimensions (w x h x d): 35 x 138 x 40 mm, for use with Holder for Flexible Endoscopes 29005IFH




11301BC

ProShield Protective Tube, for flexible telescopes, unsterile, for single use, package of 10, distal closed, for use with Holder for Flexible Endoscopes 29005IFH

Accessories for Network Integration and SCENARA®

20040276	RJ45 Network Cable , length 100 cm
20040076	RJ45 Network Cable , length 500 cm
W21067	OR1™ Network Isolator , according to EN 60601, for galvanic decoupling of units with RJ45 network connection (1 GBit)
WS111	OR1™ SCENARA® .CORE , license for SCENARA® software platform for hosting applications
WS11120	OR1™ SCENARA.procedures , license for software application
WS11140	OR1™ SCENARA.media , license for software application
WS11141	OR1™ SCENARA.media (3rd party) , license for software application

General Accessories

	20040282	USB Flash Drive , 32 GB
	549M	USB Color Printer , power supply 100-240 VAC, 50/60 Hz, including mains cord, for use with IMAGE1 S™, IMAGE1 ICM from software version 470206-328 BI and AIDA® compact NEO
	W20520-01	OR1™ Headset , for W20520X, for use with OR1™ Wireless Microphone Set W20520A, W20520D, W20520E or OR1™ Wireless Microphone Receiver W20526A, W20526D, W20526E

More than
75
Years

*Shaping the Future
of Endoscopy with you*

STORZ
KARL STORZ—ENDOSKOPE

THE DIAMOND STANDARD

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
Postbox 230, 78503 Tuttlingen/Germany
Phone: +49 7461 708-0
Fax: +49 7461 708-105
E-Mail: info@karlstorz.com
www.karlstorz.com