Highlights 2019
Oral and Maxillofacial Surgery

TMJ Surgery
TMJ Surgery

Instruments

Diagnosis

Surgery

ALL-IN-ONE

HOPKINS® Arthroscopes and Instruments
Visualization

- TMJ Arthroscopy
  - IMAGE1 S™ 4U
  - IMAGE1 S™
  - TELE PACK X LED

- Open TMJ Surgery
  - VITOM® 3D
HOPKINS® TMJ Arthoscopes and Instruments

The HOPKINS® arthoscopes for TMJ arthroscopy are available in the diameters 1.9 mm and 2.4 mm. Furthermore, 0° or 30° directions of view can be used as desired. The rod lens technology of HOPKINS® arthoscopes ensures particularly high image quality and hence the best possible view. This is particularly helpful in complex arthroscopic microsurgery since the technique requires detailed viewing of internal joint structures. Again, custom-fit obturators allow insertion of the arthroscopy sheaths into the joint space as atraumatically as possible. Additional trocars are positioned to allow insertion of instruments into the joint. A series of instruments, such as grasping forceps, scissors, palpation hooks, sickle knives, and probes, can be used in the joint via trocars. HOPKINS® telescopes are autoclavable and can be stored, cleaned, and sterilized in purpose-designed trays.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>58705 AA</td>
<td><strong>HOPKINS® Straight Forward Telescope 0°</strong>, diameter 1.9 mm, length 6.5 cm, <strong>autoclavable</strong>, fiber optic light transmission incorporated, color code: green</td>
</tr>
<tr>
<td>58706 AN</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 2.8 mm, working length 4 cm, for use with <strong>HOPKINS® Telescope 58705 AA</strong>, color code: green</td>
</tr>
<tr>
<td>58705 BA</td>
<td><strong>HOPKINS® Forward-Oblique Telescope 30°</strong>, diameter 1.9 mm, length 6.5 cm, <strong>autoclavable</strong>, fiber optic light transmission incorporated, color code: red</td>
</tr>
<tr>
<td>58706 BN</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 2.8 mm, working length 4 cm, for use with <strong>HOPKINS® Telescope 30° 58705 BA</strong>, color code: red</td>
</tr>
<tr>
<td>58706 BS</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>High-Flow Arthroscope Sheaths 58706 AN/BN</strong></td>
</tr>
<tr>
<td>58706 BT</td>
<td>Same, blunt</td>
</tr>
<tr>
<td>58717 X</td>
<td><strong>Trocar</strong>, outer diameter 1.8 mm, working length 4 cm, for use with <strong>Obturators 58717 XB/XS</strong> and Biopsy Forceps 58717 PZ</td>
</tr>
<tr>
<td>58700 BA</td>
<td><strong>HOPKINS® Wide Angle Forward-Oblique Telescope 30°</strong>, diameter 2.4 mm, length 10 cm, <strong>autoclavable</strong>, fiber optic light transmission incorporated, color code: red</td>
</tr>
<tr>
<td>58703 BH</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 3.2 mm, working length 8.5 cm, for use with <strong>HOPKINS® Telescope 58700 BA</strong>, color code: red</td>
</tr>
<tr>
<td>58702 BU</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>High-Flow Arthroscope Sheaths 58703 BH/CH</strong></td>
</tr>
<tr>
<td>58717 XB</td>
<td><strong>Obturator</strong>, blunt, for use with <strong>Trocar 58717 X</strong></td>
</tr>
<tr>
<td>58717 XS</td>
<td>Same, sharp</td>
</tr>
<tr>
<td>58702 X</td>
<td><strong>Trocar</strong>, outer diameter 2.5 mm, working length 3.5 cm, for use with <strong>Obturators 58702 XS/XT</strong> and instruments 58702 DH/EK/EO/M/N/S/U</td>
</tr>
<tr>
<td>58702 XS</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58702 XT</td>
<td>Same, blunt</td>
</tr>
<tr>
<td>58702 W</td>
<td><strong>Changing Rod</strong>, double-ended pointed/blunt, diameter 2 mm, length 15 cm, for High Flow Arthroscope Sheaths 58703 BH/CH and Trocar 58702</td>
</tr>
<tr>
<td>58702 DH</td>
<td><strong>Forceps</strong>, single action jaws, through-cutting, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58702 EO</td>
<td><strong>Scissors</strong>, single action jaws, upbiting, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58702 U</td>
<td><strong>Grasping Forceps</strong>, single action jaws, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58717 PZ</td>
<td><strong>Biopsy Forceps</strong>, single action jaws, diameter 1.3 mm, working length 6 cm, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58702 N</td>
<td><strong>Sickle Knife</strong>, straight, diameter 1.5 mm, blade 6 mm, working length 7.5 cm, for use with <strong>Trocar 58702 X</strong></td>
</tr>
<tr>
<td>58702 M</td>
<td>Same, blade 7.5 mm</td>
</tr>
<tr>
<td>58702 S</td>
<td><strong>Palpation Hook</strong>, graduated, diameter 1.5 mm, length of hook 1 mm, working length 7.5 cm, for use with <strong>Trocar 58702 X</strong></td>
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</tbody>
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**Reprocessing**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>39501A2</td>
<td><strong>Wire Tray for Cleaning, Sterilization and Storage</strong>, external dimensions (w x d x h): 352 x 125 x 54 mm</td>
</tr>
<tr>
<td>39502 Z</td>
<td><strong>Wire Tray for Cleaning, Sterilization and Storage</strong>, including hole plate walls and foldaway handles, external dimensions (w x d x h)</td>
</tr>
<tr>
<td>39502 L</td>
<td><strong>Lid</strong>, for use with <strong>Wire Tray 39502 Z</strong></td>
</tr>
<tr>
<td>39100 PS</td>
<td><strong>Fixation Pin</strong>, height 38 mm, package of 12</td>
</tr>
<tr>
<td>39360 AS</td>
<td><strong>Silicone Tie-Downs</strong>, package of 12</td>
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</tbody>
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The ALL-IN-ONE Temporomandibular Arthroscope

The ALL-IN-ONE TMJ Arthroscope has an outer diameter of 2.2 mm and an integrated 1.4 mm working channel. It combines a telescope, irrigation channel, and working channel and thereby allows arthroscopic lavage as well as arthroscopic microsurgery. Again, the arthroscope sheath is first inserted in the temporomandibular joint and then connected with the ALL-IN-ONE TMJ Arthroscope via the existing LUER lock connector. The arthroscope sheath features a scale that enables surgeons to track the insertion depth of the employed instruments. The palpation hook, scissors, and biopsy forceps can be directly inserted into the joint through the endoscope’s integrated working channel. The custom-fit tray ensures optimal endoscope storage and reprocessing.

All required components, including the endoscope, are autoclavable.
11578 A  **ALL-IN-ONE TMJ Arthroscope**, miniature straight forward telescope 0°, diameter 2.2 mm, working length 65 mm, **autoclavable**, working channel 1.4 mm, irrigation channel 0.25 mm, with remote eyepiece and fiber optic light transmission incorporated,

11578 KA  **Trocar**, outer diameter 2.6 mm, working length 6.5 cm, graduated, for use with Telescope 11578 A and Obturators 11578 BS/BT

11578 BS  **Obturator**, sharp, for use with Trocar 11578 KA

11578 BT  **Obturator**, blunt, for use with Trocar 11578 KA

11578 S  **Palpation Hook**, graduated, working length 21 cm, for use with ALL-IN-ONE TMJ Arthroscope 11578 A

11578 EO  **Scissors**, semirigid, diameter 1.3 mm, working length 20 cm, for use with ALL-IN-ONE TMJ Arthroscope 11578 A

11578 PZ  **Biopsy Forceps**, semirigid, diameter 1.3 mm, working length 20 cm, for use with ALL-IN-ONE TMJ Arthroscope 11578 A

**Reprocessing**

11580 D  **Metal Tray**, for sterilization and storage of one Miniature Straight Forward Telescope 11572 A – 11574 A, perforated, lid with silicone bridges, with port for irrigation adaptor, external dimensions (w x d x h): 275 x 175 x 37 mm

39301 G  **Plastic Container**, perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 503 x 112 x 46 mm
VITOM® 3D – 3D Visualization for Microsurgery and Open Surgery

The VITOM® 3D system provides many surgical disciplines with a revolutionary solution for the visualization of microsurgical and open surgical interventions. Application possibilities are similar to that of the operating microscope. The most important functions are controlled via the IMAGE1 PILOT, which is mounted on the OR table in the direct vicinity of the surgeon.

- Smaller, lighter and more compact than an operating microscope
- Lower acquisition costs and creates synergistic effects with endoscopy by using the same video tower – thus combining the benefits of endoscopy and microscopy
- Ergonomic work – the user is not confined to the eyepiece
- Improved workflow – the OR team can view the procedure in the same image quality as the surgeon
Overview

Holding Arm, for VITOM® 3D

28272 HSP

VITOM® 3D with integrated illuminator

TH 200

Sterile Cover for VITOM® 3D

TH 001

Fiber Optic Light Cables

495 VIT

IMAGE1 PILOT

IMAGE1 PILOT Sterile Cover

TC 014
041150-20*

IMAGE1 S™ Camera System

TC 201
TC 302

Cold Light Fountain POWER LED 300 SCB

TL 300

Holding Arm, for IMAGE1 PILOT

28272 HR
28172 HR

3D Monitors

TM 350, TM 330

3D Polarization Glasses, 3D Clip-on Glasses

TM 003
9800 C

*
VITOM® 3D – Potential Applications

The VITOM® 3D was specifically developed for the classic applications of surgical microscopes (neurosurgery, ENT, spine surgery, hand surgery, and plastic surgery). Furthermore, it can be used in classic open surgery.

**NEUROSURGERY**, e.g. tumor biopsy, tumor resection, nerve decompression, intracranial bleeding, vascular surgery

**ORAL AND MAXILLOFACIAL SURGERY**, e.g. dysgnathia surgery, flap plasty, orbital surgery

**ENT**, e.g. tumor resection, tympanoplasty, laryngeal surgery, adenotomy, blepharoplasty, septoplasty, open rhinoplasty, thyroplasty, thyroidectomy, eardrum paracentesis, tympanostomy tubes, cochlear implants

**CARDIAC SURGERY**, e.g. mitral valve surgery, pediatric cardiac surgery
Potential applications range from the visualization of the surgical field to documentation and training. The VITOM® 3D is supported by the IMAGE1 S™ camera platform and therefore offers all functions and advantages such as the S-Technologies CLARA, CHROMA, and SPECTRA* in 2D and 3D.

GYNECOLOGY, e.g. colposcopy, conization

HAND SURGERY and PLASTIC SURGERY, e.g. reconstructive surgery, median nerve neurolysis, Dupuytren's contracture, ulnar shortening osteotomy, ulnar head prosthesis, arthroplasty, ganglion resection, correction of trigger finger and mallet finger, four-corner arthrodesis

SPINE SURGERY, e.g. herniated disks, spinal stenoses, spondylodeses, vertebral fracture

PEDIATRICS, e.g. hypospadias, anorectal malformation, atrial septal defect

*not for sale in the U.S.
VITOM® 3D – 3D visualization for microsurgery and open surgery

TH 200  VITOM® 3D, with zoom and focus function, integrated illumination and horizontal alignment, working distance 20-50 cm, fiber optic light transmission incorporated, suitable for wipe disinfection, for use with IMAGE1 S D3-LINK® TC 302 and IMAGE1 PILOT TC 014

TC 014  IMAGE1 PILOT, control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200

IMAGE1 PILOT is required for the use of VITOM® 3D. VITOM® 3D and IMAGE1 PILOT are always used with a holding system. Please note that special clamping jaws are required to mount VITOM® 3D to the holding system.

Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image sensor</td>
<td>2-chip, 4K</td>
</tr>
<tr>
<td>Zoom</td>
<td>infinitely variable</td>
</tr>
<tr>
<td>Working distance (WD)</td>
<td>20-50 cm</td>
</tr>
<tr>
<td>Magnification (WD 30 cm with 32&quot; 3D monitor)</td>
<td>approx. 8-30 x</td>
</tr>
<tr>
<td>Cleaning</td>
<td>wipe disinfection</td>
</tr>
</tbody>
</table>
VERSACRANE™ holding system for the convenient positioning of VITOM®

28272 HSP  VERSACRANE™ Holding Arm, high, mobile, spring-supported, with quick release coupling KSLOCK, for use with KARL STORZ clamping jaws.

including:

Mobile Stand, with height adjustment

WARNING: The VERSACRANE™ holding arm cannot be used with rigid endoscopes!
Accessories

28272 VTK  **VITOM® 3D Clamping Jaw**, with ball joint and quick release coupling KSLOCK (male), for use with VITOM® 3D and KARL STORZ holding systems with quick release coupling KSLOCK

28272 VTP  **VITOM® 3D Clamping Jaw**, for POINT SETTER, with dovetail connector, for use with VITOM® 3D and POINT SETTER holding system

495 VIT  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 550 cm

*Note: The 550 cm long Light Cable 495 VIT is a necessary requirement for the VERSACRANE™.*

TH 001*  **Cover**, for VITOM® 3D, sterile, for single use, package of 10

*Please note: The instruments displayed are not included in the wire tray.*
TH 002  **VITOM**® 3D **Illuminator**, additional lighting for VITOM® 3D, with 1 adjustable lens, autoclavable, for use with VITOM® 3D and light cable

TH 003  **Protective Cover**, for VITOM® 3D

**Wire tray for reprocessing the VITOM**® 3D **illuminator**

**Set 2B**

- 39502 ZH  **Wire Tray**, stackable, with hole place walls
- 39502 LH  **Lid**
- 39100 SH  **Silicone Grid Insert LARGE DIAMOND GRID**
- 39100 PS  **Fixation Pin**, package of 12
- 39360 AS  **Silicone Tie-downs**, package of 12
**IMAGE1 PILOT with holding system for fixation to the operating table**

**TC 014**  
**IMAGE1 PILOT**, control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200

**28172 HR**  
**Rotation Socket**, to clamp to the operating table, with one mounted Butterfly Nut 28172 HRS, for European and US standard rails, with lateral clamp for height and angle adjustment of the articulated stand

**28272 HB**  
**Articulated Stand**, reinforced version

**041150-20**  
**Cover**, elasticated, 42 x 164 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems and IMAGE1 PILOT
Monitor

TM 350  32" 4K/3D Monitor, color systems PAL/NTSC, screen resolution 3840 x 2160, image format 16:9

TM 330  32" 3D Monitor, color systems PAL/NTSC, screen resolution 1920 x 1080, image format 16:9

9826 SF  Monitor Stand, basic monitor stand, tiltable, rotation +/-30°, disinfectable, color white, with VESA 100 adaptor, for use with all monitors with VESA 100 adaptors up to 12 kg

9832 SFH  Monitor Stand, for professional use, height-adjustable, tiltable, rotation +/-30°, disinfectable, color white, with VESA 200 adaptor, for use with 32" monitors up to 15 kg

TM 003  3D Polarization Glasses, fogless, passive, for use with 3D monitors

9800 C  3D Clip-on Glasses, circularly polarized
The IMAGE1 S™ 4U camera system allows the operating surgeon to make optimal use of the benefits offered by 4K technology. A notable feature is the image quality: High image brightness, impressive colors, greater richness of detail and a significantly improved depth effect characterize this system. Thanks to the system’s modularity, 4U components can be easily integrated into the existing IMAGE1 S™ camera platform. Consequently, the system is still compatible with existing technologies (e.g., rigid, flexible, fluorescence and 3D endoscopy) and can be adapted to meet individual customer needs.

- IMAGE1 S™ 4U impresses with outstanding, razor-sharp images
  - Excellent image brightness
  - First-rate color rendition
  - Greater richness of detail

- Three innovative visualization technologies for tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Spectral color shift and switch

- Easy integration into the IMAGE1 S™ camera platform

* not for sale in the U.S.
TC 201EN* IMAGE1 S CONNECT® II, connect module, for use with up to 3 link modules, 4K technology, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

TC 304 IMAGE1 S™ 4U-LINK, link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC 200 or IMAGE1 S CONNECT® II TC 201

TH 120 IMAGE1 S™ 4U One-Chip 4K UHD Camera Head, S-Technologies available, progressive scan, soakable, EO sterilization, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK

TM 440 58" 4K Monitor, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 400 x 400 and VESA 400 x 200 adaptors

TM 350 32" 4K 3D Monitor, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, 5V DC output (1 A), wall mount with VESA 100 adaptor

TM 342** 31" 4K Monitor, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 and VESA 200 adaptors

TL 300 Cold Light Fountain POWER LED 300 SCB, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100-240 VAC, 50/60 Hz

495 NAC Fiber Optic Light Cable, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

495 NCSC Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm

495 TIP Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 300 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM 342 not available in USA, Japan & China
IMAGE1 S™ – As Individual as Your Requirements

The IMAGE1 S™ camera platform offers surgeons a single system for all applications. As a modular camera platform, IMAGE1 S™ combines various technologies (e.g., rigid, flexible and 3D endoscopy) in one system and can therefore be adapted to individual customer needs. Furthermore, near infrared (NIR/ICG) for fluorescence imaging, the integration of operating microscopes and the use of VITOM® 3D is possible via the camera platform.

- Individual modules can be selected according to user requirements, e.g., for rigid and flexible endoscopes as well as 3D technology
- Three innovative visualization technologies for easy tissue differentiation, e.g., in the field of temporomandibular joint arthroscopy:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Color shift and exchange
- Automatic light source control
- Natural color rendition

* not for sale in the U.S.
TC 201EN* IMAGE1 S CONNECT® II Connect Module, for use with up to 3 link modules, 4K technology, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

TC 300 IMAGE1 S™ H3-LINK, link module, for use with IMAGE1 FULL HD three-chip camera heads, power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT™ TC 200 or IMAGE1 S CONNECT® II TC 201

TH 113 IMAGE1 S™ HX-P FI One-Chip FULL HD Pendulum Camera Head, S-Technologies (CHROMA, SPECTRA** A and B) available, for photodynamic early diagnosis (PDD) in conjunction with light source D-LIGHT C or C/AF, for autofluorescence (AF) in combination with light source with D-LIGHT C/AF, pendulum system and fixed focus, progressive scan, focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ X-LINK

TH 110 IMAGE1 S™ HX One-Chip FULL HD Camera Head, 50/60 Hz, fixed focus, progressive scan, soakable, EO sterilization, H2O2 (hydrogen peroxide), focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ X-LINK

TH 102 IMAGE1 S™ H3-Z FI Three-Chip FULL HD Camera Head, S-Technologies available, for perfusion diagnosis of tissues and organs with indocyanine green (ICG) in conjunction with light source D-LIGHT P, progressive scan, with integrated Parfocal Zoom Lens, focal length f = 15-31 mm (2x), 2 freely programmable camera head buttons, for use with IMAGE1 S™ H3-LINK and IMAGE1 S™ X-LINK TC 300 and IMAGE 1 HUB™ HD/IMAGE1 HD

TH 100 IMAGE1 S™ H3-Z Three-Chip FULL HD Camera Head, 50/60 Hz, S-Technologies available, progressive scan, soakable, EO sterilization, H2O2 (hydrogen peroxide), with integrated Parfocal Zoom Lens, focal length f = 15-31 mm (2x), 2 freely programmable camera head buttons, for use with IMAGE1 S™ H3-LINK TC 300 and IMAGE 1 HUB™ HD/IMAGE1 HD

TM 220 27” FULL HD Monitor, screen resolution 1920 x 1080, image format 16:9

TM 342** 31” 4K Monitor, screen resolution 3840 x 2160, image format 16:9

TM 350 32” 4K/3D Monitor, screen resolution 3840 x 2160, image format 16:9

TM 440 58” 4K Monitor, screen resolution 3840 x 2160, image format 16:9

TL 300 Cold Light Fountain POWER LED 300 SCB, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet

495 NT Fiber Optic Light Cable, with straight connector, diameter 2.5 mm, length 180 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM 342 not available in USA, Japan & China
*** not for sale in the U.S.
TELE PACK X LED

The TELE PACK X LED continues the tradition of the portable all-in-one systems from KARL STORZ. It can be used for a wide range of applications from the doctor’s office through to the operating room and, therefore, offers a considerable advantage in OMFS procedures.

The powerful all-in-one unit combines all the features required for optimal endoscopic imaging: Monitor, LED light source, camera control unit and data management with an integrated network function. Integrated data management enables comprehensive recording of surgical interventions. Multiple USB ports, an SD card slot and the possibility to integrate the unit into the hospital and/or practice network offer many options to archive captured photos and videos or reprocess these at an external destination.
Imaging Systems

Compact system with LED light source

TP 100EN

**TELE PACK X LED**, endoscopic video unit for use with KARL STORZ TELECAM one-chip camera heads and video endoscopes, incl. LED light source similar to Xenon technology, with integrated digital Image Processing Module, 15" LCD TFT monitor with LED backlight, USB/SD memory module, color systems PAL/NTSC, power supply 100-240 VAC, 50/60 Hz

including:

- **USB Silicone Keyboard**, with touchpad, US character set
- **USB Flash Drive**, 32 GB
- **SD Card**, 32 GB
- **Mains Cord**, length 300 cm

Accessories

20 212030

**TELECAM One-Chip Camera Head**, color system PAL, soakable, gas-sterilizable, with integrated Parfocal Zoom Lens, \( f = 25-50 \) mm (2x), 2 freely programmable camera head buttons

495 NT

**Fiber Optic Light Cable**, with straight connector, diameter 2.5 mm, length 180 cm
Imaging and OR Integration

KARL STORZ OR1™
Future-oriented integration meets innovative data management

KARL STORZ SE & Co. KG, Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
www.karlstorz.com
Further information and an overview of Oral and Maxillofacial Surgery products from KARL STORZ can be viewed on www.karlstorz.com in the Human Medicine section, Oral and Maxillofacial Surgery.