TMJ Surgery

Instruments

- Diagnosis
- Surgery

ALL-IN-ONE

HOPKINS® Arthroscopes and Instruments
HOPKINS® TMJ Arthroscopes and Instruments

The HOPKINS® arthroscopes 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® arthroscopes ensures good image quality. 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 asatraumatically 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>Item Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>58705AA</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>
<td></td>
</tr>
<tr>
<td>58706AN</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 2.8 mm, working length 4 cm, for use with <strong>HOPKINS® Telescope 58705AA</strong>, color code: green</td>
<td></td>
</tr>
<tr>
<td>58705BA</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>
<td></td>
</tr>
<tr>
<td>58706BN</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 2.8 mm, working length 4 cm, for use with <strong>HOPKINS® Telescope 30° 58705BA</strong>, color code: red</td>
<td></td>
</tr>
<tr>
<td>58706BS</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>High-Flow Arthroscope Sheaths 58706AN/BN</strong></td>
<td></td>
</tr>
<tr>
<td>58706BT</td>
<td><strong>Same</strong>, blunt</td>
<td></td>
</tr>
<tr>
<td>58717X</td>
<td><strong>Trocar</strong>, outer diameter 1.8 mm, working length 4 cm, for use with <strong>Obturators 58717XB/XS and Biopsy Forceps 58717PZ</strong></td>
<td></td>
</tr>
<tr>
<td>58700BA</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>
<td></td>
</tr>
<tr>
<td>58703BH</td>
<td><strong>High-Flow Arthroscope Sheath</strong>, outer diameter 3.2 mm, working length 8.5 cm, for use with <strong>HOPKINS® Telescope 58700BA</strong>, color code: red</td>
<td></td>
</tr>
<tr>
<td>58702BU</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>High-Flow Arthroscope Sheaths 58703BH/CH</strong></td>
<td></td>
</tr>
<tr>
<td>58717X  B</td>
<td><strong>Obturator</strong>, blunt, for use with <strong>Trocar 58717X</strong></td>
<td></td>
</tr>
<tr>
<td>58717XS</td>
<td><strong>Same</strong>, sharp</td>
<td></td>
</tr>
<tr>
<td>58702X</td>
<td><strong>Trocar</strong>, outer diameter 2.5 mm, working length 3.5 cm, for use with <strong>Obturators 58702XS/XT and instruments 58702DH/EK/EO/M/N/S/U</strong></td>
<td></td>
</tr>
<tr>
<td>58702XS</td>
<td><strong>Obturator</strong>, sharp, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702XT</td>
<td><strong>Same</strong>, blunt</td>
<td></td>
</tr>
<tr>
<td>58702W</td>
<td><strong>Changing Rod</strong>, double-ended pointed/blunt, diameter 2 mm, length 15 cm, for High Flow Arthroscope Sheaths 58703BH/CH and <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702DH</td>
<td><strong>Forceps</strong>, single action jaws, through-cutting, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702EO</td>
<td><strong>Scissors</strong>, single action jaws, upbiting, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702U</td>
<td><strong>Grasping Forceps</strong>, single action jaws, diameter 2.1 mm, working length 10 cm, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58717PZ</td>
<td><strong>Biopsy Forceps</strong>, single action jaws, diameter 1.3 mm, working length 6 cm, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702N</td>
<td><strong>Sickle Knife</strong>, straight, diameter 1.5 mm, blade 6 mm, working length 7.5 cm, for use with <strong>Trocar 58702X</strong></td>
<td></td>
</tr>
<tr>
<td>58702M</td>
<td><strong>Same</strong>, blade 7.5 mm</td>
<td></td>
</tr>
<tr>
<td>58702S</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 58702X</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Reprocessing**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</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>39502Z</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>39502L</td>
<td><strong>Lid</strong>, for use with <strong>Wire Tray 39502 Z</strong></td>
</tr>
<tr>
<td>39100PS</td>
<td><strong>Fixation Pin</strong>, height 38 mm, package of 12</td>
</tr>
<tr>
<td>39380AS</td>
<td><strong>Silicone Tie-Downs</strong>, package of 12</td>
</tr>
</tbody>
</table>
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 operations. 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.
11578A  **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,

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

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

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

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

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

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

**Reprocessing**

11580B  **Metal Tray**, for sterilization and storage of one Miniature Straight Forward Telescope 11575A, 11581A, 11582A, 11583A, 11578A or 58001A, perforated, lid with silicone bridges, with port for irrigation adaptor, external dimensions (w x d x h): 275 x 178 x 35 mm

39301G  **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

VERSACRANE™ LIGHT Holding Arm

TMJ Surgery

Fiber Optic Light Cables

VITOM® 3D with integrated illuminator

VERSACRANE™ LIGHT Holding Arm

VITOM® 3D

Sterile Cover for VITOM® 3D

Fiber Optic Light Cables

Cold Light Fountain POWER LED 300 SCB

Holding Arm, for IMAGE1 PILOT

STERILE COVER

IMAGE1 PILOT Sterile Cover

Holding Arm, for IMAGE1 PILOT

3D Monitors

3D Monitors

3D Polarization Glasses, 3D Clip-on Glasses

*
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, adenotomia, 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

**TH200 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® TC302 and IMAGE1 PILOT TC014.

**TC014 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 TH200.

**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>Specification</th>
<th>Details</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™ LIGHT holding system for the convenient positioning of VITOM® Telescopes

VERSACRANE™ LIGHT Holding Arm, mechanical mobile holding arm, with quick release coupling KSLOCK, for short-term, non-invasive and flexible positioning of VITOM® telescopes/exoscopes for open, microsurgical and minimally invasive surgery, for use with KARL STORZ clamping jaws and VITOM® telescopes/exoscopes including:

- Mobile Stand
- Mechanical Friction Brake

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

28272VTK  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

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

495VIT  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 495VIT is a necessary requirement for the VERSACRANE™.

TH001*  Cover, for VITOM® 3D, sterile, for single use, package of 10

Please note: The instruments displayed are not included in the wire tray.
TH002  VITOM® 3D Illuminator, additional lighting for VITOM® 3D, with 1 adjustable lens, autoclavable, for use with VITOM® 3D and light cable

TH003  Protective Cover, for VITOM® 3D

Wire tray for reprocessing the VITOM® 3D illuminator

Set 2B
39502ZH  Wire Tray, stackable, with hole place walls
39502LH  Lid
39100SH  Silicone Grid Insert LARGE DIAMOND GRID
39100PS  Fixation Pin, package of 12
39360AS  Silicone Tie-downs, package of 12
IMAGE1 PILOT with holding system for fixation to the operating table

TC014  **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 TH200

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

28272HB  **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

*SERILE*
Monitor

**TM350**  
*32" 4K/3D Monitor*, color systems PAL/NTSC, screen resolution 3840 x 2160, image format 16:9

**TM330**  
*32" 3D Monitor*, color systems PAL/NTSC, screen resolution 1920 x 1080, image format 16:9

**9826SF**  
*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

**9832SFH**  
*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

**TM003**  
*3D Polarization Glasses*, fogless, passive, for use with 3D monitors

**9800C**  
*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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC201EN*</td>
<td><strong>IMAGE1 S CONNECT® II</strong>, connect module, for use with up to 3 link modules, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB or KS HIVE and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>TC304</td>
<td><strong>IMAGE1 S™ 4U-LINK</strong>, link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200 or IMAGE1 S CONNECT™ II TC 201</td>
</tr>
<tr>
<td>TH121</td>
<td><strong>IMAGE1 S™ 4U RUBINA</strong>, OPAL1® NIR/ICG, two-chip 4K UHD camera head, S-Technologies available, for NIR/ICG fluorescence imaging in combination with POWER LED RUBINA, OPAL1® NIR/ICG, progressive scan, low-temperature sterilization, focal length ( f = 19 \text{ mm} ), 2 freely programmable camera head buttons, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK</td>
</tr>
<tr>
<td>TH120</td>
<td><strong>IMAGE1 S™ 4U One-Chip 4K UHD Camera Head</strong>, S-Technologies available, progressive scan, soakable, EO sterilization, ( \text{H}_2\text{O}_2 ) (hydrogen peroxide), focal length ( f = 18 \text{ mm} ), 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK</td>
</tr>
<tr>
<td>TM440</td>
<td><strong>58” 4K Monitor</strong>, 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</td>
</tr>
<tr>
<td>TM 342**</td>
<td><strong>31” 4K Monitor</strong>, 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</td>
</tr>
<tr>
<td>TM450</td>
<td><strong>55” 4K/3D Monitor</strong>, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, 100-240 VAC, 50/60 Hz, wall mount with VESA 200 and VESA 300 adaptors</td>
</tr>
<tr>
<td>TM009</td>
<td><strong>Signal Converter Set</strong>, 12G-SDI – 4x 3G-SDI, for use with 55” 4K/3D Monitor TM450</td>
</tr>
</tbody>
</table>

Suitable equipment cart for TM440 and TM450:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA10007</td>
<td><strong>OR1™ Cart for Monitor, Set</strong>, height-adjustable, for 42-64” monitor, VESA pattern min. 100/100, max. 400/400, monitor weight max. 60 kg, monitor holder height-adjustable on 1.8 m high column, four castors, floor area (in mm): 980 x 830, total height: 1.95 m</td>
</tr>
<tr>
<td>TM350</td>
<td><strong>32” 4K 3D Monitor</strong>, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 adaptor</td>
</tr>
<tr>
<td>TL400</td>
<td><strong>Cold Light Fountain POWER LED RUBINA</strong>, for NIR/ICG fluorescence imaging and standard endoscopic diagnosis, with two LEDs and one KARL STORZ light cable connection, with integrated unit communication via KS HIVE, power supply 100-125/220-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>TL300</td>
<td><strong>Cold Light Fountain POWER LED 300 SCB</strong>, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>495NAC</td>
<td><strong>Fiber Optic Light Cable</strong>, 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</td>
</tr>
<tr>
<td>495NCSC</td>
<td><strong>Same</strong>, diameter 4.8 mm, length 250 cm</td>
</tr>
<tr>
<td>495TIP</td>
<td><strong>Same</strong>, diameter 4.8 mm, length 300 cm</td>
</tr>
</tbody>
</table>

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM342 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, flexible and 3D technology
- Automatic light source control
- Natural color rendition
- Three innovative visualization technologies for easy tissue differentiation in 2D and 3D:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Color shift and exchange

* not for sale in the U.S.
TC201EN* IMAGE1 S CONNECT® II, connect module, for use with up to 3 link modules, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB or KS HIVE and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

TC304 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® TC200 or IMAGE1 S CONNECT® II TC201

TC300 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® TC200 or IMAGE1 S CONNECT® II TC201

TH110 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

TH120 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

TH100 IMAGE1 S™ Three-Chip FULL HD Camera Head, 50/60 Hz, S-Technologies available, progressive scan, soakable, EO sterilizable, 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 TC300 and IMAGE1 HUB HD/IMAGE1 HD

TM220 27" FULL HD Monitor, screen resolution 1920 x 1080, image format 16:9

TM342** 31" 4K Monitor, screen resolution 3840 x 2160, image format 16:9

TM350 32" 4K/3D Monitor, screen resolution 3840 x 2160, image format 16:9

TM440 58" 4K Monitor, screen resolution 3840 x 2160, image format 16:9

TM340 32" 4K Monitor, screen resolution 3840 x 2160, image format 16:9

TM450 55" 4K/3D Monitor, screen resolution 3840 x 2160, image format 16:9

TM009 Signal Converter Set 12G-SDI – 4x3G-SDI, for use with 55" 4K/3D Monitor TM450

TL300 Cold Light Fountain POWER LED 300 SCB, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet

495NT 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
Imaging diagnosis is performed not only in hospitals but also, for example, in doctors’ offices, day clinics or outpatient settings. Compact, flexible units with high image quality are in demand here. The new TELE PACK+ ALL-IN-ONE system from KARL STORZ meets these requirements. The system combines a monitor, LED light source, FULL HD camera control unit and documentation with integrated network function in a portable and compact unit.

- Image display in FULL HD quality
- 18.5” touch screen monitor with on-screen keyboard
- Integrated LED light source with stroboscopy function and automatic light source control
- Compatibility with rigid, flexible and single-use endoscopes from KARL STORZ
- Documentation with storage possibilities on USB memory devices and freely available internal memory of 50 GB
- Network functionality in combination with the software tool SCENARA® .CONNECT for the export and import of patient data in/out of HIS/PACS
TELE PACK+

TP101 TELE PACK+, endoscopic video unit with 2 camera inputs (X-LINE and C-LINE) for use with flexible videendoscopes 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

Camera Heads

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™

TH111 IMAGE1 S™ HX-P One-Chip FULL HD Pendulum Camera Head, 50/60 Hz, with pendulum system and 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™

TH130 H1 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+, for use with TELE PACK+ TP101, C-HUB® II 20290320 and C-MAC® Monitor for CMOS Endoscopes 8403ZX

Fiber Optic Light Cable

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

It is recommended to check the suitability of the product for the intended procedure prior to use. Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.
75 Years

Shaping the Future of Endoscopy with you