Highlights 2020
Oral and Maxillofacial Surgery

Lacrimal Duct Surgery/
Dacryocystorhinostomy
Lacrical Duct Surgery/Dacryocystorhinostomy

Instruments

Lacrical Duct Surgery

Diagnosis

Surgery

Dacryocystorhinostomy

Endoscopes and Instruments for Dacryocystorhinostomy
Motor Systems

- UNIDRIVE® S III ENT
- High-Speed Micro Motor
- DRILLCUT-X® II-35
- 35k Sinus Burr

Visualization

- UNIDRIVE® S III ECO
- High-Performance EC Micro Motor II
- IMAGE1 S™ 4U
- IMAGE1 S™
- TELE PACK+
Instrument Set for Endoscopic Dacryocystorhinostomy

This special set of instruments and endoscopes was designed for the transnasal endoscopic treatment of obstructed nasolacrimal ducts under direct visualization with an endoscope. This provides magnification and illumination of the indication field.

- No skin incisions or facial scars
- Also possible to simultaneously detect and treat changes to the nasal cavity and/or paranasal sinuses
**Endoscopes**

- **7230AA**  
  HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green

- **7230BA**  
  HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red

**Lachrymal Probes**

- **634840**  
  BOWMANN Lachrymal Probe, length 13 cm consisting of:
  - 745830 Probe, size 0000-000
  - 745800 Probe, size 00-0
  - 745802 Probe, size 1-2

- **496V**  
  Lachrymal Probe, for diaphanosscopic localization of the nasolacrimal ducts and fistulae, diameter of distal tip 0.5 mm, sterile, for single use, package of 3, for use with Fiber Optic Light Cable 495NL

**Nasal Specula**

- **404040**  
  Nasal Speculum, with fiber optic light carrier, blade length 40 mm, length 13.5 cm

- **404055**  
  Nasal Speculum, with fiber optic light carrier, blade length 55 mm, length 13.5 cm
Dissection Instruments

660540 Elevator, double-ended, blunt, graduated, length 20 cm
660500 Sickle Knife, slightly curved, pointed, length 18 cm
660506 Round Knife, vertical cutting, 3.5 x 2.5 mm, length 18 cm
660509 Round Knife, angled 45°, diameter 2 mm, length 18 cm
660512 Raspatory, curved to right, length 18 cm
660515 Raspatory, curved to left, length 18 cm
660521 Hook, 90°, blunt, length 18 cm
628702 Antrum Curette, oblong, small, length 19 cm

Forceps

456001B BLAKESLEY RHINOFORCE® II Nasal Forceps, straight, size 1, with cleaning connector, working length 13 cm
456501B BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, 45° upturned, size 1, with cleaning connector, working length 13 cm
489045 FERRIS-SMITH Nasal Forceps, dismantling, serrated, working length 11 cm
452002B MACKAY-GRÜNWALD RHINOFORCE® II Nasal Cutting Forceps, straight, through-cutting, extra delicate, tissue-sparing, 11.5 x 3.5 mm, size 2, with cleaning connector, working length 13 cm
451500B GRÜNWALD-HENKE RHINOFORCE® II Nasal Cutting Forceps, 45° upturned, through-cutting, tissue-sparing, BLAKESLEY shape, size 0, width 3 mm, with cleaning connector, working length 13 cm
430300 LUBET-BARBON Nasal Dressing Forceps, serrated, working length 10.5 cm
Lacrimal Duct Surgery/Dacryocystorhinostomy

Bone Punches

662122  KERRISON Bone Punch, detachable, rigid, upbiting 40° forward, size 2 mm, working length 17 cm
662123  KERRISON Bone Punch, detachable, rigid, upbiting 40° forward, size 3 mm, working length 17 cm

Suction Tube

529307  FRAZIER Suction Tube, with mandrel and cut-off hole, with distance marking at 5-9 cm, 7 Fr., working length 10 cm

Unipolar Coagulation

26520046  Electrode Handle, without buttons, with integrated connecting cable, length 300 cm, activation via two-pedal footswitch, for use with AUTOCON® II 400 (111, 112, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® 200/50 and Erbe-ICC/ACC/VIO
838501  Needle Electrode, for submucosa diathermy of the inferior turbinate, working length 10 cm, tip 1 cm
838503  Ball Electrode for Epistaxis, length 10 cm

Bipolar Coagulation

462020  TAKE-APART® CASTELNUOVO Bipolar Forceps, with fine jaws, width 2 mm, distally angled 45°, outer diameter 3.4 mm, working length 14 cm, with irrigation connector for cleaning including:
   Bipolar Ring Handle
   Outer Sheath
   Inner Sheath
   Bipolar Forceps Insert
462023  TAKE-APART® CASTELNUOVO Bipolar Forceps, with irrigation connector for cleaning, with fine, short jaws, width 2 mm, distally angled 45°, outer diameter 3.4 mm, working length 14 cm including:
   Bipolar Ring Handle
   Outer Sheath
   Inner Sheath
   Bipolar Forceps Insert

Further instruments can be found in the ENT catalog.
Set for Microendoscopy of the Lacrimal Duct

The set for microendoscopy of the lacrimal duct enables the opening of the lacrimal duct and thus restores the normal tear drainage.

- Minimally invasive intervention
- Direct visualization of the lacrimal sac and lacrimal duct
Miniature Endoscopes for Lacrimal Duct Endoscopy

58000A  Miniature Straight Forward Telescope 0°, semirigid, with remote eyepiece, autoclavable, with integrated working channels and protection tube, fiber optic light transmission incorporated, direction of view 0°, angle of view 70°, working length 7 cm, outer diameter 0.89 mm, working channels 0.27/0.2 mm

58001A  Miniature Straight Forward Telescope 0°, semirigid, with remote eyepiece, autoclavable, fiber optic light transmission incorporated, direction of view 0°, working length 10 cm, outer diameter 0.8 mm, working channel 0.15 mm

58000KA  Examination Sheath, diameter 1.1 mm, working length 4 cm, with obturator, for use with Miniature Straight Forward Telescope 58000 or 58000A

58001KA  Examination Sheath, diameter 1 mm, working length 7 cm, Luer-Lock, with obturator, for use with Telescope 58001A

Dilator and Lacrymal Probe

745900  WILDER Dilator, for salivary duct

634840  BOWMANN Lacrymal Probe, length 13 cm

including:

Probe, size 0000-000
Probe, size 00-0
Probe, size 1-2

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 connector, external dimensions (w x d x h): 275 x 178 x 35 mm
UNIDRIVE® S III ENT

One unit – six functions

- Shaver
- Sinus Burr (up to 35,000 rpm)
- High-speed Micro Motor
- High-performance EC Micro Motor II
- Micro Saw
- Dermatome
40701601-1 **UNIDRIVE® S III ENT SCB**, motor control unit with color display, touch screen, two motor outputs, integrated irrigation pump and integrated SCB module, power supply 100-240 VAC, 50/60 Hz including:
- **Mains Cord**
- **Irrigator Rod**
- **Two-Pedal Footswitch**
- **SCB Connecting Cable**, length 100 cm
- **Single-use Tubing Set***, sterile, package of 3

**Optional Accessories**

280053 **Universal Spray**, 6x 500 ml bottles, - HAZARDOUS GOODS – UN 1950 including:
- **Spray Nozzle**

280053C **Spray Nozzle**, for the reprocessing of INTRA burr handpieces, for use with Universal Spray 280053B

031131-10*** **Tubing Set**, sterile, for single use, package of 10, for use with UNIDRIVE® ENT/ECO/NEURO, UNIDRIVE® S III ENT/ECO/NEURO

*STERILE

© KARL STORZ 9404/1023 OMFS 1.0 08/2020/YHL-E
UNIDRIVE® S III ECO

One unit – five functions

- Shaver
- Sinus Burr up to 12,000 rpm
- High-performance EC Micro Motor II
- Micro Saw
- Dermatome
UNIDRIVE® S III ECO, motor control unit with two motor outputs and integrated irrigation pump, power supply 100-240 VAC, 50/60 Hz

including:
Mains Cord
Two-Pedal Footswitch
Single-use Tubing Set*, sterile, package of 3

The maintenance of additional motor-driven motor components (high-performance motors, burr handpieces, shaver handpieces) must be performed with Universal Spray 280053B + C (not included in delivery). Please order separately.

Optional Accessories

280053 Universal Spray, 6x 500 ml bottles, – HAZARDOUS GOODS – UN 1950
including:
Spray Nozzle

280053C Spray Nozzle, for the reprocessing of INTRA burr handpieces, for use with Universal Spray 280053B

031131-10* Tubing Set, sterile, for single use, package of 10, for use with UNIDRIVE® ENT/ECO/NEURO, UNIDRIVE® S III ENT/ECO/NEURO*
Motor Systems

Special features of the High-Performance EC Micro Motor II:

- Self-cooling and brushless
- Autoclavable
- Can be reprocessed in a cleaning machine
- Detachable connecting cable
- Number of revolutions up to 40,000 rpm, infinitely variable
20711033  **High-Performance EC Micro Motor II**, for use with UNIDRIVE® II/UNIDRIVE® ENT/OMFS/NEURO/ECO and Connecting Cable 20711073 or for use with UNIDRIVE® S III ENT/ECO/NEURO and Connecting Cable 20711173

20711173  **Connecting Cable**, to connect High-Performance EC Micro Motor II 20711033 to UNIDRIVE® S III ENT/ECO/NEURO

### INTRA Drill Handpieces

252571  **INTRA Drill Handpiece**, angled, length 15 cm, transmission 1:1 (40,000 rpm), for use with KARL STORZ High-Performance EC Micro Motor II and straight shaft burrs

252574  **Same**, transmission 1:2 (80,000 rpm)

252591  **INTRA Drill Handpiece**, straight, length 13 cm, transmission 1:1 (40,000 rpm), for use with KARL STORZ High-Performance EC Micro Motor II and straight shaft burrs

### Burrs

<table>
<thead>
<tr>
<th>Detail</th>
<th>Size</th>
<th>Diameter mm</th>
<th>Standard</th>
<th>Diamond</th>
<th>Diamond, coarse</th>
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649600  **Standard Straight Shaft Burr**, stainless, sizes 014-070, length 9.5 cm, set of 11

649700  **Diamond Straight Shaft Burr**, stainless, sizes 014-070, length 9.5 cm, set of 11

649700G **Rapid Diamond Straight Shaft Burr**, stainless, with coarse diamond coating for precise drilling and abrasion without hand pressure and generating minimal heat, sizes 023-070, length 9.5 cm, set of 9, color code: gold

280033  **Rack**, for 36 straight shaft burrs with a length of 9.5 cm, foldable, sterilizable, size 22 x 14 x 2 cm

### Reprocessing

39552A  **Wire Tray**, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030, rack not included, for the storage of 6 drill handpieces, EC Micro Motor connecting cable and small parts

395552B **Same**, with rack, for the storage of 6 drill handpieces, connecting cable and EC Micro Motor, up to 36 drills, burrs and small parts

39130AR **Cleaning Adaptor**, LUER-Lock connector, for use with INTRA and High-Speed Handpieces 2525xx, 2526xx
Motor Systems

Special features of the High-Speed Micro Motor:

- Brushless
- Autoclavable
- Can be reprocessed in a cleaning machine
- Number of revolutions up to 60,000 rpm, infinitely variable
High-Speed Micro Motor, max. speed 60,000 rpm, including connecting cable, for use with UNIDRIVE® S III ENT/NEURO

High-Speed Handpiece, extra long, malleable, slim, angled, 60,000 rpm, for use with High-Speed Micro Motor 20712033

High-Speed Handpiece, super long, malleable, slim, angled, 60,000 rpm, for use with High-Speed Micro Motor 20712033

The handpiece shaft is malleable and can be adjusted to 20° according to the needs of the operating surgeon.

Burrs

<table>
<thead>
<tr>
<th>Diameter in mm</th>
<th>extra long</th>
<th>super long</th>
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<tr>
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<td>320220SL</td>
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<td>320230SL</td>
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<tr>
<td>4</td>
<td>320240EL</td>
<td>320240SL</td>
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High-Speed Diamond Burrs, 60,000 rpm, sterile, for single use, package of 5

<table>
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<th>Diameter in mm</th>
<th>extra long</th>
<th>super long</th>
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</thead>
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<td>320320SL</td>
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<td>4</td>
<td>320340EL</td>
<td>320340SL</td>
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</table>

High-Speed Coarse Diamond Burrs, 60,000 rpm, sterile, for single use, package of 5

Reprocessing

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030

Cleaning Adaptor, Luer-Lock connector, for use with INTRA and High-Speed Handpieces 2525xx, 2526xx
DRILLCUT-X® II-35 – When Power Meets Precision

Handpiece for the UNIDRIVE® S III ENT motor system

The DRILLCUT-X® II-35 handpiece, in conjunction with the 35k sinus burrs, represents an innovative addition to the KARL STORZ product portfolio and is specially optimized for the highest speeds.

- Up to 35,000 rpm
- Five different burr inserts available
- Handpiece and burr inserts can be used with the existing UNIDRIVE® S III ENT motor system
- Handpiece can also be used with shaver attachments
40712035  **DRILLCUT-X® II-35 Shaver Handpiece**, for use with UNIDRIVE® S III ENT/NEURO
40712535  **DRILLCUT-X® II-35 N Shaver Handpiece**, with adaptation possibilities for Optical Shaver Tracker 40800122, for use with UNIDRIVE® S III ENT/NEURO and NAV1® PICO or NAV1® OPTICAL
40712090  **Handle**, adjustable, for use with DRILLCUT-X® II N shaver handpiece

**Optional Accessories**

41250RA  **Cleaning Adaptor**, Luer-Lock, for cleaning DRILLCUT-X®/DRILLCUT-X® II/DRILLCUT-X® II-35 handpieces
39550A  **Wire Tray**, provides safe storage of accessories for KARL STORZ paranasal sinus shaver systems during cleaning and sterilization, for storage of up to 7 shaver attachments and a connecting cable

<table>
<thead>
<tr>
<th>Detail</th>
<th>Sinus Burr 35k, with integrated irrigation, length 12 cm, sterile, for single use, package of 5, color code: red</th>
</tr>
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<tbody>
<tr>
<td><img src="icon" alt="41335RN" /></td>
<td>41335RN, curved 15º, bud drill, burr diameter 4 mm, shaft diameter 4 mm</td>
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<tr>
<td><img src="icon" alt="41335W" /></td>
<td>41335W, curved 40º, cylindrical, burr diameter 3 mm, shaft diameter 4 mm</td>
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<tr>
<td><img src="icon" alt="41335DW" /></td>
<td>41335DW, curved 40º, diamond head, burr diameter 5 mm, shaft diameter 4 mm</td>
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<tr>
<td><img src="icon" alt="41335DS" /></td>
<td>41335DS, curved 40º, diamond head, burr diameter 4 mm, shaft diameter 4 mm</td>
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<tr>
<td><img src="icon" alt="41335DT" /></td>
<td>41335DT, curved 70º, diamond head, burr diameter 3.6 mm, shaft diameter 4 mm</td>
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</table>

12k Sinus Burrs and Shaver Blades can be found in the ENT catalog.
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
- Three innovative visualization technologies for easy tissue differentiation in 2D and 3D:
  - 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.
Comparison of S-Technologies:

- Standard image
- CLARA

- Standard image
- CHROMA

- Standard image
- SPECTRA*

* not for sale in the U.S.
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC201EN*</td>
<td>IMAGE1 S CONNECT® II</td>
<td>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>IMAGE1 S™ 4U-LINK</td>
<td>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</td>
</tr>
<tr>
<td>TC302</td>
<td>IMAGE1 S D3-LINK®</td>
<td>Link module, for use with TIPCAM® S 3D and VITOM® 3D, power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200 or IMAGE1 S CONNECT® II TC201</td>
</tr>
<tr>
<td>TC301</td>
<td>IMAGE1 S™ X-LINK</td>
<td>Link module, for use with flexible videoendoscopes and one-chip camera heads (up to FULL HD), power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200 or IMAGE1 S CONNECT® II TC201</td>
</tr>
<tr>
<td>TC300</td>
<td>IMAGE1 S™ H3-LINK</td>
<td>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</td>
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<tr>
<td>TH120</td>
<td>IMAGE1 S™ One-Chip 4K UHD Camera Head</td>
<td>S-Technologies available, progressive scan, soakable, EO sterilizable, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK</td>
</tr>
<tr>
<td>TH121</td>
<td>IMAGE1 S™ 4U RUBINA™</td>
<td>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 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK</td>
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<tr>
<td>TH113</td>
<td>IMAGE1 S™ HX-P Fl One-Chip FULL HD Pendulum Camera Head</td>
<td>S-Technologies (CHROMA, SPECTRA**** A and B) available, OPAL1® technologies (PDD) in combination with light source D-LIGHT C or D-LIGHT C/AF, with pendulum system and fixed focus, progressive scan, soakable, EO sterilizable, H₂O₂ (hydrogen peroxide), focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ X-LINK</td>
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<tr>
<td>TH110</td>
<td>IMAGE1 S™ HX One-Chip FULL HD Camera Head</td>
<td>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</td>
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<tr>
<td>TH102</td>
<td>IMAGE1 S™ H3-Z Fl Three-Chip FULL HD Camera Head</td>
<td>For white light applications and the identification of anatomical structures 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 IMAGE 1 HUB HD/IMAGE1 HD</td>
</tr>
<tr>
<td>TH100</td>
<td>IMAGE1 S™ Three-Chip FULL HD Camera Head</td>
<td>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 IMAGE 1 HUB HD/IMAGE1 HD</td>
</tr>
<tr>
<td>26606ACA</td>
<td>TIPCAM®1 RUBINA™</td>
<td>OPAL1® NIR/ICG, 4K/3D, high-resolution videoendoscope with two distal integrated video chips, for NIR/ICG fluorescence imaging in combination with POWER LED RUBINA™, OPAL1® NIR/ICG and Sync Connecting Cable TL006, direction of view 0°, diameter 10 mm, length 32 cm, autoclavable, S-Technologies available, freely programmable camera head buttons, including video connection cable, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK</td>
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<tr>
<td>26606BCA</td>
<td>Same</td>
<td>Direction of view 30°</td>
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</tbody>
</table>
Lacrimal Duct Surgery/Dacryocystorhinostomy

26605AA  **TIPCAM®1 S 3D LAP**, with two FULL HD image sensors, direction of view 0°, diameter 10 mm, length 32 cm, **autoclavable**, S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™

26605BA  *Same*, direction of view 30°

7240AA3D  **TIPCAM®1 S 3D ORL**, direction of view 0°, diameter 4 mm, length 18 cm, two FULL HD image sensors, **autoclavable**, S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™

7240BA3D  *Same*, direction of view 30°

7240FA3D  *Same*, direction of view 45°

28164AA3D**  **TIPCAM®1 S 3D NEURO**, direction of view 0°, diameter 4 mm, length 18 cm, two FULL HD image sensors, **autoclavable**, S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S D3-LINK®

28164BA3D**  *Same*, direction of view 30°

28164FA3D**  *Same*, direction of view 45°

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

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

TM342***  **31” 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 – 4x 3G-SDI, for use with 55” 4K/3D Monitor TM450

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

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

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

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

495NAC  **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

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** Currently not available on CE markets
*** TM342 not available in USA, Japan & China
**** not for sale in the U.S.
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.
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 TC 201

TH121 **IMAGE1 S™ 4U RUBINA**, 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 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-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

TM440 **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 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

TM450 **55" 4K/3D Monitor**, 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

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

Suitable equipment cart for TM440 and TM450:

WA10007 **OR1™ Cart for Monitor Set**, 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

TM350 **32" 4K 3D Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 adaptor

TL400 **Cold Light Fountain POWER LED RUBINA**, 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

TL300 **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

495NAC **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

495NCSC **Same**, diameter 4.8 mm, length 250 cm

495TIP **Same**, diameter 4.8 mm, length 300 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
** TM342 not available in USA, Japan & China
TELE PACK+
Compact endoscopy

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 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

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.
Shaping the Future of Endoscopy with you