eyeMAX®
Flexible LED Video Urethroscope/Cystoscope/Nephroscope
If you have been accustomed to using a light source as illumination for your endoscopes, you will find that a new light generation is now setting new standards in terms of lighting power!

We have combined this new LED technology with the already extremely successful flexible video cystoscope and developed an instrument that creates a bright and fully homogeneously illuminated endoscopic image. In the main, this can be attributed to the extremely large angle of emission of the LED.

Compared with previous illumination systems, a tiny LED (light-emitting diode) that creates bundled light with a high light density ensures a brilliant picture quality. This means that you no longer need a light source or a light cable – a positive development in terms of your budget. Expensive repairs caused by burnt light cables/broken fibres or replacement of the lamp module are therefore things of the past. A further plus for the new LED technology is its long working life.

The new controller connecting cable also deserves a special mention. This extremely thin and flexible cable exits the instrument towards proximal along the axis and is simply connected to the camera controller that supplies the required power to the LED. The freedom of movement of the surgeon is therefore increased and no longer restricted by an irritating light cable or a lateral cable exit.

Not having a light cable also makes the instrument lighter, reducing fatigue during interventions.

Otherwise, you can enjoy the advantages already known from the previous model. In concrete terms, this means the technical dimensions have been retained, in particular the unique, genuinely atraumatic shape of the distal tip at only 9.8 Fr. This facilitates the introduction of the instrument and is also much less unpleasant for your patient.

The instrument also has an extremely modern and highly ergonomic handpiece with which you can work free of physical strain.
Nephroscope

To fix the deflection at a specific position, the instrument is equipped with a brake. This can be controlled simply using the rocker lever on the control lever.

Suction valve

To achieve fast and effective suction, all flexible LED video cystoscopes have been equipped with a special suction valve. Pressing a button starts the fast evacuation of irrigation fluid from the bladder.

LED technology

This light generation sets new standards! A high-power LED supplies the cystoscope with an extraordinarily brilliant light quality. The extremely large and bright angle of emission of the LED achieves fully homogeneous illumination of the endoscopic image.

Locking

To fix the deflection at a specific position, the instrument is equipped with a brake. This can be controlled simply using the rocker lever on the control lever.
Flexible LED Video Urethro-Cystoscope/Nephroscope

To allow you to operate the new LED video cystoscope/nephroscope ideally, the only thing you still require is a monitor and a universal camera controller. The previously familiar light source and light cable are no longer necessary and can be done without.

Possible device combinations

Flexible LED video urethro-cystoscope set oblique, distal tip 9.8 Fr., integrated LED illumination, sheath 10.9 Fr., working and irrigation channel 6 Fr., angle of view 0°, field of view 120°, deflection: 210° up, 150° down (in total 360°). WL 400 mm, with case, with suction valve, control lever towards distal – deflection down, new housing design, PAL version comprising:
- LED video urethro-cystoscope (721000144), sealing membrane for suction valve, pack of 20 (15.479.014), seal tester with bayonet connector (163.903), pressure compensation valve (163.904), cleaning brush (7264.691) ...........................7100001442
- Features as above, but with control lever towards distal – deflection up comprising:
- LED video urethro-cystoscope (72100064), sealing membrane for suction valve, pack of 20 (15.479.014), seal tester with bayonet connector (163.903), pressure compensation valve (163.904), cleaning brush (7264.691) ...........................7310000642

V sets in NTSC version on request

Recommended accessories:
- CCD endocam controller 5520 set can also be used with standard camera heads ................5520.2011
- CCD endocam controller 5520 set can also be used with standard camera heads ...............5520.2101
- Remote control ..............................5520.401
- Flat screen monitor 19" for a brilliant endoscopic image ...........................................5370.019

Also:
- Base ........................................5370.0190
- Compact cart ...............................32113.003
- Suction pump ................................2207.0011
- Biopsy forceps both jaws move, WL = 560 mm, 5 Fr. ..........829.051
- Grasping forceps with mouse tooth both jaws move, WL = 550 mm, 5 Fr. ..................8735.685
- Button electrodes flexible for coagulation, WL = 920 mm, 5 Fr. ..................8741.80
- Laser fibre for bladder stones with MegaPulse laser, fibre diameter: 600 µm, disposable fibres (pack of 6) ..........................487501605
- Re-usable fibres (pack of 6) .............................87501605
- Attachment with instrument port ................7305.782
- Biopsy valve with automatic seal for simple introduction of probes and auxiliary instruments for attachment 7305.782 .............8265.851
- Adapter for machine leak test ..............................163.905

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