

Advantages:

- Hygienic: Disposable catheter with unique lens in combination with a reusable clear fiber optic eliminates contamination issues.
- Excellent vision: No loss of pixels as the optic has never to be sterilized.
- Easy to steer: due to the very strong steering mechanism.
- Very small outer diameter: 2,65 mm / 8F.
- Wide working channel: Ø 1,2 mm / 3,5 F for all kind of tools like biopsy forceps or laser fibers.
- Separate light channel, which perfectly illuminates the examination area to a depth of at least 30 mm.
- Easy to use: since the ocular including light cable and camera head is positioned in a separate supporting three-joint-arm, it is no longer needed to carry the ocular, light cable and camera head. Additionally, sterile camera drapes are neither needed which saves more money.
- Factory repair service is obsolete: exchange repairs of the optical system, if ever necessary, can be performed by the medical staff directly on site in the OR.

Technical data

Endoscopic catheter

Ø 2,65 mm/8 French with 100° steerable tip.

Working Channel: Ø 1,20 mm / 3,50 French.

Light transporting fibers for perfect illumination of the examination area.

Catheter working lengths available: 30 cm

All catheters are length-marked for position control.

Optical system

10.000 pixels (150 cm) with 120° viewing angle for picture transmission.

Cost effective

Maintenance free

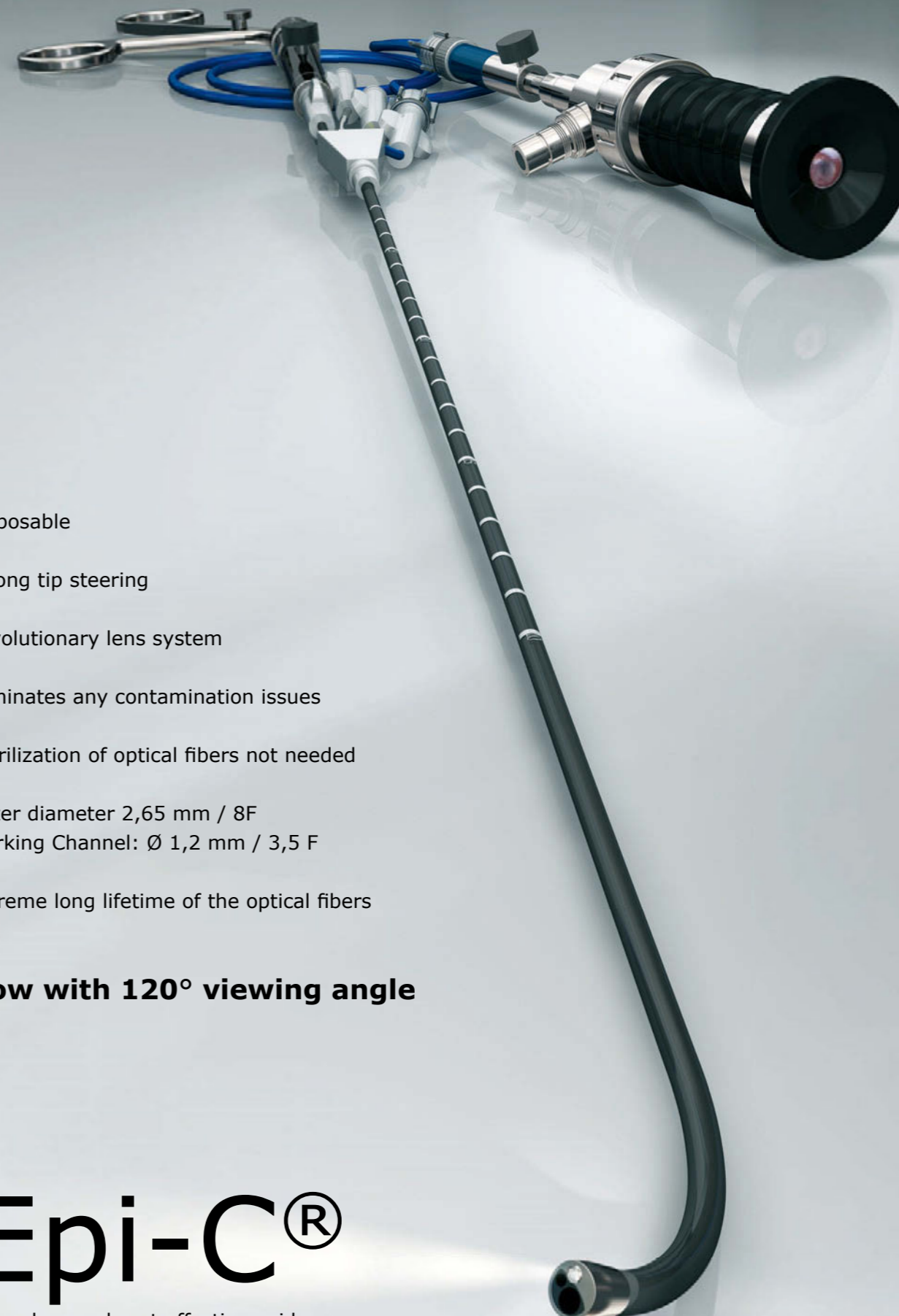
Since the new Epi-C® is disposable, factory repairs of the endoscope itself are eliminated. Repairs, if ever necessary, can be performed by the medical staff directly in the OR. A major convenience and cost saving.

Superior reliability

The optical system of the Epi-C® is very reliable, which will save repair time and cost. Tests with this new optical system demonstrate that even after 50 uses, no service was required.

Low costs

The innovative design of the Epi-C® allows the complete system to be priced much lower than competitive systems. Considering its follow-up costs (disposable catheters) in comparison with competitors, the Epi-C® again has more than a 30% cost advantage.



Disposable

Strong tip steering

Revolutionary lens system

Eliminates any contamination issues

Sterilization of optical fibers not needed

Outer diameter 2,65 mm / 8F
Working Channel: Ø 1,2 mm / 3,5 F

Extreme long lifetime of the optical fibers

Now with 120° viewing angle

Epi-C®

For a clear and cost effective epiduroscopy



Epi-C®

Epi-C® is the first disposable epiduroscope which eliminates any contamination issues. Due to the unique diamond lens at the end of the catheter the optic will never be in contact with the patient. It combines the image quality of a reusable optical system with the safety of a disposable one. With this unique concept, the Epi-C® does not become contaminated, thereby eliminating the need to sterilize the optical system and significantly extending its lifetime. The revolutionary design of the Epi-C® makes a safe and clear epiduroscopy affordable for every clinic.

Optical System

The optical system provides excellent picture quality. The system is modular and consists of an ocular, 10.000 optical fibers with 120° viewing angle lens for an excellent broad picture, and an optic length compensator, which compensates for length differences between the catheter and the bent optic when the steering mechanism is used, for a stable vision under any circumstances. The modularity enables the user to exchange repair parts of the Epi-C® directly on site. No more down time due to repair services of the manufacturer.



Optic Length Compensator & Micro-Endoscope

Fiber optic: outer diameter 0,77 mm, 10.000 pixels, 120° viewing angle



Modular Ocular



Optic Protection Tube



Non-Sterile Area, Reusable Optical System <

Disposable Endoscopic Catheter (2,65 mm / 8 F)

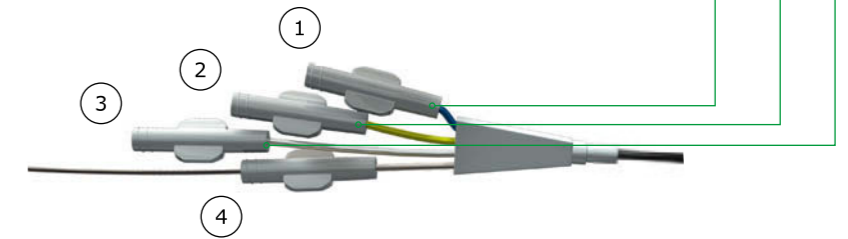
The flexible catheter of the Epi-C® with only 2,65 mm / 8F diameter has a length of 30 cm. It includes the steering mechanism, one working channel with a diameter of 1,20 mm / 3,50 F, which can be used for various tools like guide wires and laser probes, and a separate channel for light transporting fibers.

Steerable Tip (min. 100°)

Even with inserted instruments, the Epi-C® can be bent up to 100°. The torsion resistance of the catheter enables the rotation to reach every location. The tip is softly rounded for gentle access into narrow spaces.

Working Channels:

All working channels are flexible for easy insertion. They are color-coded for simple and safe identification and equipped with Luer-Lock, allowing easy connection to all regularly used instruments or tubes.



1. Channel for Optical Fibers, closed by diamond lens
2. Channel for Light Fibers (fixed)
3. Working Channel for flushing and using small instruments (1,20 mm / 3,50 F.)
4. Channel for Steering Mechanism



> Sterile Area, Disposable Endoscopic Catheter