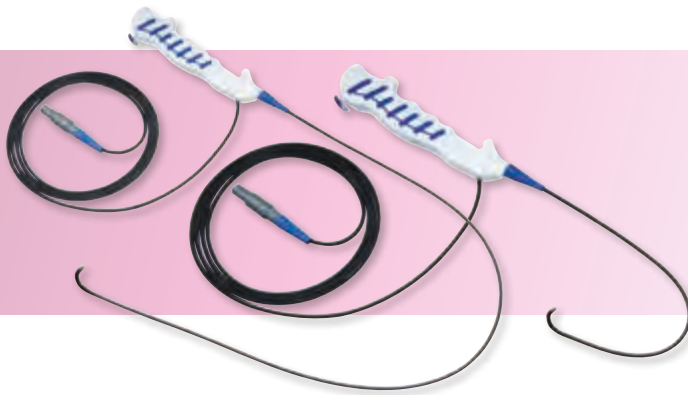


## Flexible Single-use Video Endoscopes

Sterile, fast and versatile



**Sterile**

**Versatile**

**Ready for immediate use**

**Very good image quality**

**Easy handling**

**High mobility**

**Ergonomic design**

**Straightforward  
documentation**



## Benefits of flexible single-use video endoscopes



### **Sterile**

The highest hygienic standards thanks to products that are always sterile, reducing the risk of infection through pathogens.



### **Versatile**

Available in two different lengths, single-use video endoscopes can be used in many ENT applications such as, for example, standard examinations, swallowing diagnostics or TNE examinations.



### **Ready for immediate use**

Single-use video endoscopes are sterile on delivery and are therefore ready for immediate use at any time.



### **Very good image quality**

KARL STORZ also makes no compromises in the field of single-use products as far as image quality is concerned. Powerful LED illumination provides very good resolution and excellent lighting conditions.



### **Easy handling**

The flexible single-use video endoscopes are easy to use. Buttons on the monitor can be used to control video and image capture.



### **High mobility**

In combination with the C-MAC® 8403 ZX Monitor and the E-Box, the flexible single-use video endoscopes provide the ideal basis for mobile use.



### **Ergonomic design**

The ergonomic handle design makes the flexible single-use video endoscopes convenient to use.



### **Straightforward documentation**

The monitor allows the patient to become actively involved during an examination. Furthermore, the C-MAC® 8403 ZX or C-HUB® II makes the documentation of videos and images possible.



## Fields of Application

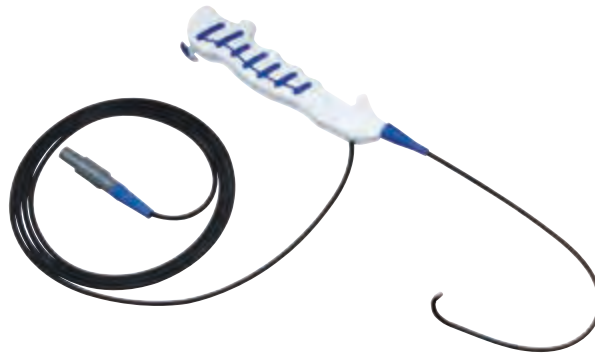
Both single-use video endoscopes can be used for various ENT applications. The flexible single-use video rhino-laryngoscope (length 30 cm) can be used for, e.g., laryngoscopy and pharyngoscopy as well as swallowing examinations. The single-use video esophagoscope (working length 75 cm) is also inserted transnasally and allows endoscopic examination of the esophagus as far as the stomach. In conjunction with the E-Box and its integrated camera control unit, both single-use video endoscopes provide a compact solution. Combined with the lightweight C-MAC® Monitor 8403 ZX or C-HUB® II, they provide a mobile and convenient solution for the hospital, the doctor's office, centers for dysphagia and reflux examinations or outpatient care.

## Why single-use?

There have been considerable changes on many markets due to new hygiene directives and legal regulations. KARL STORZ offers flexible single-use video endoscopes to meet these challenges at an early stage and to optimally respond to changing customer demands.

- **Single-use products significantly reduce the risk of infection through pathogens. Single-use video endoscopes are thus suitable for use on highly infectious or immunocompromised patients.**
- **The products are already sterile on delivery and thus provide an ideal solution for clinics and practices where flexible endoscopes can only be reprocessed at great cost and inconvenience or where flexible endoscopes are seldom used.**
- **In the case of a defective reusable endoscope or in bottleneck situations, single-use video endoscopes are available for immediate use as a replacement.**
- **Less work for clinics**
  - **No cleaning of products necessary**
  - **Easy disposal**
- **Highly economical thanks to the combination of reusable and single-use components**

## Overview of the new flexible single-use video endoscopes



STERILE 

091330-06\* **Video Rhino-Laryngoscope**, sterile, for single use, package of 6, for use with E-Box TP 010, direction of view 0°, angle of view 90°, working length 30 cm, outer diameter 3.5 mm, deflection up/down 140°/140°



STERILE 

091370-06\* **Video Esophagoscope**, sterile, for single use, package of 6, for use with E-Box TP 010, direction of view 0°, angle of view 90°, working length 75 cm, outer diameter 3.5 mm, deflection up/down 210°/140°



TP 010 **E-Box**, for flexible video endoscopes for single use, compatible with C-MAC® Monitor 8403 ZX and C-HUB® II 20290320

## C-MAC® Monitor

### for the connection of flexible single-use video endoscopes

The C-MAC® Monitor (8403 ZX) enables mobile and flexible use in the field of ENT. The dual port allows, for example, a reusable video rhino-laryngoscope and a single-use video to be simultaneously connected to the C-MAC® monitor.



- Two video endoscopes can be connected simultaneously (dual video endoscope input)
- High resolution and high-contrast image playback
- Documentation with SD memory card (max. 32 GB) and subsequent data storage on a USB memory stick
- System is open to all C-MAC® components (forward and backward compatibility)
- Rapid toggling between video sources
- Monitor has an operating time of 2 h and can be powered up and used at the same time
- HDMI output for connecting an external monitor

8403 ZXK **C-MAC® Monitor for CMOS Endoscopes, Set**, screen size 7" with 1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port, optimized user interface, video and image capture in real time on SD card, playback of recorded video clips and still images, data transfer from SD card to USB flash drive possible, splash-proof according to IP54, suitable for wipe disinfection, shock-resistant ABS plastic housing, intelligent power management with rechargeable Li-ion batteries, VESA 75 mounting option, power adaptor for EU, UK, USA and Australia, power supply 110-240 VAC, 50/60 Hz, for use with CMOS video endoscopes

including:

**SD Card ULTRA**, 16 GB

**Protection Cap**

**VESA 75 Quick Clip**

**Mains Adaptor Set**

## C-HUB® II

### for the connection of flexible single-use video endoscopes

- USB output enables connection to a PC, laptop or Mac
- S-Video/HDMI outputs enable connection to an external monitor, video printer or documentation unit
- An office computer can be used for archiving and for image or video transfers



**20290301 C-HUB® II Camera Control Unit**, for use with C-CAM® Camera Head **20290132**, Electronic Module 8402 X, C-MAC® Connecting Cable 8403 X or compatible CMOS video endoscopes, interfaces: USB 2.0, S-Video output (NTSC), HDMI output, power socket including:

**C-HUB® Power Supply**

**S-Video(Y/C) Connecting Cable**

**USB Connecting Cable**

**Video Editor**

**It is recommended to check the suitability of the product for the intended procedure prior to use.**



THE DIAMOND STANDARD

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