

LUCIO® System

Product Overview

LUCIO® System is an innovative medical device based on proprietary technology. It combines a compact HD video cystoscope — 3.7 mm in diameter, with a 38 cm working length — with a single-use sterile sheath featuring an integrated working channel, allowing both diagnostic and operative procedures to be performed. The system raises quality and safety standards for operators and patients alike, while simplifying the clinical workflow.

The system consists of:

1. Cover URO® GYU01C — sterile sheath with working channel

- Sterile protective sheath with working channel, used as a barrier during cystoscopy procedures. Developed and manufactured specifically for use with the CS-3700U-HD video cystoscope.
- Self-lubricating medical-grade PVC, with an average wall thickness of 0.07–0.08 mm.
- 2 mm medical-grade PVC working channel: a robust, fluid-tight tube running the entire length of the sheath, allowing irrigation, aspiration of fluids and the passage of accessory devices.
- Supplied complete with a 90 cm camera cable cover and an introduction tube that facilitates insertion and removal.
- Viral and bacterial barrier integrity verified by barrier testing.
- Lock/unlock connector, ensuring a secure, precise and leak-tight fit.

2. CS-3700U-HD video cystoscope

- **Native resolution:** HD 1280 x 720p
- **Shaft and distal lens diameter:** 3.7 mm (consistent along the shaft)
- **Articulation:** up 240° (+10%); down 140° (±10%)
- **Direction of view:** 0°
- **Field of view:** 130°
- **Depth of field:** 3 – 100 mm
- **Light source:** LED, 170 lumens (30,000 h guaranteed)
- **Working length:** 38 cm
- **Total length:** 63 cm
- **USB cable length:** 290 cm
- **System weight:** 285 g
- **Output format:** MJPG
- **Image processing:** automatic gamma, hue, saturation, sharpness and automatic white balance
- No external video processor or light source required.
- Compatible with Windows and Android operating systems, interfacing with Android smartphones and tablets, medical monitors and Windows PCs, with video and still-image recording capability.

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