

PRODUCT BRIEF

Steerable video borescopes with integrated illumination

Introduction:

This is the smallest size and highest resolution steerable video borescope construct on the market. Novel steerable architecture allows large steering angles with no pull wires.

The iShot® Inflection scope can be single-use to meet the medical industry's shift towards single-use instruments as they save costs by eliminating the need for reprocessing and require less capital investment. This leads to increased productivity, reduced risk of cross-contamination, and improved turnaround times.

At the same time the iShot® Inflection Video Borescope can be durable enough to withstand multiple sterilization or reprocessing cycles, enabling its use as a reusable instrument.

The iShot® Inflection Video Borescope is compatible with the state-of-the-art controller/processor/recorder unit, the iShot® Inflection Video Borescope Tablet (ENA-10660-AS), making it compliant with standard medical electrical and mechanical safety requirements.

Built with medical grade materials, it is designed to meet medical packaging, transportation, and sterilization standards such as ASTM D4169, ASTM D4332, ISO-10993-1, ISO-10993-5, and ISO-10993-10.



Product Features:

- Highly durable, flexible, and steerable full-metal shafts with no pull wires, allow for up to 280 deg bidirectional steerability
- 1-to-1 torque-ability allows for full 360 deg viewing
- As small as 1.05mm (0.041") OD
- Working channel of variable ID can also be incorporated (upon request)
- Three different handle designs can be further customized to your specific needs.
- Three different digital sensor models supported with up to 120° FOV in air for all sensor models
- 2mm - ∞ working distance
- IPX7 rating for shaft, IPX4 for handle, up to IPX68 for electrical connector
- Up to 1MP video output when used with Visualyze® video processing hardware
- Highly engineered patient-contact shafts can be customized with variable flexibility along their length
- Disposable and reusable designs available
- Customizable stiffness and diameter scope shafts
- Complies with ASTM D4169, ASTM D4332, ISO-10993-1, -5, and -10 standards
- Integrated illumination with fibers or LEDs at the distal tip and programmable handle buttons (upon request)