

Cystoscope System

See the Difference, Feel the Precision

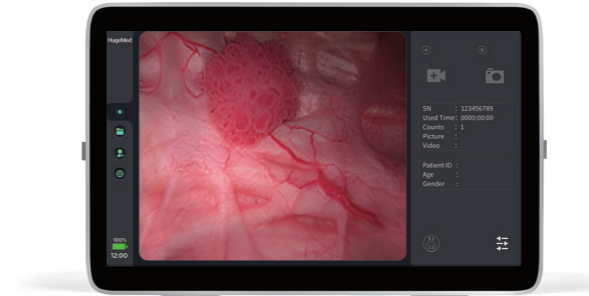
Advanced high-definition single-use cystoscopy—delivering superior visualization and enhanced patient comfort during examination.



**FDA 510(K) Cleared
K231118**

Image Processor

Image processing, display and recording



Specification

| Model | M5-8 |
|--------------------|--|
| Dimension | 386.4 (h) x 253.6 (w) x 38.5 (d) mm |
| Weight | 2.7 kg |
| Display size | 15.6 inches |
| Display resolution | 1080P(1920*1080)px |
| Display type | TFT-LCD, touch screen |
| Function | Dual view, Brightness control, Contrast control, Using time calculator, etc. |
| Working time | Continuous working time ≤5 h |
| Memory capacity | Built-in SD card standard 64 GB |

Single-use Cystoscope

Good maneuverability

Specification

| Model | CY-M40H | CY-M52H |
|-----------------------|----------|----------|
| Outer diameter | 12.0FR | 15.0FR |
| Working channel | 3.6FR | 6.6FR |
| Up/down bending angle | 210/210° | 210/210° |
| View Depth | 120° | 120° |
| Working length | 350 mm | 350 mm |

Order Information

Product

| Product | Item Code |
|------------------------------|---|
| Single-use Cystoscope | |
| CY-M40H | Anti-logic Deflection Logic Deflection 2017B-PA015 2017B-PA026 |
| CY-M52H | Anti-logic Deflection Logic Deflection 2017B-PA014 2017B-PA025 |
| Image Processor | |
| M5-8 | 2288B-PA003 |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



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Suction for All Models

Remove small tissue samples or debris from the bladder; Remove the fluids such as urine or irrigation fluid which accumulate in the bladder, resume the operational view that is affected by the blood diffusion



Enhanced Flow Control Precision

The three-way valve allows precise regulation of irrigation, drainage, and instrument access during procedures. This ensures optimal visualization and reduces the risk of overdistension or trauma to the bladder.



Insertion Tube Rotation

Optional extra rotation knob at the bottom of the cystoscope handle, providing higher maneuverability for surgeons during the procedures.



Enhanced Bending Section Design

210° up and down bending angle proves sufficient Angle of viewing the trigone.

HugeMed™ Cystoscope System

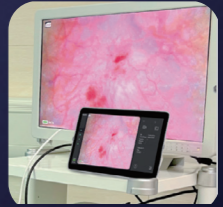
Two Customizable Buttons

Two in-scope buttons that can be customized with different functions, such as white balance and image recording.



High Image Quality

Combining a high-resolution camera chip in the cystoscope and the full-HD HugeMed Image Processor delivers a superior image.



Higher Portability

Compatible with HugeMed's MS-8 image processor, with its light and compact design, it is especially convenient for out-patient department and ICU daily examination.



Single-use

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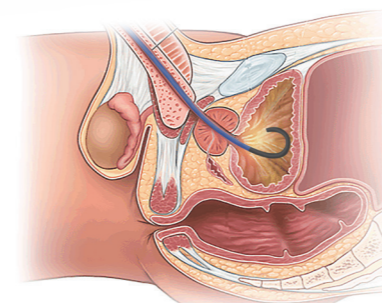
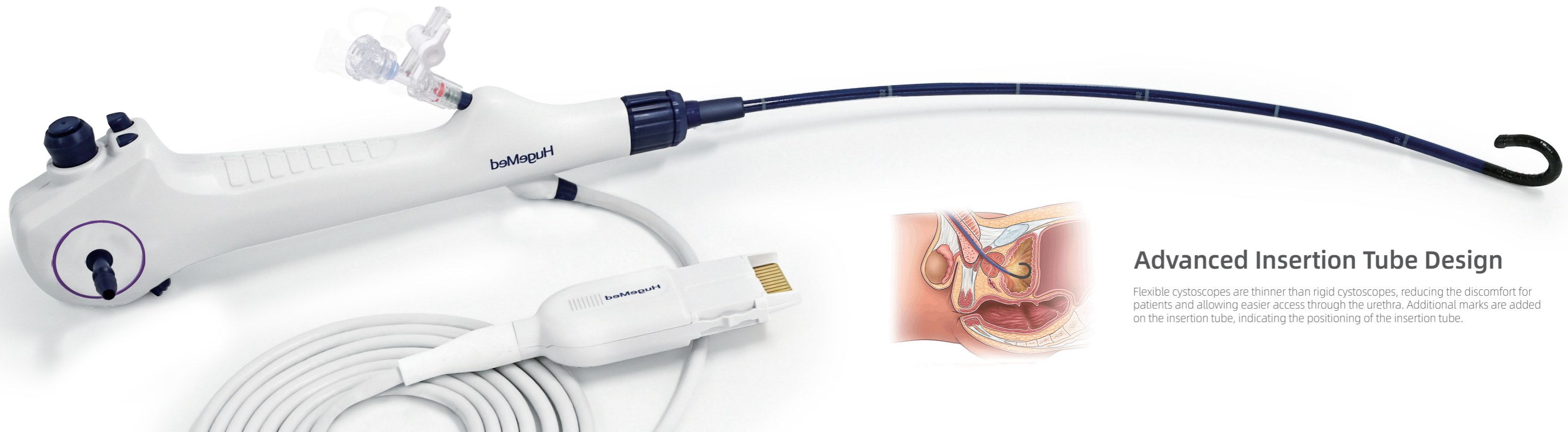
Portable



Cost-effective



Always Ready To Go



Advanced Insertion Tube Design

Flexible cystoscopes are thinner than rigid cystoscopes, reducing the discomfort for patients and allowing easier access through the urethra. Additional marks are added on the insertion tube, indicating the positioning of the insertion tube.

Specification / Datasheet

Safety

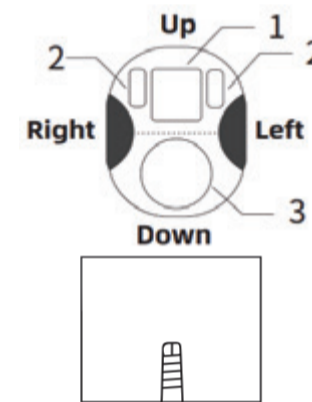
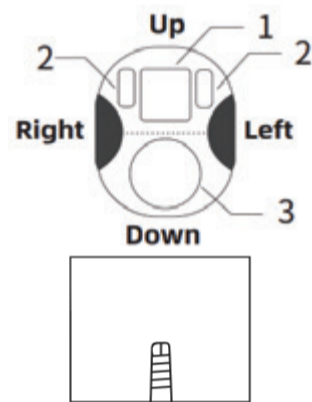
Standard Class II, 21CFR 876.1500 / Endoscope and Accessories / FAJ

Single-Use Cystoscope

| | | | | |
|-----------------------------------|---|------------------|-----------------------|------------------|
| Model | CY-M40H | CY-M52H | | |
| Item No. | 2017B-PA015 | 2017B-PA026 | 2017B-PA014 | 2017B-PA025 |
| Type | Anti-logic Deflection | Logic Deflection | Anti-logic Deflection | Logic Deflection |
| Image Sensor | CMOS (Complementary Metal Oxide Semiconductor) Chip-on-Tip | | | |
| Field of View | 120°±15% | 120°±15% | | |
| Direction of View | 0°±10° | 0°±10° | | |
| Depth of Field | 3-50 mm | 3-50 mm | | |
| Insertion Tube Outer Diameter | 12 Fr | 15 Fr | | |
| Maximum Size of Insertion Portion | 13.2 Fr | 15.6 Fr | | |
| Working Channel Inner Diameter | 3.6 Fr | 6.6 Fr | | |
| Bending Angle (Up/Down) | 210° / 210° | 210° / 210° | | |
| Working Length | 350mm±10% | 350mm±10% | | |
| Total Length | 605mm | 605mm | | |
| Weight | ≤ 0.28 kg | ≤ 0.28 kg | | |
| Control Button | Two Buttons (Photo & Video & Freeze & White Balance & Zoom & Disable) | | | |

Enlarged View of the Distal End

1. CMOS Sensor
2. LED Light Source
3. Instrument Channel Outlet



Instrument Channel
(direction from which instruments enter and exit the image)

Image Processor

| | |
|----------------|--|
| Model | MS-8 |
| Operating | Temperature: 5°C-40 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 30%-80%. |
| Storage | Temperature: -10°C-45 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 30%-80%. |
| Transportation | Temperature: -20°C-50 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 20%-90%. |

Physical Specification

| | |
|------------|-------------------------------------|
| Dimensions | 386.4 (h) x 253.6 (w) x 38.5 (d) mm |
| Weight | 2.7 kg |

| | |
|----------------------|---|
| Display | 15.6 inches |
| Display Size | 15.6 inches |
| Aspect Ratio | 16:9 |
| Display Resolution | 1920*1080 px FHD |
| Display Type | Color TFT-LCD with touch screen |
| Dual Scope Display | Automatically activated when two scopes are simultaneously connected to MS-8. Scope A (USB-C port) Scope B (Edge Connector port) |
| Display Rotation | Supported |
| Function of Settings | Scope Button Configuration: Button A/B: White Balance, Zoom In/Out, Snapshot, Video Recording, Freeze, Disabled |
| Image Adjustment | LED Level / Sharpness / Color Tone / Contrast |
| Language | Simplified Chinese, English, French, German, Spanish, Portuguese, Norwegian, Swedish, Finnish, Italian, Russian, Traditional Chinese, Japanese, Persian, Romanian, Korean, etc. |
| Pre-Recording | Patient Information Management - Enabled/Disabled |



| | |
|--------------|--|
| Laser Filter | Insufficient laser fiber protrusion warning - Enabled/Disabled Image quality improvement by reducing laser interference- Enabled/Disabled |
|--------------|--|

Connectivity

Cystoscope System



Specification / Datasheet

| | |
|---------------------------------|---|
| USB I (USB-A) | Data transfer & system upgrades Keyboard & Mouse Printer Barcode scanner |
| VL Port (USB-C) | For connection with endoscopes supporting USB-C cables |
| Endoscope Port (Edge Connector) | For connection with endoscopes supporting edge connector cables |
| DC | Power supply |
| USB II (USB-A) | For developers only |
| HDMI | High-definition multimedia interface (HDMI) port, for connection with external monitors |
| SDI | Serial digital interface (SDI) port, for connection with external monitors |
| DVI | Digital visual interface (DVI) port, for connection with external monitors |
| Output Resolution | 1920*1080 px FHD (Max) |
| Recording Function | |
| Recording Format | JPG/Bmp for snapshots; MP4 for videos(Low/Medium/High) |
| Memory Capacity | Built-in SD card, standard 64 GB |
| Audio Recording | Supported |
| File & Folder Renaming | Supported |
| Case Templates | Supported |
| Power Supply | |
| Power Adapter Input | AC 100-240V 50/60Hz, 1.5A Max (Battery charger) |
| Battery | Rechargeable lithium battery, DC 7.4V, 9500 mAh |
| Continuous Working Time* | Maximum 5 hours *The battery needs to be replaced if the working time is less than 30 minutes. |
| Mounting Interface | |
| Mounting Interface Standard | VESA MIS-D 100/75, C compliant displays with mounting interface |
| Cleaning and Disinfection | Note: Do not pour any liquid into MS-8 or immerse it in any liquid. |
| Recommended Cleaning Method | It is recommended to wipe MS-8 with water mixed with detergents or enzyme solutions for cleaning. |
| Recommended Disinfection Method | It is recommended to wipe MS-8 with 75% medical alcohol for disinfection. |

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