The ENDOCAPSULE 10 SYSTEM reflects our vast experience in opto-digital technology for endoscopes. This small-intestine endoscope system produces extremely high-quality images for fast, efficient, and precise examinations that you can trust — the ideal solution for medical institutions looking to expand diagnostic capabilities in this critical field.

Olympus endoscopic imaging technology makes diagnosis easier than ever thanks to high-quality images along with excellent usability and efficiency, all of which are hallmarks of our continually evolving advancements in the field of endoscopy.

**Smart Algorithm – Omni Mode Accelerates Reading**

Save up to 64% time*

Cut reading time drastically while seeing everything of importance for the diagnosis. Out of thousands of images only those that are most relevant for your diagnosis are displayed. This helps to save up to 64% time during your reading process without compromising the diagnostic result.


**Safe Detection – Excellent Reading Reliability**

Detection

Normal Mode

Omni Mode

Precise reading results with high confidence. Omni Mode ensures every displayed area is shown, yet without duplication. It reliably differentiates between minute changes and whether only the angle of depiction has shifted. This supports a safe detection process.

Olympus’ trusted opto-digital technology results in improved high-quality images and a wide angle of view for accurate observations and diagnosis.

**Trusted Visualization for Detailed Observations**

Feature-rich and highly intuitive, Olympus software is the advanced solution for fast, efficient analysis of small-intestine examinations.

**Trusted Efficiency for Stable Operations**

Trust Olympus to fully support you and your patients through a new all-in-one recorder, a more convenient antenna, and functional reporting features.

**Trusted Usability for Streamlined Workflows**
HIGH-QUALITY IMAGES FOR GREATER DETAIL

Trusted Visualization for Detailed Observations

As the undisputed leader in the field of endoscopy, Olympus is renowned for exceptionally high-quality images. This translates into easier analysis for more reliable and consistent diagnosis than ever before. You will also appreciate the expanded angle of view, which makes it less likely to miss abnormalities.

High-Quality Images
Advanced Olympus optical technology delivers high-quality images that reveal individual villi with superb clarity. Noise has been markedly reduced along with halation, optimizing brightness levels for the detailed observation of small-intestine mucosa and the identification of abnormalities. The clear visual information facilitates highly accurate diagnosis.

Observable Findings
- Normal
- Angioma (no bleeding)
- Angioma (bleeding)
- Multiple inflammations with Crohn disease stenosis

Less Noise
- Previous model
- EC-S10

Less Halation
- Previous model
- EC-S10

Wide Angle of View
Another advancement made possible by renowned Olympus optical technology is the expanded angle of view: 160° as opposed to 145° on the previous model. This wider coverage offers a significantly enhanced field of observation for refined examinations.

EC-S10

Longer Observation Time
Battery life has been extended from eight hours to twelve hours to considerably increase the proportion of completed small-intestine observations. The long observation time maximizes the detection rate of lesions for more reliable diagnosis.

Image Adjustment Function
Eight user-selectable sharpness settings let you optimize image enhancement in order to observe tiny mucosal architecture clearly. You can also adjust color tone (red/blue) and brightness levels for more comfortable viewing in the color of your choice.

Structure Enhancement
- Level 1
- Level 2
- Level 3

Color Tone
- Red 0 / Blue 0
- Red 3 / Blue 3
- Red 6 / Blue 6

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ENDOCAPSULE 10 SYSTEM software facilitates reading with a variety of unique functions to detect images requiring closer inspection, providing the means for the fast reviewing of results to ultimately speed up diagnosis.

**3D Track Function**
Track the capsule as it moves through the small intestine with the 3D Track function. A high-precision antenna recognizes the detailed signals from the capsule, allowing the system to display the capsule track in 3D. The track progress bar is useful for estimating capsule location in the small intestine. It also indicates on the 3D tracking screen where each thumbnail image was captured in order to assess the locations of abnormalities. The 3D Track function operates intuitively, showing capsule location to help you decide what approach should be taken for subsequent procedures.

**Overview Function**
This function displays a library of characteristic images. The new Adjacent image display and Enlarging image functions provide a quick way for further observation without having to switch to Playback view mode. In addition, the new Red color overview function gives you a quick overview only of images showing an excessive amount of red.

**Red Color Detection**
The new Red Color Detection is designed to identify individual images that are suspected of containing an active bleed, angioectasia, red spots, ulcers or erosions. It includes a 3 level adjustment option which allows the user to select the balance between sensitivity and specificity. Performance of the Red Color Detection, including the sensitivity and/or the specificity at each level, is improved when compared to previous versions of the software. The detection performance for active bleeds at each level achieves 100%, which has been verified in the internal bench testing.

**Bubble and Debris Image Detection Algorithm**
Bubbles and debris can sometimes adhere to the capsule and degrade image quality. The ENDOCAPSULE 10 SYSTEM automatically detects poor-quality images and displays only those that can be accurately read. This algorithm also enhances the performance of Adjust mode and the Overview function.

**Adjust Mode**
Change playback speed depending on differences in images. In Adjust mode, images showing no change are superimposed on each other, and review speed is optimized to move quickly past images indicating no characteristic differences compared to preceding images. This mode vastly reduces playback time to increase reading effectiveness.

**Omni -selected Mode**
Images that overlap with previous ones are skipped, and new images are selected even when only minute changes are present. This algorithm can recognize that an image is identical, even when the capsule is displaying the same section of small intestine from a different angle. This intelligent approach helps to speed up diagnosis by analyzing a larger number of attributes than ever before.*

**Red assist mode**
Playback speed slows down at the first image detected by the new Red Color Detection and is automatically adjusted according to the number of successive red lesion images displayed. The fewer the number of red lesions detected, the slower the playback speed will be. During image playback, red color notifications will appear in the corners of each image that has been identified by the Red Color Detection.

Red assist can be used with Normal mode and Omni-selected mode. When Red assist is used with Omni-selected mode, images detected by the Red Color Detection as well as those selected by Omni mode will be displayed.

* Compared to ENDOCAPSULE 10 SYSTEM Express-selected mode
IMPROVED DESIGN FOR MEDICAL STAFF AND PATIENTS

Trusted Usability for Streamlined Workflows

Considering the needs of medical personnel and patients, the ENDOCAPSULE 10 SYSTEM is designed for optimal clinical performance as well as outstanding ease of use and mobility. The all-in-one recorder and belt-style antenna simplify procedures, making for a smooth and relaxed examination environment.

Belt-Style Antenna Unit
Preparation times are markedly reduced thanks to the slim, lightweight antenna unit, which is incorporated in the belt harness. The unit can be worn over light clothing, and offers more sensitive detection capability compared to the previous model while enhancing patient comfort.

Smart Recorder
The recorder combines a receiver and viewer in a compact and easy-to-handle unit, allowing you to play back and capture images any time during the procedure. The recorder is rechargeable, and comes with a charging cradle. Just place the unit in the cradle to recharge.

Real-Time View/Capture
Confirm capsule location during the entire procedure from images displayed in real time. Monitoring the capsule’s progress in real time lets you uncover any anomalies, such as bleeding, and take immediate action if needed.

Playback/Capture
Check images of the small intestine as the capsule passes through it. Images of interest can be captured and then downloaded to a workstation for further review.

Captured Images Screen
Up to 15 captured images can be displayed as thumbnails, making it easy to quickly find suspected anomalies and further speeding up observation procedures.

Patient Guidance Function
Personalized instructions for each patient can be displayed by registering data. Instructions are delivered as text messages preceded by beep and vibration alerts. The messages direct patient activity, such as eating, drinking water, and returning to the hospital. Making it easy for patients to follow correct procedures helps you conduct safer, more accurate examinations.

Lead-Type Antenna
- Options for various body type of patient
- New shape cable with clearance
- Can be soaked into neutral detergent

Guidance Example

0:00  Ingest capsule

0:30  “Please come back to procedure room.”

2:00  “You can drink water from now.”

4:00  “You can take a light meal from now.”

8:00  “Please come back to the hospital.”
During the Procedure

**Simple User Interface**
The latest software generation means you need 30% less interaction with the system to complete the entire procedure.

**Outstanding Image Quality and Maximum Detection**
As you would expect from Olympus, the capsule captures images in outstanding quality, ensuring maximum detection.

**Patient-Friendly Procedure**
The belt-style antenna means patients can go about their normal daily lives. The recorder presents the patient with useful support messages throughout the examination.

**Real-Time Decision-Making**
If necessary, patients can be monitored using the real-time view of the recorder to enable an immediate decision about the follow-on procedure.

**Fast Patient Setup**
The belt-style antenna makes it easy to set the procedure up.

**Quick Patient Data Entry**
Full ENDOBASE compatibility means that you can easily register new patients using your existing Olympus IT solution.

Before the Procedure

**Before the Procedure**

**Plan Follow-on Procedures Effectively**
3D tracking shows the location of the lesion within the small intestine in 3D and lets you plan the optimum approach for follow-on treatment.

**Complete Coverage of the Small Bowel**
A prolonged battery life of a minimum of 12 hours considerably increases the proportion of complete examinations of the small intestine.

**Significantly Reducing Reading Time While Safeguarding Detection**
Omni Mode analyzes a greater number of image attributes compared to previous algorithms, meaning you are only presented with the most important clinical data during reading.

**Secure On-the-Go Reporting**
ENDOCAPSULE SOFTWARE 10 LIGHT means that you can create reports when and where it suits you, without compromising on data security.

**Report Design Exactly Matched to Your Needs**
The reporting of findings is fast and intuitive thanks to customized report design templates. Seamless ENDOBASE integration makes reporting even faster.

**Less Fatigue during Reading**
The 16:9 HDTV software display format means you have more space to examine images and enter your findings into the system.

**Easy Data Analysis**
Intelligent export functions help you to prepare and analyze data for later presentation.

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After the Procedure

**After the Procedure**

**3D tracking area**
**Tracking progress**
**Colors identify anatomical areas**

**Plan Follow-on Procedures Effectively**
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**Secure Network Data Storage**
Procedure data can be easily shared with satellite workstations attached to the hospital network.

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**System Integration**
The workstation of the ENDOCAPSULE 10 SYSTEM integrates easily into existing hospital information systems for fast and easy data sharing. All examination data for patients – including results from ENDOCAPSULE – can be managed centrally, making collaboration inside the facility easier. 

**Note:** Network performance may vary depending on the network environment.

**Hospital-Wide Network**

- **Olympus Documentation System**
- **Network Storage**
- **EC-10 Workstation (online)**
- **ECSL (online)**
- **ECSL outside hospital (off-network)**

*Note: Olympus Documentation System is not available in some regions.*

**ENDOCAPSULE SOFTWARE 10 LIGHT**
For added convenience, ENDOCAPSULE SOFTWARE 10 LIGHT gives you the ability to continue post-examination procedures even without direct access to the hospital network.

**ENDOCAPSULE Atlas**
Select ENDOCAPSULE Atlas from the menu to automatically open the ENDOCAPSULE Atlas website.

This gives you one-click access to a library of clinical data regarding capsule endoscopy to assist in observation in small-intestine diseases.

*Note: Access to ENDOCAPSULE Atlas varies depending on the security policy of your network.*
**Specifications**

### ENDOCAPSULE Small Intestinal Capsule

**Endoscope Set: MAJ-2027**

<table>
<thead>
<tr>
<th>Components</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. ENDOCAPSULE Recorder: Olympus RE-10</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>2. Battery Pack: MAJ-2030</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>3. Antenna Unit: MAJ-2031</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>4. Recorder Holder: MAJ-2033</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>5. Cradle: MAJ-2032</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>6. Antenna Unit Holder: MAJ-2034</strong></td>
<td>1 piece</td>
</tr>
<tr>
<td><strong>7. Capsule Activator: MAJ-1478</strong></td>
<td>2 pieces</td>
</tr>
</tbody>
</table>

### ENDOCAPSULE Recorder: Olympus RE-10

**Battery Life**

- Typ.: 12 hours

**Size**

- Weight: 220 g
- Dimensions: 87 mm × 154 mm × 33 mm (W/H/D)

**LCD Display Size**

- 3.5 inches

**Battery Pack: MAJ-2030**

- Type: Lithium-ion storage cell
- Capacity: 2860 mAh
- Voltage: 3.7 V
- Recharging Time: Approx. 2 hours

**Size**

- Weight: 70 g
- Dimensions: 70 mm × 10 mm × 55 mm (without projection parts)

**Antenna Unit: MAJ-2031**

- Weight: 150 g
- Dimensions: 87 mm × 51 mm × 15 mm (without projection parts)

**Recorder Holder: MAJ-2033**

- Weight: 110 g (incl. strap)
- Dimensions: 100 mm × 175 mm × 45 mm (Pouch)

**LEAD ANTENNA UNIT: MAJ-2294**

- Weight: 200 g
- Dimensions: 87 mm × 51 mm × 15 mm (without projection parts)

The number of antennas: 8

### ENDOCAPSULE Recorder Set: MAJ-2029

**Components**

- **1. ENDOCAPSULE Recorder: Olympus RE-10**
- **2. Battery Pack: MAJ-2030**
- **3. Antenna Unit: MAJ-2031**
- **4. Recorder Holder: MAJ-2033**
- **5. Cradle: MAJ-2032**
- **6. Antenna Unit Holder: MAJ-2034**
- **7. Capsule Activator: MAJ-1478**

### ENDOCAPSULE Small Intestinal Capsule

**Endoscope: Olympus EC-S10**

**Optics**

- Field of view: 160 degrees
- Depth of field: 0–20 mm

**Sampling Rate**

- 2 fps

**Battery Life**

- 12 hours

**Size**

- Weight: 3.3 g
- Dimensions: Ø 11 mm (diameter) × 26 mm (length)

### Note: EC-S10 is not sold as a single product but as MAJ-2027

**ENDOCAPSULE SOFTWARE 10 LIGHT: MAJ-2189**

- Components:
  - ENDOCAPSULE SOFTWARE 10 LIGHT (DVD-R) 1 piece

### LEAD ANTENNA UNIT: MAJ-2294

**Size**

- Weight: 200 g
- Dimensions: 87 mm × 51 mm × 15 mm (without projection parts)

The number of antennas: 8

**ENDOCAPSULE SOFTWARE 10: MAJ-2188**

- Components:
  - ENDOCAPSULE SOFTWARE 10 (DVD-R) 1 piece

**ENDOCAPSULE SOFTWARE 10 LIGHT: MAJ-2189**

- Components:
  - ENDOCAPSULE SOFTWARE 10 LIGHT (DVD-R) 1 piece

**ANTENNA LEAD COVER: MAJ-1470**

- Components:
  - Quantity: 50 sheets / box

**Dimensions (W/H) 92 mm × 66 mm**

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