

ENDOCAPSULE 10 SYSTEM

More than a Capsule. A Comprehensive System for Capsule Endoscopy.



TRUSTED. REVOLUTIONARY. AND DECIDEDLY OLYMPUS. A COMPREHENSIVE SYSTEM FOR CAPSULE ENDOSCOPY.

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.

ENDOCAPSULE 10 SYSTEM. More Than a Capsule. A Comprehensive System You Can Trust.

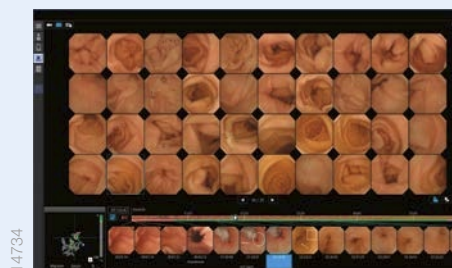


Trusted Visualisation
for Detailed Observations



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

Trusted Efficiency
for Stable Operations



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

Trusted Usability
for Streamlined Workflows



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

A DIFFERENCE YOU CAN IMMEDIATELY SEE.
CRISP, CLEAR IMAGES SUPPORT ACCURATE DIAGNOSIS.

Trusted Visualisation
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 before. You will also appreciate the expanded angle of view, which makes it less likely to miss abnormalities.



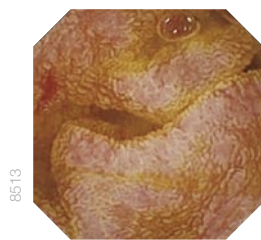
High-Quality Images

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 detailed observation of small-intestine mucosa and identification of abnormalities. The clear visual information facilitates highly accurate diagnosis.

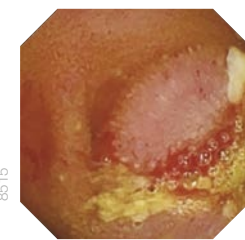
Normal



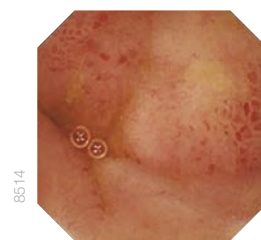
Observable Symptoms



Angioma
(no bleeding)

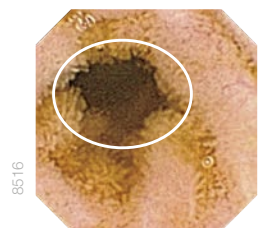


Angioma
(bleeding)



Multiple inflammations with
Crohn disease stenosis

Less Noise



Previous model



EC-S10

Less Halation



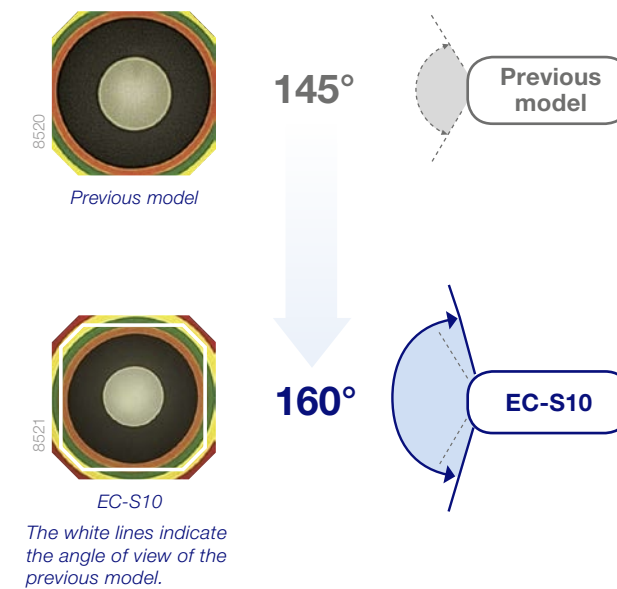
Previous model



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.



Longer Observation Time

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

8 h Previous model

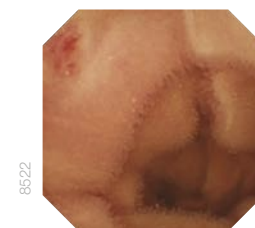
12 h EC-S10

50% longer observation

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.

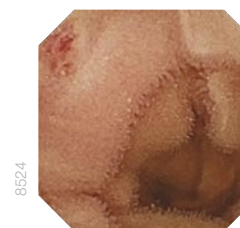
Structure Enhancement



Level 1

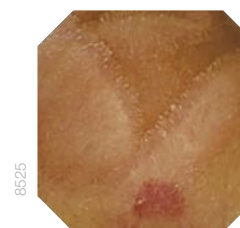


Level 3

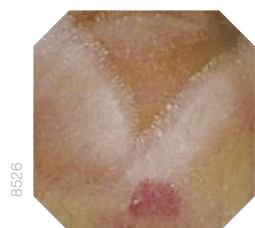


Level 8

Color Tone



Red 0 / Blue 0

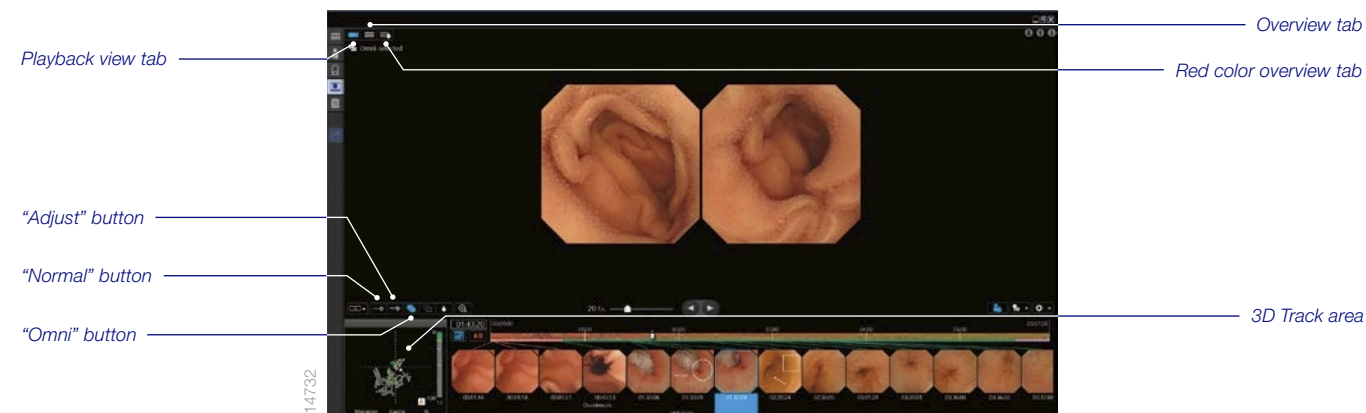


Red -3 / Blue +3

AN ABSOLUTE TIME-SAVER. INTELLIGENT READING FUNCTIONS SIMPLIFY ANALYSIS.

Trusted Efficiency for Stable Operations

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



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

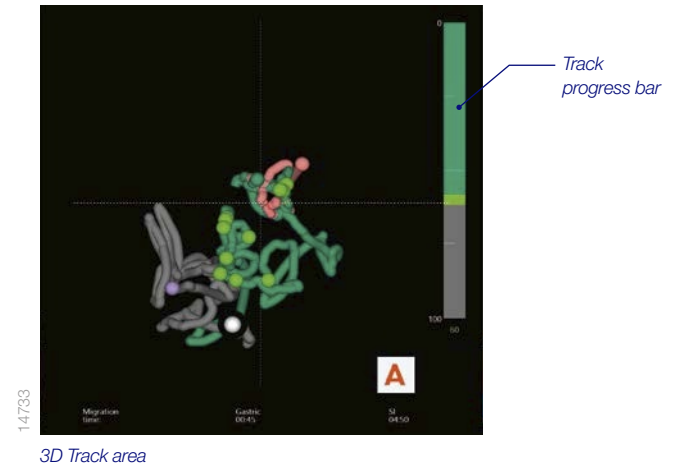
Images that overlap with previous ones are skipped, and new images are selected even when only minute changes are present. This algorithm can recognize that an image is similar, even when the capsule is displaying the same section of small intestine from a different angle. This intelligent approach helps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



* Compared to ENDOCAPSULE 10 SYSTEM Express-selected mode

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.

Bubble and Debris Image Detection Algorithm

Bubbles and debris can sometimes adhere to the capsule and degrade image quality. 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.

The diagram compares two image display methods:

- Previous model:** Shows a grid of many small, overlapping images.
 - Adjacent Image Display Function:** Click selected image.
- ENDOCAPSULE 10 SYSTEM with new algorithm:** Shows a grid of fewer, more distinct images.
 - Enlarging Image Function:** Briefly place mouse over an image.

DESIGNED FOR MEDICAL STAFF AND PATIENTS. EXAMINATIONS HAVE NEVER BEEN THIS COMFORTABLE.

Trusted Usability for Streamlined Workflows

Considering the needs of medical personnel and patients, 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.



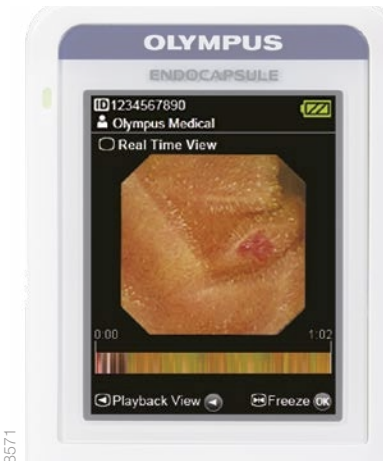
Smart Recorder

The recorder combines a receiver and viewer in a compact and easy-to-handle unit, allowing you to playback 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.



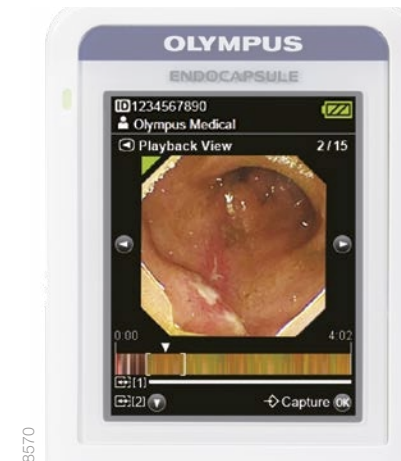
Real-Time View/Capture

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.



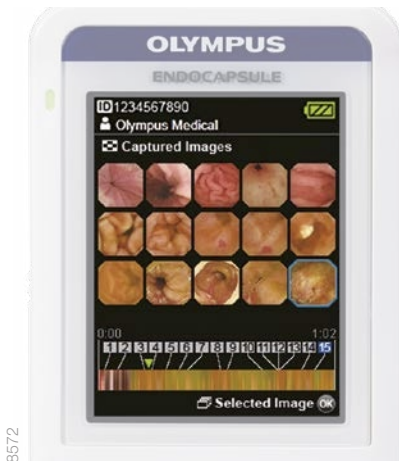
Playback/Capture

Check images of the small intestine as the capsule passes through it. Images of interest can be captured 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 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.



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 Hospital."



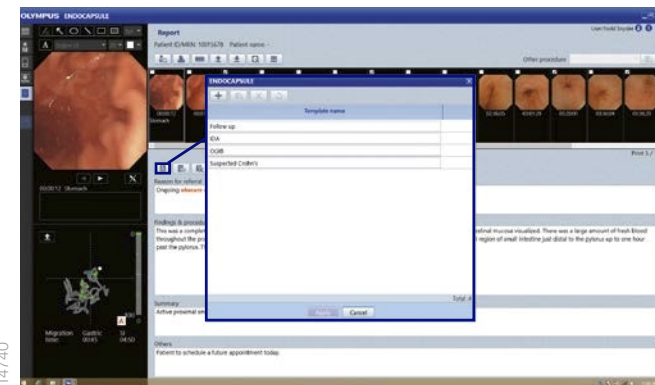
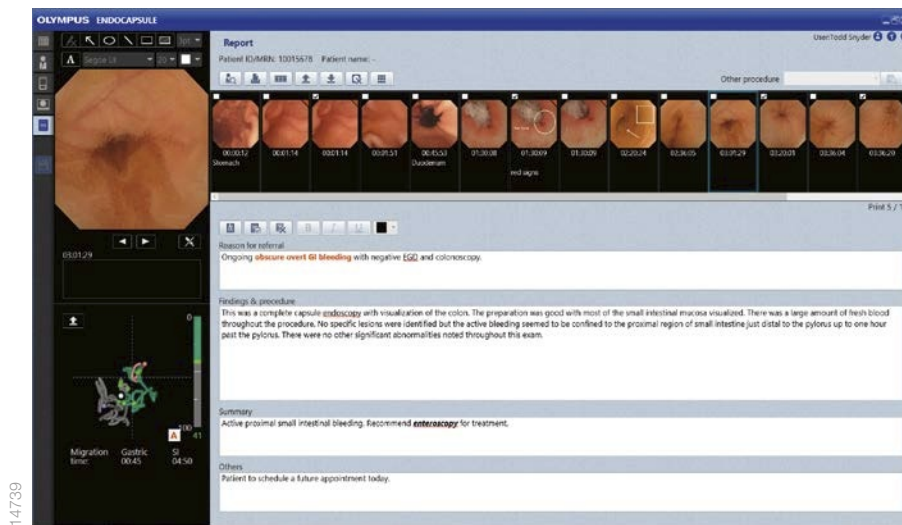
DATA MANAGEMENT MADE EASY. EFFORTLESSLY SHARE RESULTS AND CREATE REPORTS.

Trusted Usability for Streamlined Workflows

ENDOCAPSULE 10 SYSTEM includes several intuitive report templates to further streamline examinations, analysis and diagnosis. Moreover, the system connects seamlessly to existing networks to facilitate sharing of patient information when a consensus diagnosis is desired.

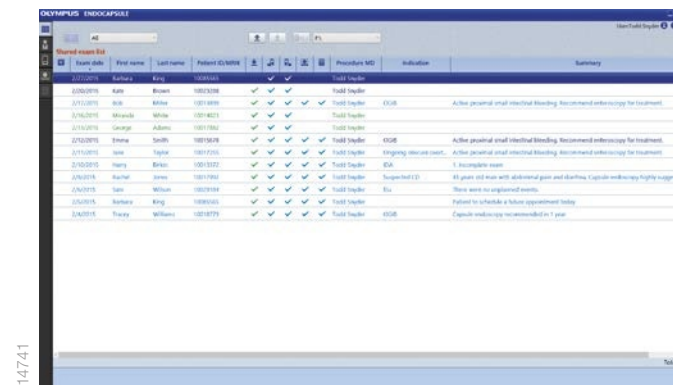
Report

Fast and intuitive reporting of findings is possible. You can view and annotate images without disrupting your workflow. Repetitively used words and phrases can be registered as user dictionary which reduce report-making time.



Report Template

Findings known from previous capsule examinations can be saved as report templates. If your report mentions common diagnosis, eliminate the need to re-type and apply a report template with just a few click.



Examination Data Management

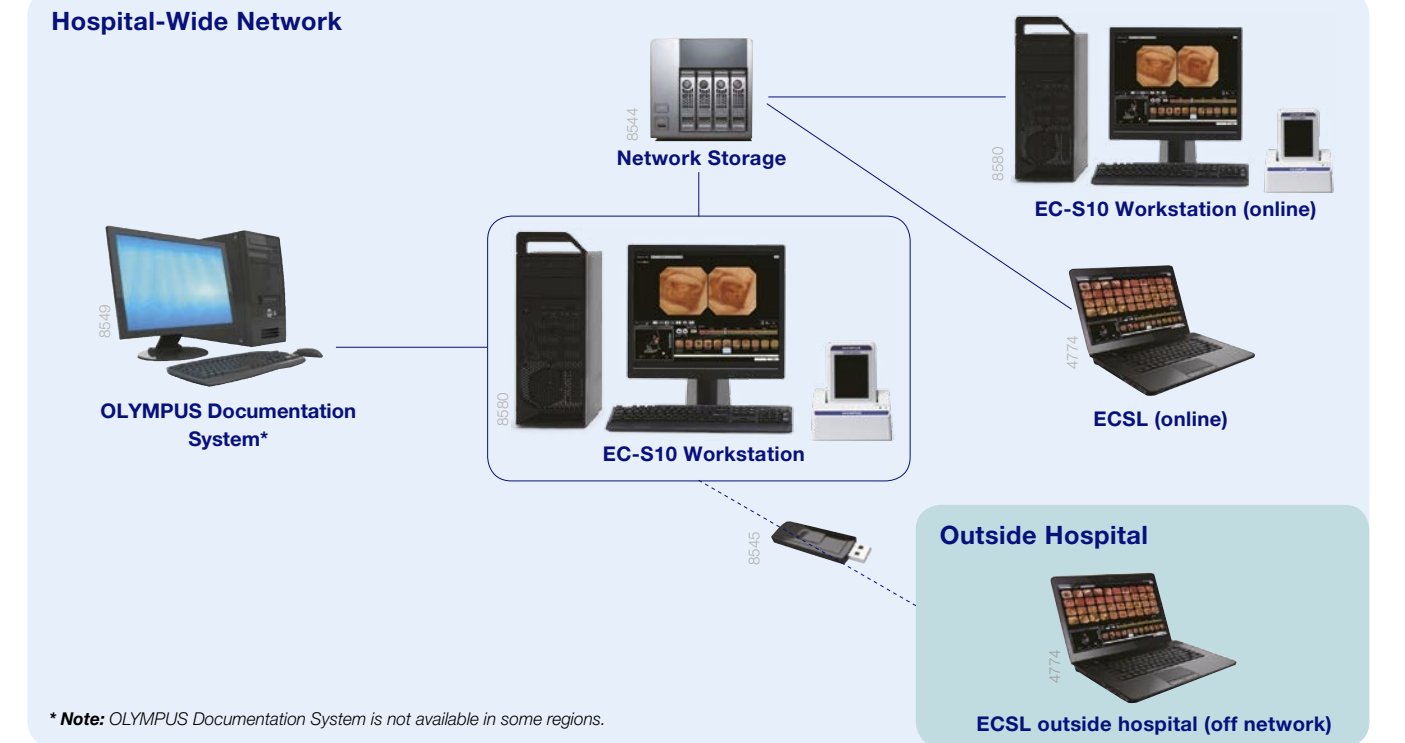
Each phase of a procedure is displayed in an easy-to-read format to visualize at a glance the status of individual examination procedures.

System Integration

The workstation of 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



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.

ENDOCAPSULE 10 SYSTEM

Specifications

ENDOCAPSULE Small Intestinal Capsule Endoscope Set: MAJ-2027



Components	ENDOCAPSULE Small	5 pieces
	Intestinal Capsule	
	Endoscope: OLYMPUS EC-S10	

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 single product but as MAJ-2027

ENDOCAPSULE Recorder Set: MAJ-2029



Components

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

ENDOCAPSULE Recorder: OLYMPUS RE-10

Battery Life	Typ. 12 hours	
Size	Weight	320 g
	Dimensions	87 mm (W) × 154 mm (H) × 33 mm (D)
LCD display size	3.5 inch	

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 (W) × 10 mm (H) × 55 mm (D) (without projection parts)

Antenna Unit: MAJ-2031

Size	Weight	150 g
	Dimensions	87 mm (W) × 51 mm (H) × 15 mm (D) (without projection parts)

Cradle: MAJ-2032

Power supply	DC 6 V/2 A	
Size	Weight	Main body: 315 g
	Dimensions	142 mm (W) × 79 mm (H) × 85 mm (D)

Components Cradle, AC Adapter, AC cable, USB cable

Recorder Holder: MAJ-2033

Size	Weight	110 g (incl. strap)
	Dimensions	Pouch: 100 mm (W) × 175 mm (H) × 45 mm (D)

Antenna Unit Holder: MAJ-2034

Size	Weight	190 g
	Dimensions	Pouch: 340 mm (W) × 160 mm (H) × 15 mm (D) Long belt: 50 mm (W) × 1000 mm (L) Short belt: 50 mm (W) × 700 mm (L)

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

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

OLYMPUS

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