



More than a capsule. A comprehensive system for capsule endoscopy.

Specifications

ENDOCAPSULE SMALL INTESTINAL CAPSULE ENDOSCOPE SET: MAJ-2027



Components	ENDOCAPSULE SMALL INTESTINAL CAPSULE	
	ENDOSCOPE: OLYMPUS EC-S10	5 pieces

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	ø11 mm (diameter) x 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) x 154 mm (H) x 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	70g
	Dimensions	70mm(W)x10mm(H)x55mm(D)(without projection parts)

ANTENNA UNIT: MAJ-2031

Size	Weight	150 g
	Dimensions	87mm(W)x51mm(H)x15mm(D) (without projection parts)

CRADLE: MAJ-2032

Power supply	DC 6 V / 2 A	
Size	Weight	Main body: 315 g
	Dimensions	142 mm (W) x 79 mm (H) x 85 mm (D)
Components	AC Adapter, AC cable, USB cable	

RECORDER HOLDER: MAJ-2033

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

ANTENNA UNIT HOLDER: MAJ-2034

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

SERVER/CLIENT HARDWARE: MAJ-2037

Components	Keyboard, Mouse, Power cable	
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ENDOCAPSULE SOFTWARE 10 SERVER-CLIENT: MAJ-2038

Components	ENDOCAPSULE SOFTWARE 10 SERVER-CLIENT(DVD-R)	1 piece
	ENDOCAPSULE SOFTWARE 10 LIGHT 32 bit (DVD-R)	1 piece
	ENDOCAPSULE SOFTWARE 10 LIGHT 64 bit (DVD-R)	1 piece

ENDOCAPSULE SOFTWARE 10 CLIENT: MAJ-2039

Components	ENDOCAPSULE SOFTWARE 10 CLIENT (DVD-R)	1 piece
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LCD MONITOR: MAJ-2041

Size	19 inch	
Components	Power cable, Monitor cable	

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

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.

ENDOCAPSULE



Trusted Visualization
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.

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'll also appreciate the expanded angle of view, which makes it less likely to miss abnormalities.

High-quality images

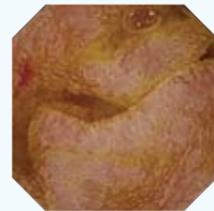
Advanced OLYMPUS optical technology delivers high-quality images that reveal individual villi with superb clarity. Noise has been markedly reduced along with halation, optimizing brightness levels for detailed observation of small-intestine mucosa and identification of abnormalities. The clear visual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



Normal



Observable symptoms



Angioma
(no bleeding)

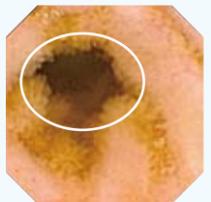


Angioma
(bleeding)



Multiple inflammations with
Crohn disease stenosis

Less noise



Previous model



EC-S10

Less halation



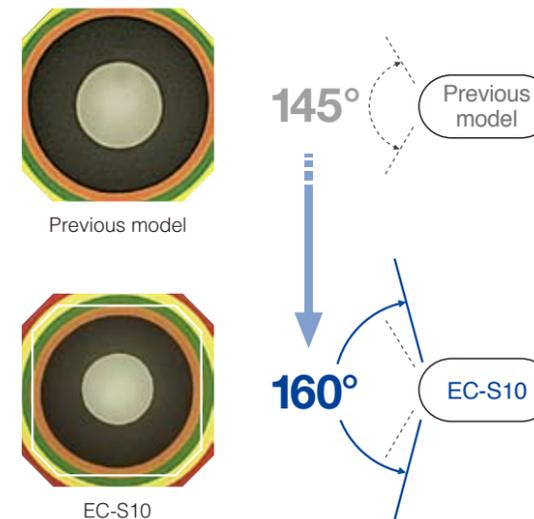
Previous model



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.

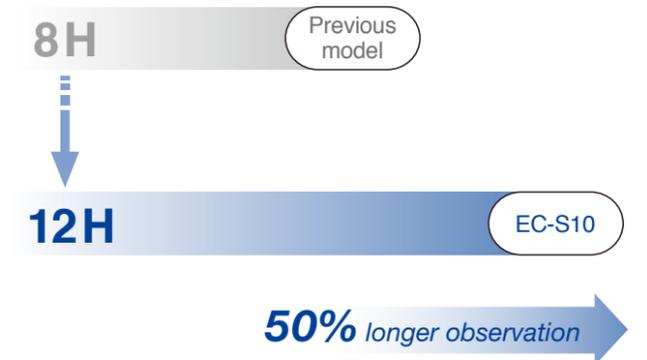


Image adjustment function

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



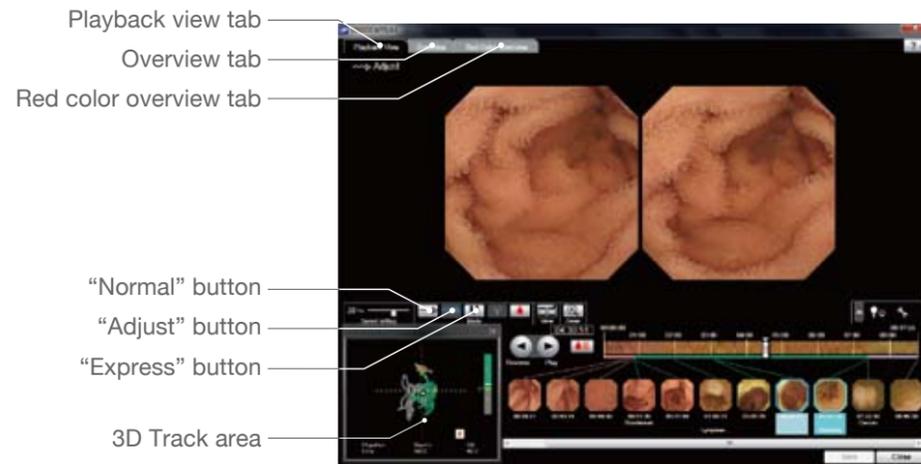
Red 0 / Blue 0



Red -3 / Blue +3

An absolute time-saver. Intelligent reading functions simplify analysis.

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.

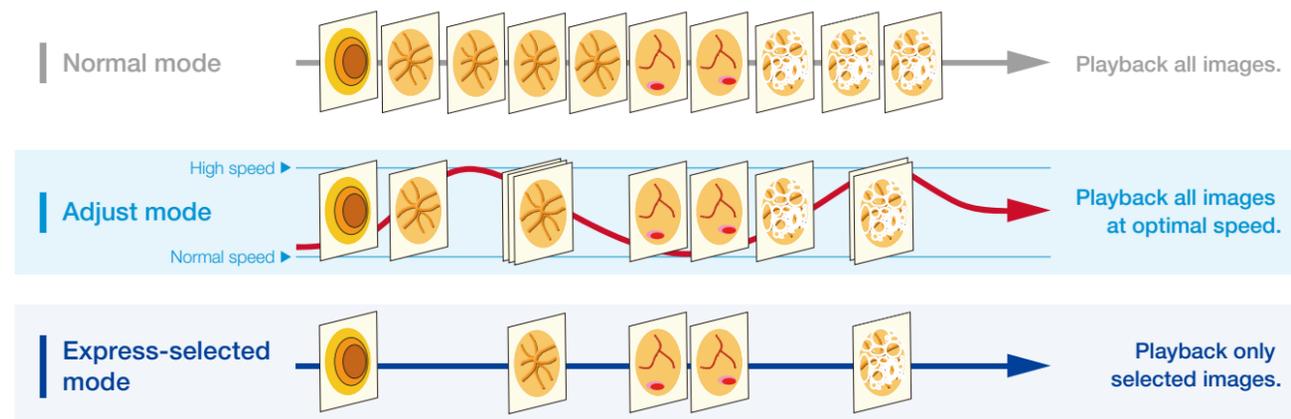


Adjust mode

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.

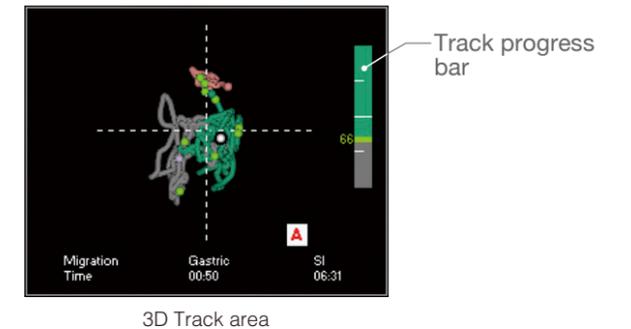
Express-selected mode

Detect and playback only images showing a certain amount of change with Express-selected mode, which also automatically detects and removes images showing areas covered with bubbles or debris. Concentrating on characteristic images effectively reduces total reading time. In addition, Express-skipped mode allows you to check the removed images, minimizing the risk of missing any areas of the examination.



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.

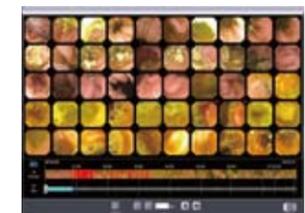
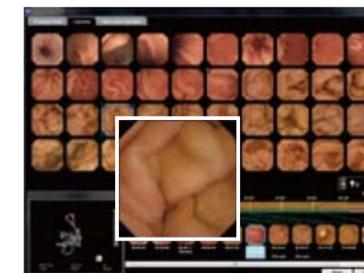
Bubble and debris image detection algorithm

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, Express-selected mode and the Overview function.

Adjacent image display function
Click selected image.



Enlarging image function
Briefly place mouse over an image.



Previous model



ENDOCAPSULE 10 SYSTEM with new algorithm

Designed for medical staff and patients. Examinations have never been this comfortable.

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.

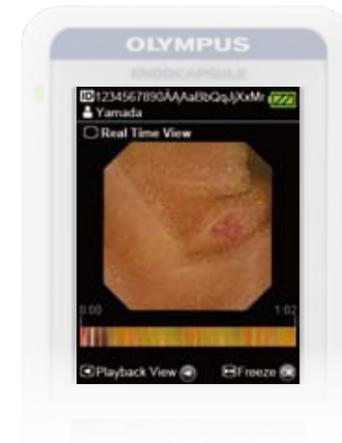
Smart recorder

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.



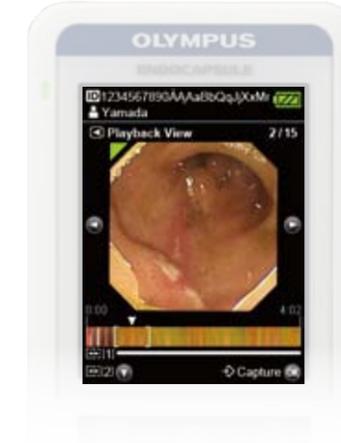
Belt-style antenna unit

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.



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."

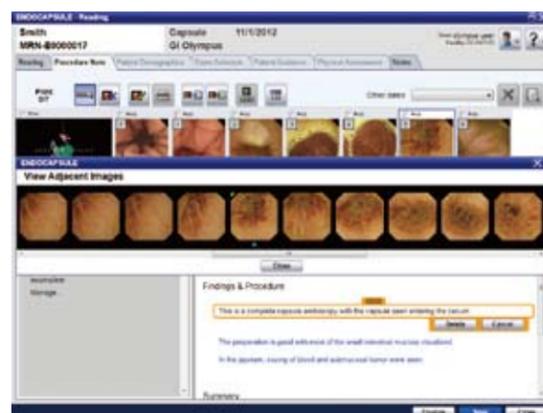


Data management made easy. Effortlessly share results and create reports.

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.

Procedure note

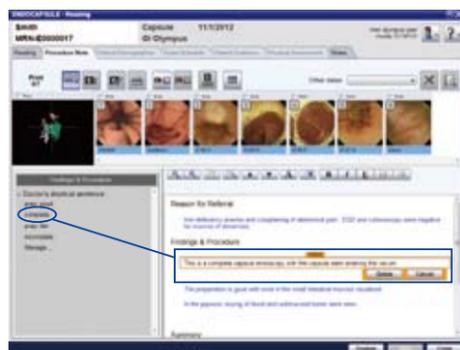
Create procedure notes while referring to captured images. Along with the Adjacent image display function, you can view preceding and subsequent images without disrupting your workflow by eliminating the need to access the image-reading screen. Repetitively used words and sentences can be registered as doctor's shortcut sentences and report templates, which reduce report-making time.



Adjacent image display function for procedure note

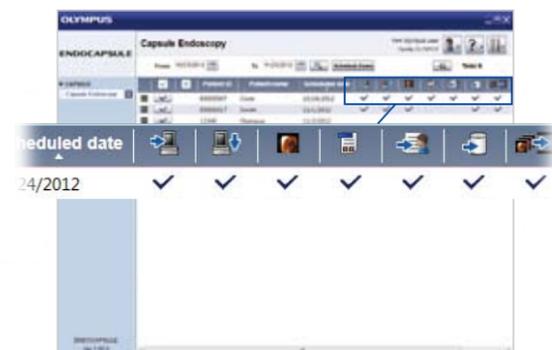
Doctor's shortcut sentence

Save words and sentences often used in reports. Items saved are displayed in a list for easy access, eliminating the need to re-type frequently used text.



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 functionality is optional and not supported in some regions. Network performance may vary depending on the network environment.

Hospital-wide network



Outside hospital (off 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.

EndoAtlas menu



Select EndoAtlas from the menu to automatically open the EndoAtlas website. This gives you one-click access to a library of clinical data regarding capsule endoscopy to assist in observation of small-intestine diseases.

Note: Access to EndoAtlas varies depending on the security policy of your network.