

Specifications

CAPSULE ENDOSCOPE SET A: MAJ-1469



Components	OLYMPUS EC TYPE 1 CAPSULE ENDOSCOPE	5 pieces
	ANTENNA LEAD COVER: MAJ-1470	50 pieces
	CAPSULE ACTIVATOR: MAJ-1478	1 piece

CAPSULE ENDOSCOPE: OLYMPUS EC TYPE 1

Optics	Field of view (maximum)	145 degrees
	Depth of field	0 – 20 mm
Sampling Rate		2 fps
Battery Life		8 hours
Size	Dimensions	ø11 mm (diameter) x 26 mm (length)

Note: OLYMPUS EC TYPE 1 is not sold as single product but as MAJ-1469.

ANTENNA LEAD COVER: MAJ-1470

Size	Dimensions	92 mm (W) x 66 mm (H)
Components		Set of 50 pcs

CAPSULE ENDOSCOPE SYSTEM SET A: MAJ-1467



Components	RECORDER UNIT: OLYMPUS RE-1	1 piece
	REAL TIME VIEWER: OLYMPUS VE-1	1 piece
	BATTERY PACK: MAJ-1473	2 pieces
	ANTENNA LEAD SET: MAJ-1474	1 piece
	RECORDER UNIT HARNESS: MAJ-1475	1 piece
	BATTERY CHARGER: MAJ-1476	1 piece
	RECORDER UNIT CRADLE: MAJ-1484	1 piece
	REAL TIME VIEWER CABLE: MAJ-1485	1 piece
	USB MEMORY (2 GB)	1 piece

RECORDER UNIT: OLYMPUS RE-1

Battery Life		8 hours or longer
Size	Weight	515 g
	Dimensions	90 mm (W) x 175 mm (H) x 43 mm (D)
Components		BATTERY PACK: MAJ-1473 1 piece

REAL TIME VIEWER: OLYMPUS VE-1

Battery Life		3 hours or longer
Size	Weight	550 g
	Dimensions	90 mm (W) x 175 mm (H) x 43 mm (D)
Components		BATTERY PACK: MAJ-1473 1 piece REAL TIME VIEWER CABLE: MAJ-1485 1 piece

BATTERY PACK: MAJ-1473

Type		Lithium-ion storage cell
Capacity		3600 mAh
Voltage		7.4V
Recharging Time		Approx. 2 hours
Size	Weight	180 g
	Dimensions	72 mm (W) x 24.7 mm (H) x 60 mm (D)

ANTENNA LEAD SET: MAJ-1474

Size	Weight	200 g
	Dimensions	88 mm (W) x 68.7 mm (H) x 23 mm (D)

RECORDER UNIT HARNESS: MAJ-1475

Size	Weight	220 g
	Dimensions	1770 mm (W) x 220 mm (H)

BATTERY CHARGER: MAJ-1476

Power supply	Power source	AC 100-240 V / 50-60 Hz
	Current	AC 100 V 53 VA / AC 240 V 70 VA
Size	Weight	330 g
	Dimensions	110 mm (W) x 48.6 mm (H) x 150 mm (D)
Components		Power Supply Cable

RECORDER UNIT CRADLE: MAJ-1484

Power supply	Power source	AC 100-240 V / 50-60 Hz
Size	Weight	Main Body : 230 g AC Adapter: 275 g
	Dimensions	128 mm (W) x 80.8 mm (H) x 114.5 mm (D)
Components		AC Adapter and Recorder Unit Cradle Cable (each 1 piece)

REAL TIME VIEWER CABLE: MAJ-1485

Length		1.05 m
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WORKSTATION: OLYMPUS WS-1



Components	WORKSTATION HARDWARE: MAJ-1479	1 piece
	PRINTER: MAJ-1480	1 piece
	LCD MONITOR: MAJ-1481	1 piece

WORKSTATION HARDWARE: MAJ-1479

Components		Keyboard, Mouse, and Endo Capsule Software Light CD-R (each 1 piece)
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Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

OLYMPUS

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OLYMPUS

Your Vision, Our Future

EndoCapsule
OLYMPUS CAPSULE ENDOSCOPE SYSTEM

Redefining Capsule Endoscopy

Innovations from a proven leader in the field of endoscopy culminate in the latest capsule endoscopes

Since producing the world's first gastrocamera in 1950, Olympus has achieved several milestones in the field of endoscopy. Over 50 years of endoscopic imaging experience have gone into the capsule endoscope development, and the road ahead looks even more promising. Gastroenterologists can now enjoy the operational ease and efficiency of our capsule endoscopes for the minimally invasive observation of small bowel abnormalities.

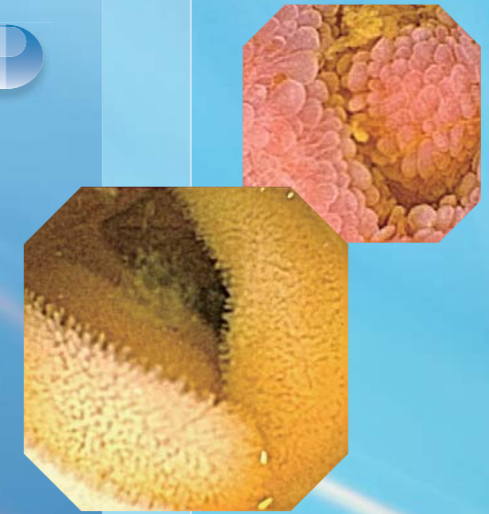
Greater advances are sure to take place in the future, as we extend our integrated opto-digital technology and revolutionary micro-electro-mechanical system (MEMS) technology beyond the bounds of knowledge to where discovery begins.



High-Resolution Imaging for Refined Observation

Established endoscopic imaging technology from Olympus has realized unrivaled observation performance in the field of capsule endoscopy.

- Supersensitive CCD
- Ultra-compact lens
- Compact battery with energy-efficient technology
- Automatic Brightness Control
- Structure Enhancement Function



Refined Observation

Clinical Efficiency

Advanced Clinical Efficiency for Capsule Endoscope Procedures

Olympus has incorporated a number of unique developments into the capsule endoscope system in order to enhance the observation efficiency of capsule endoscopy.

Visible Clinical Performance

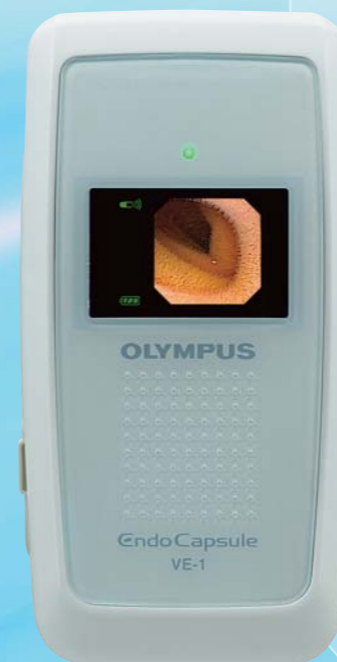
- The original "Real Time Viewer" offers a physician real-time examination imagery.

Time Saving

- The Workstation reduces physician's review time, increasing efficiency.

Ease of Use

- The Recorder Unit displays a variety of messages and patient data on its Display Panel.
- The Recorder Unit Harness is lightweight for maximum patient comfort.
- The user-friendly application software is incorporated in WS-1: Endo Capsule Software



EndoCapsule
OLYMPUS CAPSULE ENDOSCOPE SYSTEM

"Endo Capsule" from Olympus is the new trade mark of OLYMPUS CAPSULE ENDOSCOPE SYSTEM.

CAPSULE ENDOSCOPE:

OLYMPUS EC TYPE 1



High-Resolution Imaging for Refined Observation

Olympus' high-resolution imaging technology achieves even more outstanding observation capability. Established Olympus optical imaging technology leads the capsule endoscope to new observation frontiers.

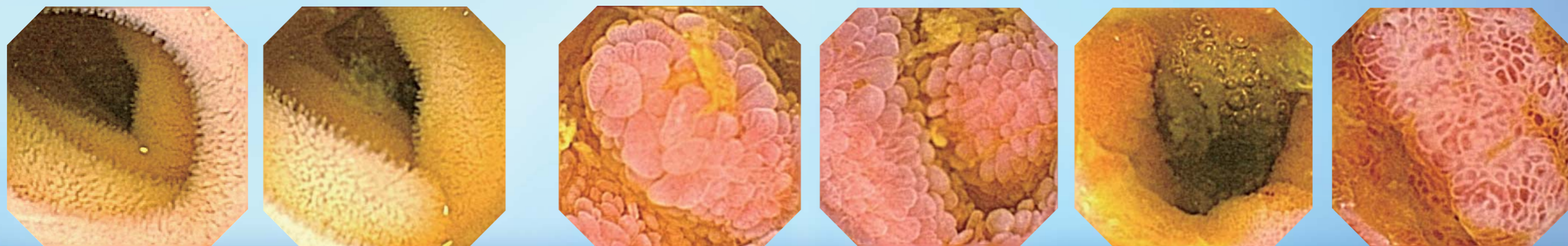


Imaging Technology

Owing to the sophisticated CCD, white LED lighting and Olympus lens technology, a clear and bright field of view is displayed for the fine observation of a variety of small bowel abnormalities.

- Olympus lens technology and sensitive, high-resolution CCD technology provide clear and vivid imaging results.
- A wide depth of field (0-20 mm) provides optimal observation.
- 6 white LED lights always ensure a clear field of view.
- Automatic Brightness Control, applied from conventional endoscope technology, adjusts illumination to maintain optimal imaging.

Observable Symptoms



Power Supply Technology

Energy-saving technology: the implementation of original low-energy consumption image processing and transmission modules maintains battery life for 8 continuous hours.

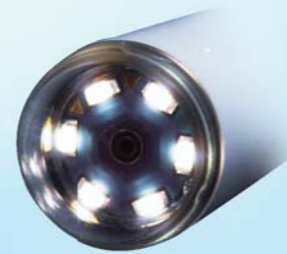
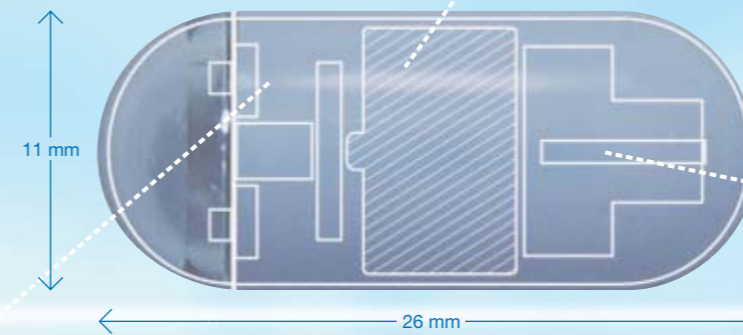
Wireless Transmission Technology

A built-in capsule antenna transmits two images per second to the advanced Recorder Unit via the Antenna Lead Set.

Safety

In line with our policy for patient care, Olympus utilizes a variety of technologies to maintain patient safety with the Endo Capsule EC-1.

- Biocompatible plastics for the surface of the capsule endoscope
- Built-in circuit protection functions



White LED illumination

REAL TIME VIEWER:

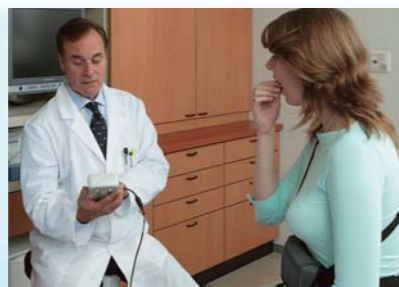
OLYMPUS VE-1

Olympus "Real Time Viewer" for "Visible Clinical Performance"

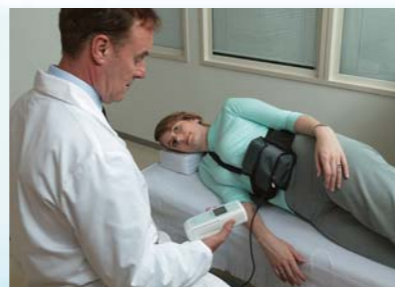
Our proprietary, compact Real Time Viewer with color Display Panel allows clear, real-time capsule endoscope observation before and during clinical cases for vastly improved procedures.

As capsule performance may be closely monitored on the Real Time Viewer during procedures, the Olympus Real Time Viewer can therefore improve examination efficiency.

- Color Display Panel
- Real-time observation



Preprocedure check of capsule functions with Real Time Viewer



Real-time monitoring of capsule progress with Real Time Viewer

RECORDER UNIT:

OLYMPUS RE-1

Integrated Developments and Features to Increase "Ease of Use" for Physicians, Nurses and Patients

To increase "ease of use" for physicians, nurses and patients during capsule endoscope procedures, the Recorder Unit incorporates a variety of unique solutions.

- Compact (90 mm x 175 mm x 43 mm) and lightweight (515 g: including battery) design
- Quick initialization
- B/W Display Panel for viewing a variety of data, such as remaining battery power, patient name and ID, plus additional error messages for physicians and nurses.



Recorder Unit and Antenna Lead Set



Lightweight and stylish Recorder Unit Harness

ANTENNA LEAD SET:

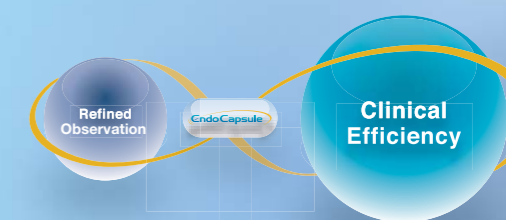
MAJ-1474

RECORDER UNIT HARNESS:

MAJ-1475

<Recorder Unit Harness>

- Slim and lightweight harness reduces patient discomfort.
- The waist belt portion is for patients with a waist size of up to 153 cm.



EndoCapsule Software

WORKSTATION:

OLYMPUS WS-1

Olympus Solution for "Time Saving" on Physician's Capsule Endoscope Examination Time

In order to save physician's review time, this uniquely integrated Workstation contains the proprietary application software "Endo Capsule Software," which enables the smooth management of capsule endoscope examination data.

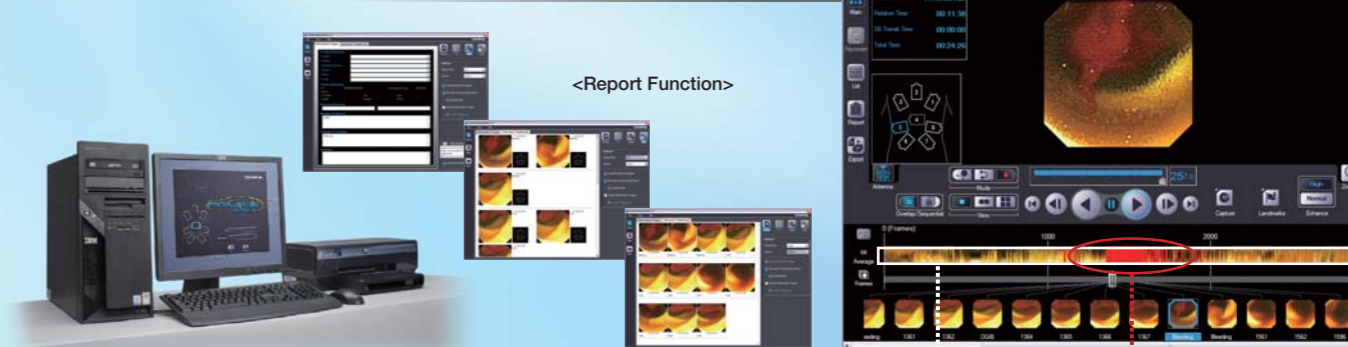
- Multi-Display Function (1, 2 or 4 Display Mode) for quick, optimal observation.
- Up to 40 frames/second review speed for reduced viewing time.
- Various user-friendly features like Report Function, Case Data Management, Creation/Export of pictures and movies, and others.

- Structure Enhancement and Enlargement Display Function for highlighting the tiniest details.
- Red Color Detection Function selects images showing the suspected bleeding symptoms.
- Auto Speed Adjustment Function optimizes the review speed for the observer.
- Average Color Bar shows average color for each recorded image indicating mark of each GI tract for doctors' reference.

<Multi-Display Function>



<Report Function>



Note: OLYMPUS WS-1 comprises WORKSTATION HARDWARE (MAJ-1479), PRINTER (MAJ-1480), and LCD MONITOR (MAJ-1481).

Average Color Bar Red Color Detection Marks

Endo Capsule Software Light

EndoCapsule Software Light

Simplified Application Software for the Office Environment

Olympus offers "Endo Capsule Software Light" on a CD-R for physicians seeking efficient observation of capsule endoscope examination results on PCs outside the examination room.

