### Specifications

#### 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
- **Dimensions:** ø11 mm (diameter) x 26 mm (length)

#### Recorder Unit Cradle: MAJ-1484

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

#### Battery Pack: MAJ-1473

- **Type:** Lithium-ion Storage Cell
- **Capacity:** 3600 mAh
- **Voltage:** 7.4 V
- **Recharging Time:** Approx. 2 hours
- **Size:** 72 mm (W) x 24.7 mm (H) x 60 mm (D)

#### Antenna Lead Set: MAJ-1474

- **Size:** 88 mm (W) x 68.7 mm (H) x 23 mm (D)

#### Capsule Endoscope System Set A: MAJ-1467

- **Components:**
  - OLYMPUS EC TYPE 1 Capsule Endoscope 5 pieces
  - Antenna Lead Cover: MAJ-1470 50 pieces
  - Capsule Activator: MAJ-1478 1 piece
  - Workstation Hardware: MAJ-1479 1 piece
  - Printer: MAJ-1480 1 piece
  - LCD Monitor: MAJ-1481 1 piece
  - Real Time Viewer: OLYMPUS VE-1
  - Battery Charger: MAJ-1476

#### Recorder Unit: OLYMPUS RE-1

- **Battery Life:** 8 hours or longer
- **Size:** 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:** 90 mm (W) x 175 mm (H) x 43 mm (D)
- **Components:**
  - Battery Pack: MAJ-1473 1 piece

#### Workstation: OLYMPUS WS-1

- **Components:**
  - Keyboard, Mouse, and Endo Capsule Software Light CD-R (each 1 piece)

#### 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

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

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

Power Supply Technology

Energy-saving technology: the implementation of original low-energy consumption imaging 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.
Preprocedure check of capsule functions with Real Time Viewer Recorder Unit and Antena Lead Set

Real-time monitoring of capsule progress with Real Time Viewer Lightweight and stylish Recorder Unit Harness

Olympus Solution for “Time Saving” on Physician’s Capsule Endoscope Examination Time

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

Olympus “Real Time Viewer” for “Visible Clinical Performance”

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.

- 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.

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.

- Structure Enhancement and Enlargement Display Function
- Red Color Detection Function
- Auto Speed Adjustment Function
- Average Color Bar

Endo Capsule 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.