

OLYMPUS[®]

Your Vision, Our Future

IMAGE MANAGEMENT HUB **IMH-10/IMH-20**

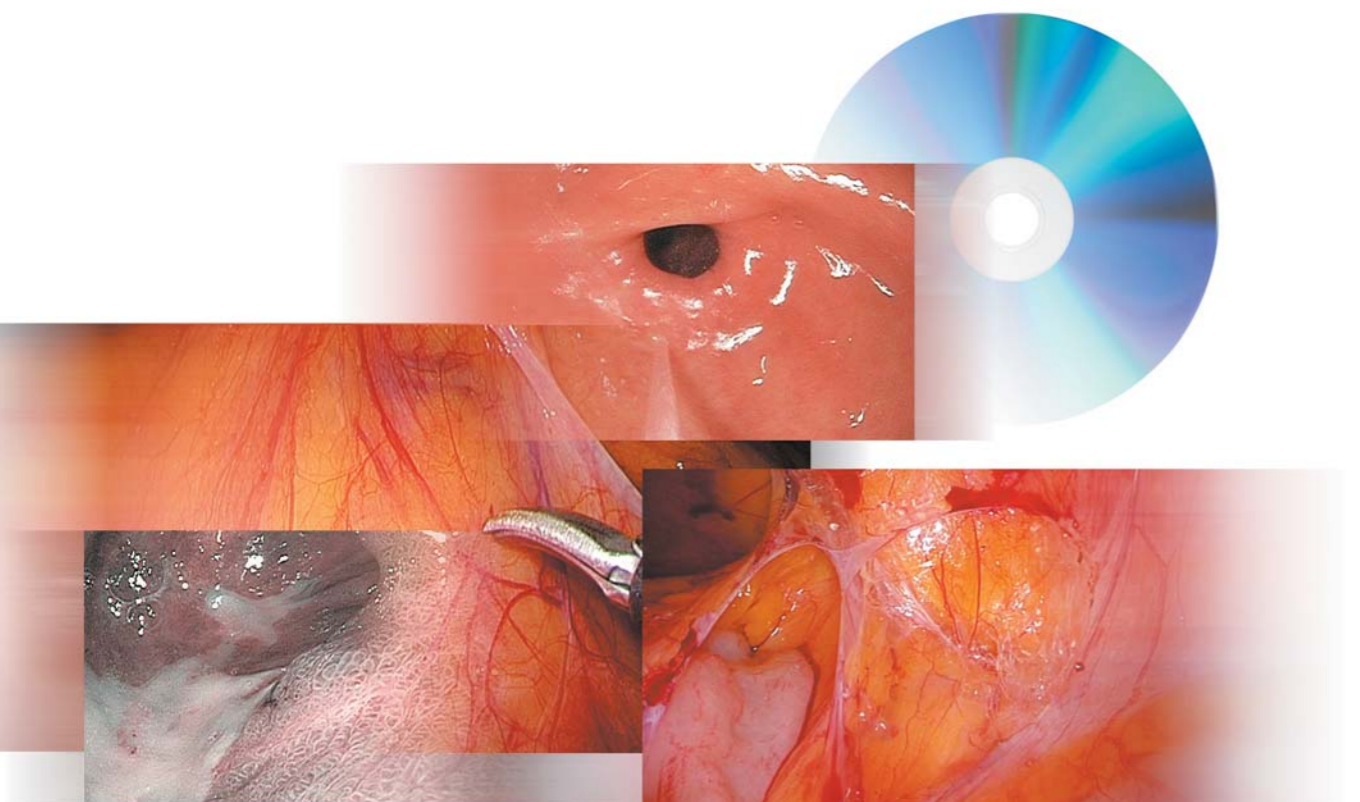
Full HD for vivid images.
Seamless recording, management, and editing.



New from Olympus: an image management hub with one-touch operation.

Amazingly high-quality images, still or video.
Enhanced recording and management, as well as editing functionality.

Now Olympus brings you an image management hub that offers full HD and helps you stay a step ahead of the field. This hub gives you the impact of high-resolution detail for records, for peer presentations, and for training. And it seamlessly links processing of records, image management, and editing for a whole new level of efficiency. For everything from examination to surgery, Olympus keeps you at the leading edge.



High-Definition Image

● Vivid full HD images, still or video

Record detailed endoscopy images (still or video) in full HD, with absolutely no degradation in image quality.

● Extended recording time

Olympus uses the most advanced compression technology. Even high-definition images can now be compressed into small files, so whichever recording media is used can hold many hours of data. What's more, you won't need to change the media so often, resulting in fewer items, that can be stored and managed more easily.

● Recording time

Recording media	Picture format and quality	MPEG-4 AVC/H.264					
		HD (1920x1080i)			SD (720x480i/720x576i)		
		Highest	High	Standard	Highest	High	Standard
IMH-10 internal HDD: 320GB		28 h	40 h	83 h	124 h	200 h	333 h
IMH-20 internal HDD: 500GB		44 h	73 h	152 h	227 h	364 h	606 h
Blu-ray disc (single layer): 25GB		2.3 h	3.7 h	6.3 h	9.5 h	14 h	28 h
DVD-R (single layer): 4.37GB		30 min	50 min	1.5 h	2.3 h	4.3 h	7 h

● Number of still-picture frames recordable

Recording media	Picture format and quality	Bit map/TIFF		JPEG					
		HD (1920x1080i)	SD (720x480i/720x576i)	HD (1920x1080i)			SD (720x480i/720x576i)		
				Highest	High	Standard	Highest	High	Standard
IMH-10 internal HDD: 320GB		35,200	176,000	140,800	281,600	563,200	704,000	1,408,000	2,816,000
IMH-20 internal HDD: 500GB		40,960	204,800	163,840	327,680	655,360	819,200	1,638,400	3,276,800
Blu-ray disc (single layer): 25GB		4,000	20,000	16,000	32,000	64,000	80,000	160,000	320,000
DVD-R (single layer): 4.37GB		750	3,760	3,000	6,000	12,000	15,000	30,000	60,100

Note: Recording time and number of frames shown above are approximate.

High Efficiency

● Recording in real time

These hubs allow you to record in real time while using general-purpose recording media. You can take the media as soon as the procedure is finished.

Compatible media	Internal HDD/Blu-Ray disks/DVD /USB stick memories/USB HDD
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Note: Recording time may be prolonged due to media performance, extended recording, media exchange during recording, and two-channel recording.

● System compatibility

Compatible with all Olympus systems. Improves the efficiency of many tasks.

- **Scope trigger compatibility:** Record and capture functions can be assigned to buttons on the scope control console.
- **Video processor compatibility:** Patient data can be read from the video processor and attached to recorded or captured images. This reduces the need to input information and simplifies image management. (with CV-260 and CV-180)
- **Printer compatibility:** Recorded images can be readily printed out.

● Synchronized voice recording

You can record your voice at the same time as the images, so it's much easier to create teaching tools and seminar videos. This also streamlines image editing.

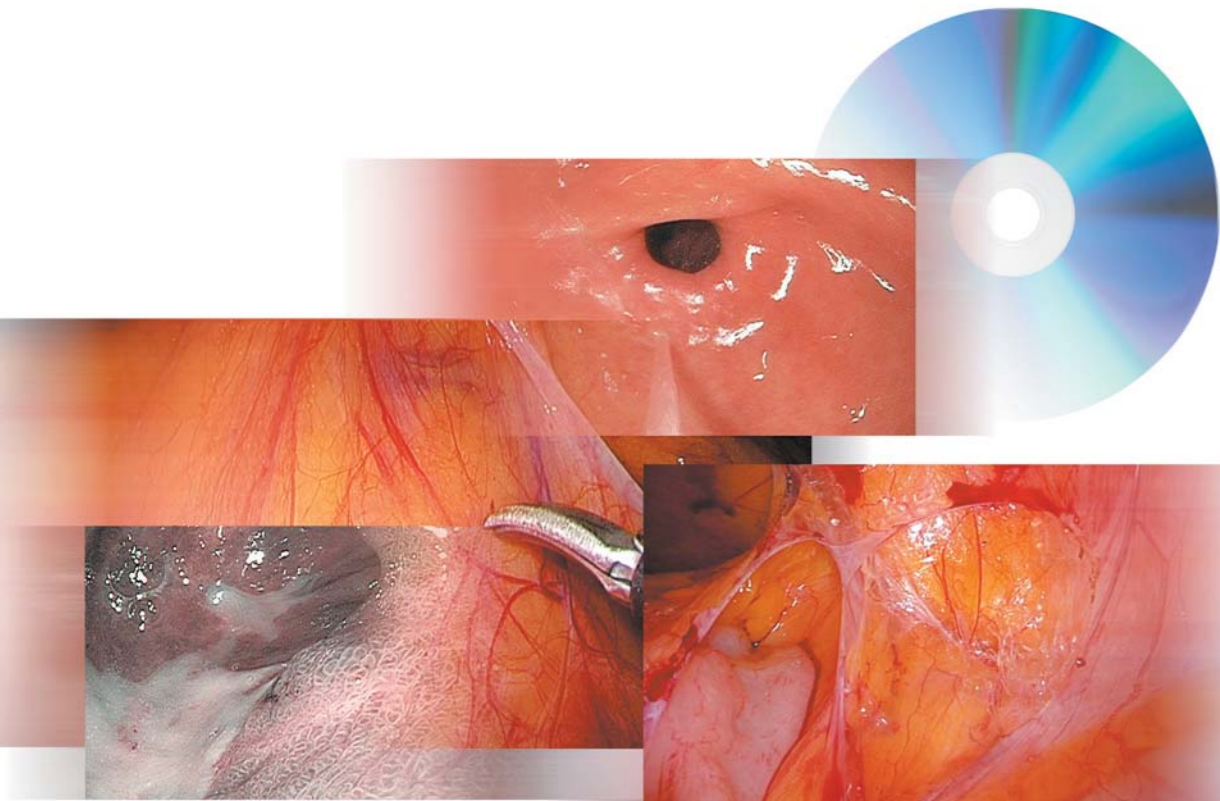
High-End Model IMH-20

Standard Model IMH-10



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From flexible endoscopy procedure through surgery, these two new hubs from Olympus meet every endoscopy image recording need.

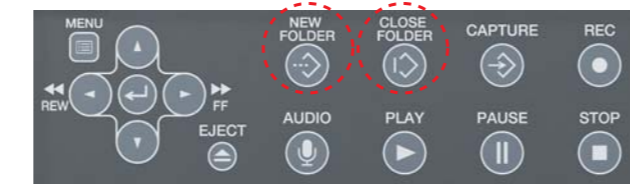
The standard model: easy to use, easy to understand

IMH-10

User-friendly management and search functions

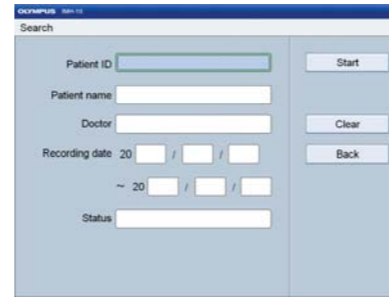
• New folder button

Just push the new folder button on the face of the unit to save the data from the operation or procedure in a single folder.



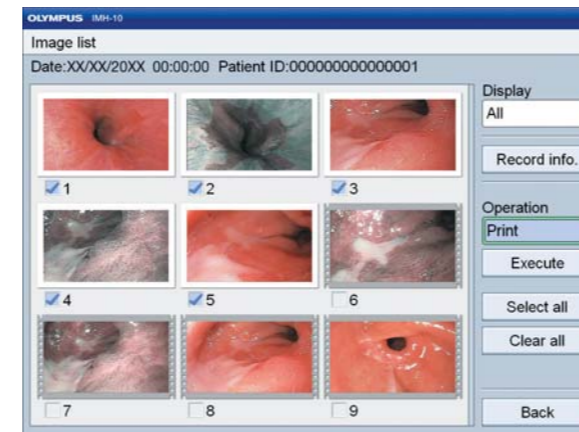
• Search Control Menu

Search data in any folder by patient ID, patient name, doctor, recording date, status.



• Thumbnails

View thumbnails of the images in any folder to select the exact image you want printed or displayed.



One-touch image record or capture

Assign "Record" and "Capture" functions to the buttons on your Olympus endoscope control console to give you remote control. One touch of a button then lets you capture exactly what is on the monitor.



Patient data is easy to input

This hub can be linked to an Olympus video processor so patient data can be imported from the video processor and attached to the images being taken. This reduces input time and helps make management more efficient.



Note: Compatible video processor: CV-260 and CV-180

The high-end model: two-channel imaging and network compatibility

IMH-20

Touch-panel display

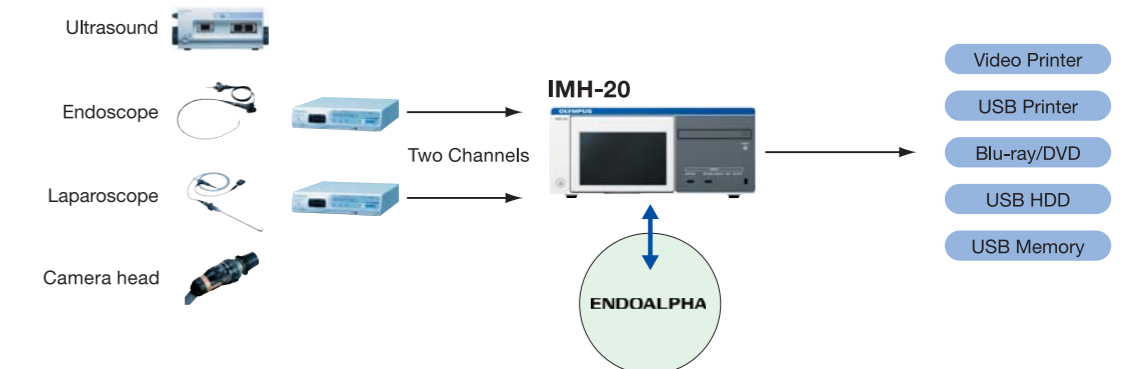
Touch-panel display on the hub lets you do what you want, when you want. While watching the monitor image, the touch panel allows you to record or capture in real time.



The angle of the touch-panel display is adjustable for optimum visibility and comfort.

System connection

IMH-20 hubs will link to all Olympus systems. This reduces input time and helps make management more efficient.



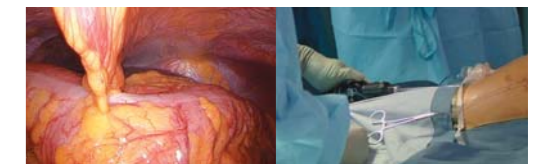
IMH-20 is also compatible with ENDOALPHA, Olympus' system integration

Note: Network function requires prior confirmation of specifications and operation. Please ask our salespeople or dealers.

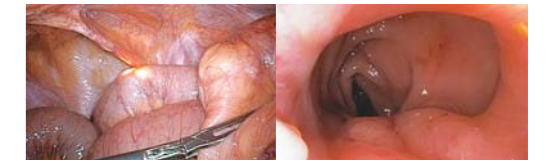


Two-channel simultaneous recording

Two cameras or scopes can be fitted to a single IMH-20 hub in order to record images from two separate sources at the same time. The images can be recorded as separate files or as a single file so they appear together on a display panel. The hub also records the image onto its HDD as well as external media simultaneously.



LESS Image of operating field and image of the operating room



GI in OR Laparoscope and GI endoscope



GI procedure GI endoscope and ultrasound images



GI procedure GI endoscope and ScopeGuide images

IMH-10/IMH-20

IMH Series

- Lifelike full HD images, still or video
- Extended recording time
- Real-time recording
- System compatibility
- Synchronized voice recording

IMH-10

- Easy-to-use management and search functions
- One-touch image record or capture
- Simple input of patient data



IMH-20

- Touch-panel display
- Two-channel simultaneous recording
- System connection



Specifications

Model	IMH-10	IMH-20
Video recording format	MPEG-4 AVC/H.264	
Still recording format	BMP, TIFF, JPEG	
Compatible media	HDD, Blu-ray, DVD, USB device	
Internal HDD capacity	320GB	500GB
Touch-panel display	–	7-in. LCD Touch panel
HD/SD-SDI	INPUT: 1, OUTPUT: 1	INPUT: 2, OUTPUT: 1
Video input/ output jacks	–	INPUT: 2, OUTPUT: 1
DVI	INPUT: 1, OUTPUT: 1	INPUT: 2, OUTPUT: 1
Y/C	INPUT: 1, OUTPUT: 1	INPUT: 2, OUTPUT: 1
Composite	INPUT: 1, OUTPUT: 1	INPUT: 2, OUTPUT: 1
Serial remote	RS232C, stereo mini pin jack	
Dimensions (W x H x D)	370 x 108.5 x 413 mm	370 x 167.5 x 413 mm
Weight	Approx. 8.6 kg	Approx. 10.7 kg
Input current	1.3-0.6A	1.9-0.8A

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