

ScopeGuide will change the way you perform colonoscopy



ScopeGuide provides a real-time three-dimensional view of the position and configuration of the scope inside the colon.

The challenging and unpredictable nature of colonoscopy demands the most experienced colonoscopists and the most advanced medical equipment. ScopeGuide provides a three-dimensional visualization of the exact shape and position of the colonoscope inside the colon. It can help enable easier and more confident scope insertion, loop identification and determination of the optimal location to apply precise abdominal pressure all leading to less patient discomfort.



How ScopeGuide Works

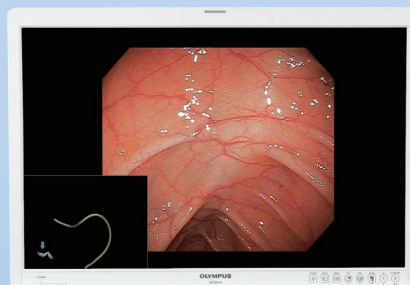
Electromagnetic coils incorporated along the length of the dedicated scope's insertion tube generate a pulsed low-intensity magnetic field that is picked up by the receiver dish. The magnetic pulses are used to calculate the precise position and orientation of the insertion tube to generate a three-dimensional image on the monitor.



Built-in electromagnetic transmission coils

Clear three-dimensional display of the entire scope configuration

With ScopeGuide, you will be able to see a realtime three-dimensional reconstruction of the scope position and shape. This means that you will no longer have to use fluoroscopy, reducing x-ray exposure for patients and staff. You will also be able to clearly see the extent of looping, and get a better sense of which rotational maneuvers will be required to straighten out loops formed during colonoscopy. For easier viewing, both the ScopeGuide and endoscopic image can be seen on the same monitor (OEV261H).

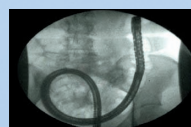


Picture in Picture

Note: The images in the above display screen are simulated pictures.



ScopeGuide image



X-ray image

Compact receiver dish design

The new ScopeGuide receiver dish is thin and compact. It does not get in the way of you or your staff. Olympus' exclusive roll stand allows for maneuverability, flexibility and ease of use.

Faster frame rate for enhanced image quality

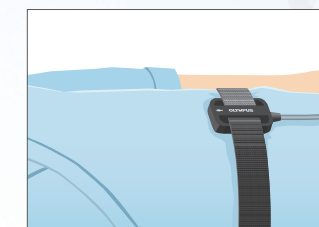
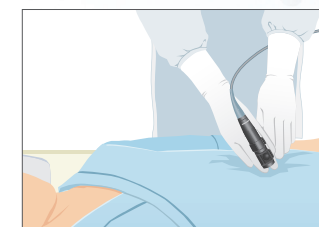
ScopeGuide has a frame rate of up to 15 fps providing a fluid representation of scope movement and a smoother image. The faster frame rate minimizes lag time between the movement of the hand coil or scope and the displayed image.

Simplified menu and convenient bookmark function

The software menu allows the user to adjust ScopeGuide to best meet their requirements. A convenient bookmark function is now provided, allowing you to observe the bookmarked area later on.

Hand coil and reference plate

When using the hand coil, an assistant can track the scope's insertion tube from outside of the patient and apply precise abdominal hand pressure. Using the hand coil ensures that the assistant only applies hand pressure when and where it is likely to help—often for a few seconds only. The reference plate, fixed to the patient's abdomen, keeps the orientation of ScopeGuide image steady even if the patient position is changed during the examination.



ScopeGuide compatible colonoscopes

Despite incorporating electromagnetic coils along the length of the insertion tube, ScopeGuide-dedicated endoscopes such as CF-Q160DI/L or high definition CF-H180DI/L series colonoscopes deliver Olympus-quality imaging performance, as well as providing exceptional maneuverability and acclaimed Variable Stiffness capability.

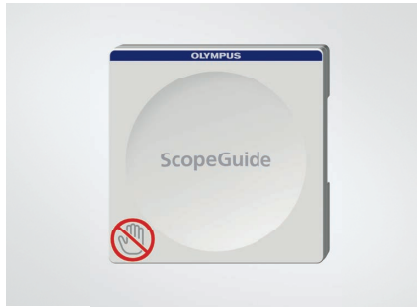


UPD-3



Dimensions	370 mm (W)×482 mm (D)×81 mm (H)
Weight	9 kg
Output magnetic field strength	Complies with IEEE C95.1-2005+A1 : 2010
Video signal output	XGAX1, Y/Cx1, SD-SDIx1
Rated voltage	100-240 V AC
Rated input	110 VA
Rated frequency	50/60 Hz

Receiver Dish (MAJ-1868)



Dimensions	256 mm (H)×256 mm (W)×31 mm (D)
Weight	800 g

Note: Install the receiver dish (MAJ-1868) to the receiver dish stand (MAJ-1907). For installation of the receiver dish to any other stand, contact Olympus.

Receiver Dish Stand (MAJ-1907)




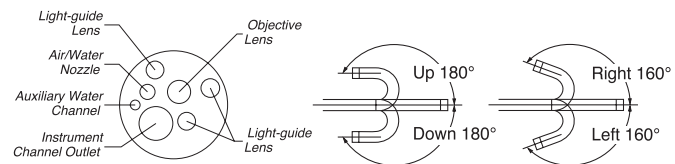
Dimensions	1270 mm (H)×468 mm (W)×448 mm (D)
Weight	10 kg

CF-H180DL/I



Specifications

Optical System	Field of view	170°
	Direction of view	Forward viewing
	Depth of field	2 to 100 mm
Distal End	Outer diameter	13.9 mm
Insertion Tube	Outer diameter	13.2 mm
Bending Section	Angulation range	Up 180°, Down 180°, Right 160°, Left 160°
Working Length	L	1680 mm, I: 1330 mm
	I	2005 mm, L: 1655 mm
Instrument Channel	Inner diameter	3.7 mm
	Minimum visible distance	3 mm from the distal end
	Endotherapy accessory entrance/exit position in field of view	



Accessories

Hand Coil (MAJ-1859)



Dimensions	ø 24 mm ×150 mm (L)
Weight	110 g
Length of the cord	2500 mm

Reference Plate (MAJ-1860)*



Dimensions	60 mm (W)×86 mm (D)×20 mm (H)
Weight	150 g
Length of the cord	2500 mm

Remote Control (MAJ-1890)*



Dimensions	76 mm (W)×140 mm (D)×23 mm (H)
Weight	280 g
Length of the cord	2900 mm

Position Detecting Probe (MAJ-1300)*

This device is not available in all markets.



Maximum insertion portion diameter	2.9 mm
Total length	3500 mm
Detection length	940 mm

* Optionally available

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