

ME-400

MEDINTECH VIDEO SYSTEM



Clean and Intuitive Operating Interface



The device operates with buttons for White Light, Spectral Light, Pump, and White Balance. Users can adjust the light intensity through ten levels, set the pump pressure in three stages, and modify image color tones with the White Balance feature.

USB 3.0 Port for Image and Video Data Transmission



The device includes a USB 3.0 port to easily transmit stored images and video data from examinations. This port enables the quick and convenient extraction of patient imaging information.

Electric Valve for Motorized Suction Feature



The device utilizes an electric valve on the system side, controlled by button signals from the endoscope, to enable the use of a motorized suction feature.

Water Bottle and Irrigation Port for Motorized Air/Water Delivery



The system includes a water bottle and an irrigation port, which are controlled by electric valves within the system. These valves respond to button signals from the endoscope, enabling the motorized delivery of air and water.

SPECIFICATIONS

Category		Specification
Power supply	Voltage	100 - 240 VAC
	Power fluctuation	Within ±10%
	Frequency	50/60 Hz
	Input current	8.5–5A
	Fuse	F10AH 250V × 2 (Rating: 1–10 A, 250 V)
Size	Dimensions (W×H×D)	498 × 187 × 530 mm
	Weight	24.8 kg
Illumination	Examination lamp	White Light LED
	Ignition method	Switching regulator
	Brightness adjustment	Light-path diaphragm control
Maximum air/water supply pressure		Under 50 kPa
Cooling Method		Forced-air cooling
Observation	Digital signal output	HDMI (1080P)
	White balance	White balance adjustment is possible using the white balance button on the front panel.
	Color gain adjustment	The color gain adjustments are possible.
		Red adjustment: ± 50 steps
		Blue adjustment: ± 50 steps
		Green adjustment: ± 50 steps
	Sharpness	The image sharpness can be selected from 16 levels (0 ~ 15)
	DeNoise	Noise is corrected by image processing
	White balance	The structure enhancement can be adjusted to emphasize specific textures or structures in the image. The level of enhancement can be selected from 8 levels (0 ~ 8).
	Color transfer	This function adjusts video frame's color scale.
	Patient data	The following data can be displayed on the monitor: - Patient ID - Patient name - Sex - Age - Date of birth - Comment
	Displaying the image information	The following data can be displayed on monitor: - Current date and time - Edge enhancement level - Histogram equalization level
	Displaying the endoscope information	The following data can be displayed on monitor: - Endoscope name - Endoscope size - Instruments channel size - Endoscope serial number - Endoscope button mapping function