



MD331UI

Medical Grade PTZ Camera
30X 4K Camera for Clinical Care



Built for the Realities of Clinical Care

Healthcare environments require more than standard video technology. Remote patient care depends on clear, detailed imaging that supports clinical decisions — whether viewing a medication label, assessing a patient's condition, or reading equipment settings from across the room.

The AVer MD331UI was built for these demands, combining a 4K sensor, 30X optical zoom, 10W speakerphone, and dual microphones into a single medical grade camera. Ideal for Tele-ICU monitoring, telehealth carts, and clinical conferencing, it enables remote patient assessments, simplifies cart deployments, and supports seamless case reviews, specialist consultations, and care team meetings from any location.

Our industry-leading AVerCare warranty program offers 3 years protection and *24-hour replacement to give you total peace of mind.



10W
Speaker



Medical Grade



30X Zoom



4K Resolution



Two Way Audio



Medical Certification



IR for Night Vision



10W speaker



4K Sensor PTZ Lens

Clinical-grade 4K imaging with 30X optical zoom gives remote providers the visual clarity to assess patients, monitor room activity, and inspect equipment settings from any distance. The PTZ design enables precise camera positioning and close-up views of critical details such as medication labels, patient condition, and bedside monitors. Ideal for Tele-ICU, telehealth, and virtual rounding environments.



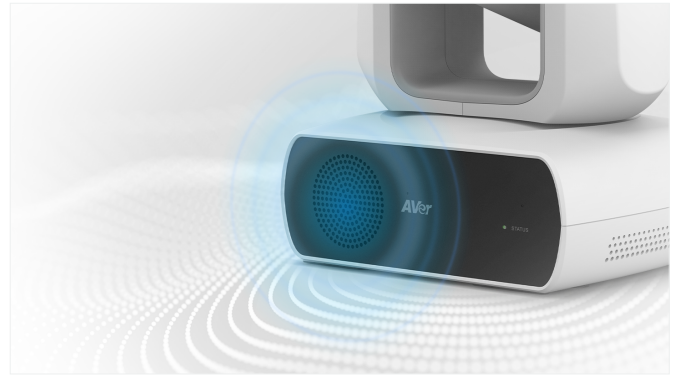
Flexible PTZ Control

Reposition the camera manually, by remote, or through software for fast and easy viewing adjustments. Bedside staff and remote clinicians both have convenient control to frame patients, equipment, or the room as needed. Ideal for Tele-ICU, telehealth, and collaborative care environments where flexibility and responsiveness matter.



Dual Microphone System

An integrated dual microphone system adapts to each care setting with two audio modes in one device. Use the omnidirectional microphone to capture clear room-wide conversations, or switch to the directional microphone to focus on voices near the bedside. This flexible design helps improve communication clarity while reducing the need for additional external audio equipment.



10W Integrated Speaker

A built-in 10W speakerphone delivers clear, powerful audio so remote providers can be easily heard at the bedside. Integrated noise reduction helps minimize background distractions, improving communication between patients, clinicians, and care teams without the need for additional external speakers.



External Microphone Support

Connect an optional bedside speakerphone or external microphone when enhanced audio pickup is needed. This added flexibility helps accommodate different room layouts, patient needs, and communication preferences while expanding the MD331U's audio coverage when required.

Product Specifications

Camera	Image Sensor	1/2.8" 4K Sony Exmor CMOS
	Effective Picture Elements	8MP
	Output Resolution	Resolution: 4K / 1080p / 720p Frame Rates: 60 / 59.94 / 50 / 30 / 29.97 / 25
	Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)
	S/N Ratio	≥ 50 dB
	TV Line	1000 (Center / Wide)
	Shutter Speed	1/1 to 1/10,000 sec
	Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
	White Balance	Auto, Manual
	Total Zoom	30X
	Optical Zoom	30X
	Digital Zoom	1X
	Viewing Angles	DFOV: 75.5° (Wide) to 3.1° (Tele) HFOV: 68.0° (Wide) to 2.7° (Tele) VFOV: 41.7° (Wide) to 1.5° (Tele)
	Focal Length	f = 4.3 mm (Wide) to 129 mm (Tele)
	Aperture (Iris)	F = 1.6 (Wide) to 4.7 (Tele)
	Minimum Working Distance	0.01 m (Wide), 1.2 m (Tele)
	Pan/Tilt Angles	Pan : ±170°, Tilt : ±90°
	Image Stability	Yes
	Gain	Auto, Manual
	Preset Position	10 (IR), 256 (IP)
Camera Control - Interfaces	USB, IP	
Camera Control - Protocols	USB, VISCA, CGI (IP)	
Image Processing	Mirror / Flip / Freeze / WDR / BLC	
Power Frequency	50 Hz, 60 Hz	
AI Function	Mode	Face / Eyes Tracking, Fall/ Bed Egress Detection
Privacy	Protection Mode	Local Privacy Mode, Mosaic Function
Audio	Channel	2ch Stereo
	Codec	AAC-LC (48K)
	Built-in Microphone	Yes, 2 Microphones
Interface	Video Outputs	HDMI*, IP, USB
	Audio Outputs	HDMI*, IP, USB
	Audio Inputs	N/A
Web UI	Live Video Preview	Yes
	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
	Camera / Image	Exposure, White Balance
	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

General	Power Requirement	Adapter: AC 100 - 240V to DC 12V / 3.34A Power Input: DC 12-24V, 60W Max.	
	Power Consumption	60W	
	PoE++	N / A	
	Dimensions (W x H x D)	195.0 x 222.4 x 155.0 mm	
	Net Weight	2.6 kg	
	Housing Material	Anti-UV	
	Application	Indoor	
	IR Night Vision	Yes	
	Security	Kensington Slot	
	Remote Control	Infrared	
	Operating Conditions	Temperature: 0 °C to +40 °C ; Humidity: 20% to 80%	
	Storage Conditions	Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%	
IP Streaming	Resolution	4K 60fps	
	Network Video Compress Formats	H.264, H.265, MJPEG	
	Maximum Frame Rate	4K 60fps	
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, VISCA over IP	
	Network Interface	10 / 100 / 1000 Base-T	
	Bit-Rate Control Modes	VBR, CBR	
	Range of Bit-Rate Setting	512 Kbps to 64 Mbps	
	Multi-Stream Capability	2 (RTSP / Web Page), 4K 60fps (max.)	
	USB	Connector	USB 3.0, (2) Type-A, and (2) Type-C
		Video Format	MJPEG, YUY2
Maximum Video		N/A	
USB Video Class (UVC)		UVC 1.1	
USB Audio Class (UAC)		UAC 1.0	
Software Tools	ViewCare	Support Windows® 10 or later	
	Room Management	Supports Windows® 7 or later, macOS® 11.6 or later	
Warranty	Camera	3 Years	
	Accessories	1 Year	
Package Contents	Camera, Remote Control, Power Adapter, Power Cord , USB 3.0 Type-A to B Cable, Quick Start Guide		
Optional Accessories	L-Type Wall Mount, Ceiling Mount Bracket, AVer CL01 PTZ Camera Controller, AVer Expansion Speakerphone, AVer Wi-Fi* Dongle		

* Specifications may vary depending on location and are subject to change without notice.

Hardware Specifications



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