



MD330U MD330UI

Medical Grade PTZ Camera
30X 4K Camera with Embedded Audio



The Perfect Camera For Today's Healthcare

The MD330 is a highly versatile medical grade camera that can be utilized in various settings such as Tele-ICU patient monitoring or a Telehealth conferencing PTZ camera for a mobile cart. Coupled with a 4K sensor and removable camera head, healthcare professionals can get close up images of patients at different angles wherever they are providing care. An embedded audio system with speakerphone and noise reduction supports clear communications.

Our industry-leading AVerCare warranty program offers 3 years protection.



30X Optical Zoom



Handheld Camera Head



One-click Pan-Tilt



One-button Snapshot



IR for Night View



Medical Certifications



Features:

Use for Patient Monitoring or Telehealth Conferencing
4K Output Resolution
Smart AI – SmartFrame, Noise Reduction
Infrared for Night View or LED for Illumination

Embedded Audio System – Speakerphone
Detachable Handheld Camera
Medical Grade EN60601-1

30X Optical Zoom, High Resolution & Wide Pan-Tilt Angles

The PTZ Camera clearly captures and shares vital signs & statistics with medical professionals.



Regular Mode



User Scenario

- See patients and environments altogether in a broad view
- Pan, tilt and zoom to look into details

Advantages

- 30X optical zoom
- Up to 4K output resolution
- One-click to control PTZ functions
- Great tilt capability to take as much as patient's body
- Built-in audio system with AI noise reduction technology
- Rapid speed of focus

Detached Mode



User Scenario

- Check wound areas that cannot be seen in regular mode
- Get closer images
- Overcome the limitation of remotely control through the internet
- Different viewing angles

Advantages

- Turn into handheld camera in 1 second
- See details in short working distance (1cm @1X)
- Auto focus function
- One-click photo shooting with high resolution image
- Place the camera head wherever you want
- Support IR LED module for night view

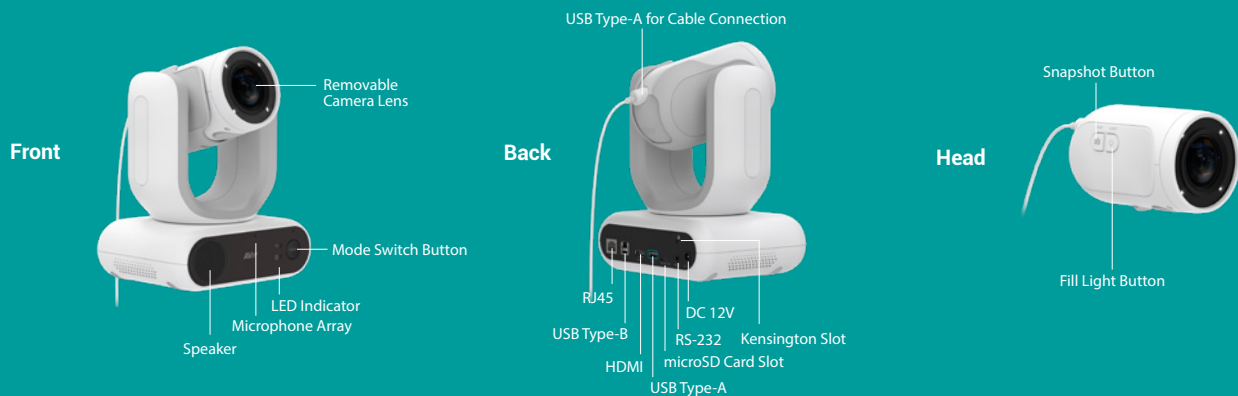
Product Specifications

Camera	Image Sensor	1/2.8" 1080p Exmor CMOS
	Effective Picture Elements	8MP
	Output Resolution	4K/30 (IP / UVC), 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/59.94, 720p/50
	Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)
	S/N Ratio	≥ 50 dB
	Gain	Auto, Manual
	Shutter Speed	1/1 to 1/10,000 sec
	Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
	White Balance	Auto, Manual
	Optical Zoom	30X
	Digital Zoom	3X
	Viewing Angles	DFOV: 72.9° (Wide) to 2.64° (Tele) HFOV: 65.1° (Wide) to 2.34° (Tele) VFOV: 38.4° (Wide) to 1.36° (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° / -35°
	Pan/Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec
	Preset Speed	Pan: 200° / sec, Tilt: 200° / sec
	Preset Position	10 (IR), 256 (RS-232 / IP)
	Camera Control - Protocols	VISCA (RS-232 / IP), PELCO-D & PELCO-P (RS-232), CGI (IP)
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	
Power Frequency	50 Hz, 60 Hz	
Audio	Embedded Speaker	Yes
	Microphone	Yes, Array Microphone
	AI Noise Reduction	Yes
Interface	Video Outputs	HDMI, IP, USB
	Audio Outputs	HDMI, IP, USB

General	Power Requirement	AC 100 - 240V to DC 12V/3.34A
	Power Consumption	36W
	Dimensions (W x H x D)	168.0 x 203.0 x 124.0 mm
	Net Weight	1.65kg
	Application	Indoor
	Tally Lamp	N/A
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Conditions	Temperature: 0 °C to +35 °C ; Humidity: 20% to 80%
	Storage Conditions	Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%
IP Streaming	Resolution	4K 30fps
	Network Video Compress Formats	H.264, H.265
	Maximum Frame Rate	4K 30fps
	Network Interface	10 / 100 / 1000 Base-T
	Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
USB	Connector	USB 3.0
	Video Format	MJPEG, YUY2
	Audio Format	PCM
	USB Video Class (UVC)	UVC 1.1
Software Tools	USB Audio Class (UAC)	UAC 1.0
	IP Search and Configuration Tool	Support Windows® 7 or later
Warranty	PTZ Monitoring and Management	AVer PTZ Management
	Camera	3 Years
Ordering Info	Accessories	1 Year
	Part Number	PATMD330U (MD330U - Camera with Built in LED) PAMD330UI (MD330UI - Camera with Built in Infrared Light)
Package Contents	Camera, Remote Control, Power Adapter, Power Cord, Screws (x2), USB Cable, Quick Start Guide	

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

Hardware Specifications



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