



# 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

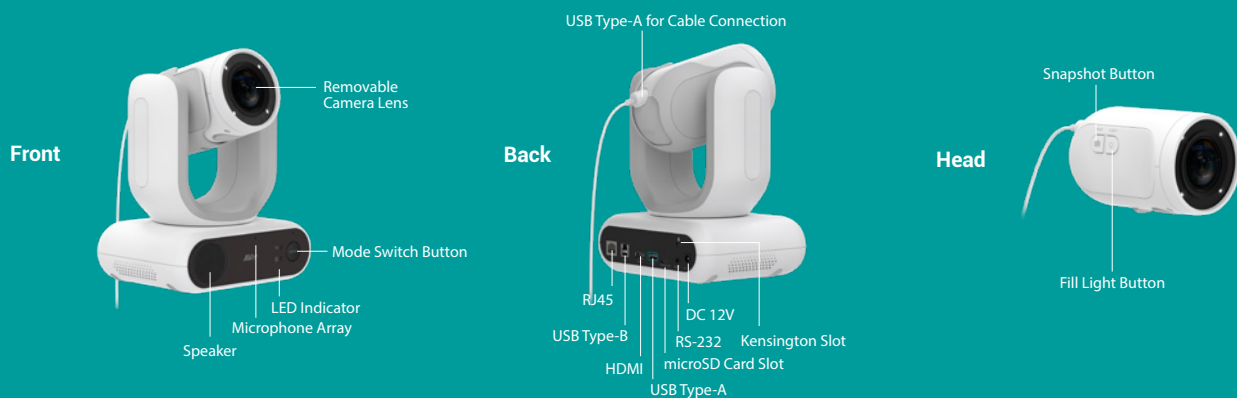
- Turn into handheld camera in 1 second
- See details in short working distance (1cm @1X)
- Auto focus function
- One-click photo shooting with high resolution image
- Place the camera head wherever you want
- Support IR LED module for night view

## Product Specifications

<b>Camera</b>	Image Sensor	1/2.8" Exmor CMOS	<b>General</b>	Power Requirement	AC 100 - 240V to DC 12V/3.34A	
	Effective Picture Elements	8MP		Power Consumption	36W	
	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		Dimensions (W x H x D)	168.0 x 203.0 x 124.0 mm	
	Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)		Net Weight	1.65kg	
	S/N Ratio	≥ 50 dB		Application	Indoor	
	Gain	Auto, Manual		Tally Lamp	N/A	
	Shutter Speed	1/1 to 1/10,000 sec		Security	Kensington Slot	
	Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR		Remote Control	Infrared	
	White Balance	Auto, Manual		Operating Conditions	Temperature: 0 °C to +35 °C ; Humidity: 20% to 80%	
	Optical Zoom	30X		Storage Conditions	Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%	
	Digital Zoom	3X		<b>IP Streaming</b>	Resolution	4K 30fps
	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)			Network Video Compress Formats	H.264, H.265
	Focal Length	f = 4.3 mm (Wide) to 129 mm (Tele)			Maximum Frame Rate	4K 30fps
	Aperture (Iris)	F = 1.6 (Wide) to 4.7 (Tele)			Network Interface	10 / 100 / 1000 Base-T
	Minimum Working Distance	0.01 m (Wide), 1.2 m (Tele)		Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)	
	Pan/Tilt Angles	Pan: ±170°, Tilt: +90° / -35°		Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP	
	Pan/Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec		<b>USB</b>	Connector	USB 3.0
	Preset Speed	Pan: 200° / sec, Tilt: 200° / sec			Video Format	MJPEG, YUY2
	Preset Postition	10 (IR), 256 (RS-232 / IP)			Audio Format	PCM
Camera Control - Protocols	VISCA (RS-232 / IP), PELCO-D & PELCO-P (RS-232), CGI (IP)	USB Video Class (UVC)	UVC 1.1			
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	USB Audio Class (UAC)	UAC 1.0			
Power Frequency	50 Hz, 60 Hz	<b>Software Tools</b>	IP Search and Configuration Tool	Support Windows® 7 or later		
<b>Audio</b>	Embedded Speaker		Yes	PTZ Monitoring and Management	AVer PTZ Management	
	Microphone	Yes, Array Microphone	<b>Warranty</b>	Camera	3 Years	
	AI Noise Reduction	Yes		Accessories	1 Year	
<b>Interface</b>	Video Outputs	HDMI, IP, USB	<b>Ordering Info</b>	Part Number	PATMD330U (MD330U - Camera with Built in LED) PAMD330UI (MD330UI - Camera with Built in Infrared Light)	
	Audio Outputs	HDMI, IP, USB		<b>Package Contents</b>	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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