



AVer MD330U

Medical Grade PTZ Camera

- 4K Output Resolution
- Infrared Function
- Embedded Audio System
- Detachable Camera
- Medical Grade

Product Specifications

Camera

Image Sensor	1/2.8" 1080p Exmor CMOS
Effective Picture Elements	8 Megapixels
Output Resolutions	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 Positions	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 Frequencies	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	1.65 kg
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
USB Audio Class (UAC)	UAC 1.0

Software Tools

IP Search and Configuration Tool	Support Windows® 7 or later
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Warranty

Camera	3 Years
Accessories	1 Year

Package Contents

Camera, Remote Control, Power Adapter, Power Cord, Screws (x2), USB Cable, Quick Start Guide

* The MD330U Series is available for LED sku and IR sku.

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

Product Appearance

Front



- 1 Removable Camera Len
- 2 Speaker
- 3 Microphone Array
- 4 LED Indicator
- 5 Mode Switch Button

Back



- 1 USB Type-A for Cable Connection
- 2 RJ45
- 3 USB 3.0 Type-B
- 4 HDMI
- 5 USB Type-A
- 6 microSD Card Slot
- 7 RS-232
- 8 DC 12V
- 9 Kensington Slot

Camera Head



- 1 Snapshot Button
- 2 Fill Light Button