AVONIC

CM32
PTZ CAMERA 4K 20X ZOOM



The essential 4K PTZ camera

The CM32 is Avonic's essential 4K PTZ camera, designed for high-quality video capture in fixed installations such as classrooms, meeting rooms, and houses of worship. It offers sharp 4K resolution, smooth PTZ control, tracking, and easy integration into AV systems. Focused on simplicity and strong core performance, the CM32 is ideal for everyday applications, built with the quality Avonic is known for.

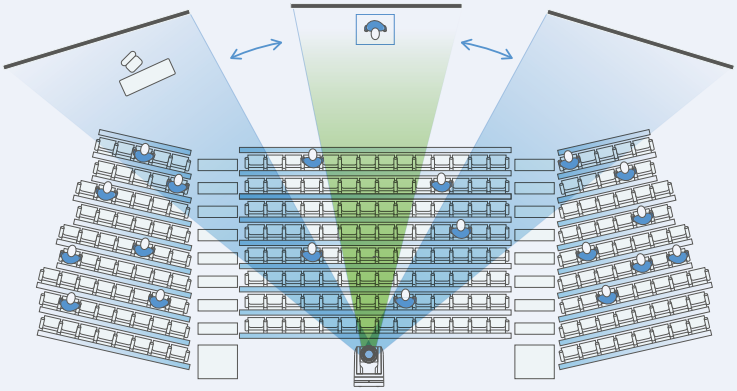
4K sensor

The CM32's 4K sensor delivers impressive clarity, also when outputting in Full HD. Enhanced detail and sharpness make every frame stand out. It captures crisp, detailed visuals that elevate any presentation or stream. Optimized for low-light settings, it performs reliably under any circumstance.

Features

- Tracking
- 4K & Full HD output
- 20x Zoom (4K) & 30x Zoom (HD)
- Simultaneous HDMI, USB & IP output
- Low-light performance
- High Pan/Tilt speed

TRACKING FEATURES



Hybrid Tracking



Presenter Tracking

SPECIFICATIONS

Camera

Resolution	Up to 4K30
Video Systems HDMI output	4k30, 4k25, 1080p60/59.94/50/30/29.97/25, 7020p60/59.94/50
Sensor	Sony 1/2.8",8.42MP, 16:9 High SNR CMOS Sensor
Shutter	Auto/ Manual 1/60th ~ 1/10000th
Scanning mode	Progressive
Zoom/Aperture/Focal length	20x Zoom (4K) & 30x Zoom (HD)/ F1.8 ~ F11/ 4.1mm ~ 43mm (+/-5%)
Minimal Illumination	0.5 LUX @F1.8
White Balance	Auto, Manual, One Push, Manual 2400 ~ 7100K in 100k steps
Backlight Compensation	Supported
Digital Noise Reduction	Supported
Signal Noise Ratio	>50 dB
Horizontal FOV	68.5° ~ 4.0°
Vertical FOV	40.5° ~ 2.0°
Horizontal rotation	+/- 170°
Vertical rotation	120° (30° down, 90° up)
Pan speed range	0.15° ~ 120° p/s
Tilt speed range	0.15° ~ 70° p/s
H&V image flip	supported
Number of presets	255 with 0.1 accuracy
Control	UVC, IR Remote, IP
Control protocol	UVC, IR Remote, IP; Visca over IP, HTTP API, ONVIF

IP Features

Video coding standard	H.265 / H.264 / MJPEG
H.265 Profiles	main
H.264 Profiles	base, main, high
Main stream resolution	3840x2160 / 1920x1080 / 1280x720
Main stream max frame-rate	30fps
Main stream bitrate	64 ~ 40960 Kbps
Sub stream resolution	1920x1080/ 1280x720 / 720x480/ 640x480/ 640x360/ 320x240 / 320x180
Sub stream max frame-rate	30fps max
Sub stream bitrate	64 ~ 40960 Kbps
Video bitrate type	CBR, VBR
Supported protocols	RTSP, RTMP, ONVIF, Multicast, Unicast

Input / Output Interface

HDMI output	HDMI up to 4K30
USB Output	USB3.0 Type B, 2160p30 max.
Network interface	RJ45 100 mbit.

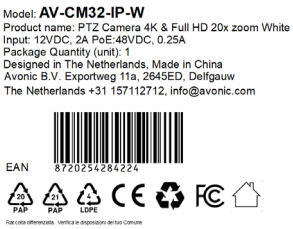
General specifications

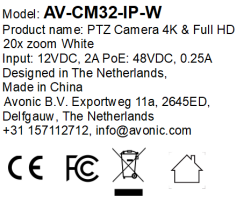
Input voltage	12V
PoE	PoE 802.3AT (PoE) at 15 watt
Power consumption	15W
Power supply	12V2A
Power connector	EIAJ-4 - Philmore 255 plug
Operating temperature	-5°C ~ 35°C
Storage temperature	-20°C ~ 60°C
Operating humidity	20% ~ 95% non-condensing
Bottom fastening screw thread	1/4" 20 UNC
Color	Black, White
Dimensions product wxhxd	13.3 x 18 x 15.3 cm. excl. connectors
Weight product	1.6 kgs
Dimensions box	26 x 24 x 24 cm
Included	power adapter, remote control, USB cable

SKU

Black	CM32-IP-B
White	CM32-IP-W
Included Features	Hybrid Tracking, Presenter Tracking

Product label markings





*Avonic's Optimal Zoom

This document contains preliminary information subject to change without notice and does not constitute a binding specification.