

# AV-CM40-IP



Avonic PTZ Camera 20x Zoom

The Avonic CM40-IP is a high-quality PTZ network camera with a fresh new design. The camera is extremely silent and gives a pristine video quality.

Our engineers in The Netherlands built the camera to last which results in the 3 year warranty on this camera.



## Features

**Lens:** High-quality glass lens, 20x optical zoom and 54.7° horizontal angle view.

**Low light:** High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.

**Full HD 1080p60:** With 1/2.8" high-quality CMOS sensor (2.07 Megapixel) the camera has a resolution of 1920 x 1080p60 and achieves a picture of great quality.

**Output:** 3G-SDI, HDMI, and IP (H.264/H.265) up to 1080p60. USB 2.0 up to 1080p30.

**Control:** Control the camera with common protocols: VISCA, Pelco-D/P via RS232, RS485, Visca over IP, or IR, remote control included.

**Presets:** Up to 255 presets with 0.1° accuracy.

**IP:** The camera can be powered using PoE and can be accessed by webGUI. Control the camera using VISCA over IP and stream the video over the network. Dual H265, H264 and MJPEG compression at a bitrate of 64Kbit to 40Mbps enabling Full HD video stream by ultra-low bandwidth over RTSP, RTMP, UDP and Multicast.

**Kensington Lock:** the CM40-IP is equipped with a standard Kensington Lock for theft prevention purposes.

## Applications

- Education
- Video Conferencing
- Broadcasting
- Live Events
- Churches
- Healthcare
- Courtroom
- And more

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# Specifications

## Camera

Video Systems	1920x1080 / 1280x720 p60/50/30/25/59.94/29.97 1920x1080 i60/50/59.94
Sensor	1/2.8"
Shutter	Auto, Manual
Scanning mode	Progressive, Interlaced
Lens	20x zoom
Minimal Illumination	0.5 (F1.8, AGC On)
White Balance	Auto, Manual, OnePush, 3000K-7000K in steps of 500K
Backlight Compensation	-
Digital Noise Reduction	2D & 3D DNR
Signal Noise Ratio	>55 dB
Horizontal angle	57° ~ 6.3°
Vertical angle	36.5° ~ 3.6°
Horizontal rotation	-170° ~ +170°
Vertical rotation	-30° ~ +90°
Pan speed range	0.1 ~ 72°/s
Tilt speed range	0.1 ~ 35°/s
H&V image flip	supported
Number of presets	255
Preset accuracy	0.1

## IP features

Video coding standard	H.265, H.264, MJPEG
H.265 Profiles	Main Profile
H.264 Profiles	Main, Base, High Profile
Main stream resolution	1080p60
Sub stream resolution	1080p30
Max frame rate	Main 60fps, Sub 30fps
Bit rate	64Kbps - 40960Mbps
Bit rate type	-
Audio standard	mp3, aac, G.711A
Audio rate	16Kbps - 48Kbps
Support protocols	RTSP, RTMP, RTP, HTTP, ONVIF, VISCA, VISCA OVER IP, PELCO D/P
Audio line in	3.5mm

## Input/Output Interface

HDMI output	1080p60
SDI output	1080p60, SMPTE 425M Level A, 8-bit YCbCr 4:2:2
DVI output	not supported
USB output	1080p30 USB2.0
SD output	not supported
Network interface	RJ45 for firmware update only
HDBaseT	not supported
Serial communication	RS232 8DIN + RS485 2pin Phoenix
Serial protocol	VISCA, PELCO-P, PELCO-D

## General specifications

Input voltage	12V
PoE	standard PoE
Power consumption	12W
Power supply	12V2A
Power connector	EIAJ-3 - Philmore 275 screw lock
Operating temperature	-5°C ~ 40°C
Storage temperature	-20°C ~ 60°C
Operating humidity	20% ~ 95%
Bottom fastening screw thread	1/4" 20 UNC
Color	White, Black
Dimensions product	132x180x153mm
Weight product	1.6 kg
Dimensions box	27x25x23cm
Weight box	2.5 kg
Included	power adapter, remote control, RS232 cable, USB2.0 cable (A-A)

## Versions

Black	AV-CM40-B
White	AV-CM40-W

