

AV-CM40

Avonic PTZ Camera 20x Zoom

The Avonic CM40 is a high-quality PTZ 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 Field of 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 up to 1080p60 and USB 2.0 up to 1080p30.

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

Presets: Up to 255 presets with 0.1° accuracy.

Applications

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

SPECIFICATIONS

Camera

Video Systems	1920x1080 / 1280x720 p60/50/30/25/59.94/29.97 1920x1080 i60/50/59.94
Sensor	1/2.8" CMOS, 2.07mp, 16:9
Shutter	Auto, Manual
Scanning mode	Progressive, Interlaced
Zoom/ Aperture/ Focal length	20x topical/ F1.6-F11/ 4.9-98 mm
Minimal Illumination	0.5 (F1.8, AGC On)
White Balance	Auto, Manual, OnePush, 3000K-7000K in steps of 500K
Backlight Compensation	supported
Digital Noise Reduction	2D & 3D DNR
Signal Noise Ratio	>55 dB
Horizontal FOV wide ~ tele	57° ~ 6.3°
Vertical FOV wide ~tele	36.5° ~ 3.6°
Horizontal rotation	-170° ~ +170°
Vertical rotation	-30° ~ +90°
Pan speed range	0.1 ~ 100°/s
Tilt speed range	0.1 ~ 70°/s
H&V image flip	supported
Number of presets	255
Preset accuracy	0.1
Audio line in	embeds audio on HDMI and SDI

Versions

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

Input/Output Interface

HDMI output	1080p60
SDI output	1080p60, SMPTE 425M Level A, 8-bit YCbCr 4:2:2
USB output	1080p30 USB2.0
Network interface	RJ45 for IP control and FW update
IP control protocol	Visca over IP
Line in	3.5mm female jack connector
Serial communication	RS232 8DIN + RS485 2pin Phoenix
Serial protocol	VISCA, PELCO-P, PELCO-D

General specifications

Input voltage	12V
PoE	no 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% non condensing
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), 2-way Phoenix RS485 connector

