

CM40

Avonic PTZ Camera 20x Zoom

The Avonic AV-CM40 is a high-quality PTZ camera with 20x optical zoom and a 54.7° horizontal field of view. Its High SNR CMOS combined with digital noise reduction makes this camera extremely silent and delivers a pristine video quality even under very low light conditions.

Designed for fixed installations and with the ability to install up to 255 presets with 0.1° accuracy. A high-quality PTZ Camera for numerous different applications containing many of the same specs as the CM70 series.



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
- Churches
- Video Conferencing
- Healthcare
- Broadcasting
- Courtroom
- Live Events
- 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 optical/ 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° ~ 3.3°
Vertical FOV wide ~tele	36.5° ~ 1.9°
Horizontal rotation	-170° ~ +170°
Vertical rotation	-30° ~ +90°
Pan speed range	0.1 ~ 120°/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
Line in	3.5mm female jack connector
Serial Protocol	VISCA, PELCO-D, PELCO-P
Serial communication	RS232 8DIN + RS485 2pin Phoenix
IP control protocol	VISCA OVER IP

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	Black, White
Dimensions product wxhxd	132x180x153mm
Weight product	1.6 kg
Dimensions box	27 x 25 x 23 cm
Weight box	2.5 kg
Included	power adapter, remote control, RS232 cable, USB2.0 cable (A-A), 2-way Phoenix RS485 connector



CE Marking



Back of the Camera

