

AV-CM60-IPX-BOX

Avonic Box Camera 20x Zoom IP White

The Avonic CM60-IPX-BOX is a high-quality Box camera, with an IP and 3G-SDI output. The camera is designed for fixed installations and works very well in low light conditions.

The camera is equipped with high quality components like a Panasonic CMOS sensor and a TAMRON glass lens with 20x optical zoom.

Control the camera over IP, RS232 or RS485 with any controller with VISCA or PELCO support.



Features

Lens: High-quality TAMRON glass lens, 20x optical zoom and 60.7° horizontal field of view.

Low light: High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.05 lux @ F1.8) conditions.

Full HD 1080p60: With Panasonic's 1/2.7" high-quality CMOS sensor (2.07 Megapixel) the camera has a resolution of 1920 x 1080p60 on SDI and achieves a picture of great quality.

Output: 3G-SDI, IP simultaneously video output.

Control: Control the camera with common protocols: VISCA , Pelco-D/P via RS485, IP (VISCA) or buttons on the back.

Presets: Up to 255 presets with 0.1° accuracy.

IP: The camera can be accessed by webGUI. Controlled by VISCA over IP and stream the video. H265, H264 and MJPEG compression at a bitrate up to 8Mbit enabling Full HD video stream up to 1080p30 by ultra-low bandwidth over RTSP, RTMP, UDP and Multicast.

Applications

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

Camera

SDI output resolution	1920x1080p60/i60/p30 1280x720p60
Sensor	1/2.7" CMOS, 2.07mp, 16:9
Shutter	Auto, Manual, 1/10000, 1/30
Scanning mode	Progressive, Interlaced
Lens	20x optical zoom , F1.8 - F2.8, 4.42 - 88.5mm
Minimal Illumination	0.05 (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 angle	60.7° ~ 3.36°
Vertical angle	34.1° ~ 1.89°
Number of presets	254
Preset accuracy	0.1°

IP features

Video coding standard	H.265 / H.264 / MJPEG
H.265 Profiles	main
H.264 Profiles	main, base, high
First stream output resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
First stream framerate	max. 30fps
Second stream output resolution	1280x720, 1024x576, 720x480, 720x408, 640x360, 480x270, 320x240, 320x180
Second stream framerate	max 30fps.
Bit rate	max 20480 kbps
Bit rate type	Variable, Fixed
Audio standard	AAC
Audio rate	256
Support protocols	RTSP, RTMP, ONVIF, VISCA over IP
Audio line in	3.5mm
Audio embedding	Only over IP

Input/Output Interface

SDI output	1080p60, SMPTE 425M level A, 8-bit RGB 4:2:2
Network interface	RJ45 100Mbps
Serial communication	RS485 3pin Phoenix
Serial protocol	VISCA, PELCO-P, PELCO-D

General specifications

Input voltage	12V
PoE	no PoE
Power consumption	12W
Power supply	12V1A
Power connector	EIAJ-3 - Philmore 275 plug
Operating temperature	-5°C ~ 40°C
Storage temperature	-20°C ~ 60°C
Bottom fastening screw thread	1/4" 20 UNC
Color	White
Dimensions product (L x W x H)	145 x 63 x 76mm
Weight product	640 gram
Dimensions box	240 x 123 x 115 mm
Weight box incl. product	870 gram
Included	power adapter

