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 angle 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 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 by ultra-low bandwidth over RTSP, RTMP, UDP and Multicast.

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, 1080p, 60fps
Sensor	1/2.7" CMOS, 2.07mp, 16:09
Shutter	Auto, Manual, 1/10000, 1/30
Scanning mode	Progressive, Interlaced
Lens	20x 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°
Horizontal rotation	does not apply
Vertical rotation	does not apply
Pan speed range	does not apply
Tilt speed range	does not apply
H&V image flip	supported
Number of presets	not supported
Preset accuracy	not supported

IP features

Video coding standard	H.265 / H.264 / MJPEG
H.265 Profiles	main
H.264 Profiles	main, base, high
Main stream resolution	1080
Sub stream resolution	576
Max frame rate	50
Bit rate	8192
Bit rate type	Variable, Fixed
Audio standard	AAC
Audio rate	256
Support protocols	RTSP, HTTP stream not supported, RTMP, ONVIF, VISCA over IP
Audio line in	3.5mm

Input/Output Interface

HDMI output	not supported
SDI output	1080p60, SMPTE 425M level A, 8-bit RGB 4:2:2
DVI output	not supported
USB output	not supported
SD output	not supported
Network interface	RJ45
HDBaseT	not supported
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
Operating humidity	TBD
Bottom fastening screw thread	1/4" 20 UNC
Color	White
Dimensions product	142x169x176mm
Weight product	1.5 kg
Dimensions box	24x12x11cm
Weight box	0.9 kg
Included	power adapter

Version 1.1