CM60-IPU

Avonic PTZ Camera 20x Zoom IP USB3.0 White

The Avonic CM60 is a high-quality PTZ camera, with an IP, HDMI, USB3.0 and CVBS 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: HDMI, USB3.0, IP simultaneously and CVBS output.

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

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	60.7º ~ 3.36º
Vertical angle	34.1º ~ 1.89º
Horizontal rotation	-170º~+170º
Vertical rotation	-30º~+90º
Pan speed range	1.7~100º/s
Tilt speed range	1.7~70º/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
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	1080p60
SDI output	not supported
DVI output	not supported
USB output	USB3.0
SD output	CVBS (RCA Jack max 576i)
Network interface	RJ45
HDBaseT	not supported
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-4 - Philmore 255 plug
Operating temperature	-5ºC ~ 40ºC
Storage temperature	-20ºC ~ 60ºC
Operating humidity	TBD
Bottom fastening screw thread	1/4" 20 UNC
Color	White
Dimensions product	142x169x176mm
Weight product	1.5 kg
Dimensions box	26x24x24cm
Weight box	2.4 kg
Included	power adapter, remote control, RS232 cable, USB 3.0 cable