CM60-IP

HD PTZ Cameras

The Avonic CM-series cameras are designed for fixed installations. Without concessions on quality, these cameras are an affordable choice for many installations.

The cameras are equipped with a Panasonic CMOS sensor combined with a TAMRON high-quality glass lens with 20x optical zoom.

Control these cameras over RS232/485 with the Avonic CM-CON100 PTZ controller or any third party controller that supports VISCA, Pelco-P/D protocols.

Description

These high-quality conference video cameras, with resolutions up to 1080p/60 and h.265 encoded ultra-low bandwidth video streams, have adopted Panasonics HD CMOS sensor, which produces high-quality images. The high SNR (55dB) of the CMOS sensor combined with 2D and 3D noise reduction algorithms, effectively reduce the noise, even under low light conditions. Supports HDMI, 3G-SDI and CVBS output with high effective transmission distances. Equipped with TAMRON's high-quality telephoto lens, with 20x optical zoom. Using RS232/485 interface or over IP, all the parameters of the camera can be remote-controlled.

Main Features

- ↘ H.264 / H.265 support
- ↘ 1080P Full HD
- ↘ Up to 60 fps
- ↘ 20x optical zoom
- ↘ Remote control included

- ↘ IP/PoE
- ↘ 3G-SDI interface
- ↘ Support standard VISCA & Pelco
- ↘ Digital noise reduction
- ↘ 0.05 lux Minimal Illumination

Version 2.1

CM60-IP

Camera

Video Systems	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Sensor	1/2.7", CMOS, Effective pixel: 2.07M
Shutter	1/30s ~ 1/10000s
Scanning Mode	Progressive
Lens	20x, f4.42mm ~ 88.5 mm, F1.8 ~ F2.8
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
White Balance	Auto, Indoor, Outdoor, One-Push, Manual
Backlight Compensation	Supported
Digital Noise reduction	2D&3D Digital noise reduction
S/N	>/55dB
Horizontal angle	60.7° ~ 3.36°
Vertical angle	34.1° ~ 1.89°
Horizontal rotation	+- 170 °
Vertical rotation	30° ~ 90°
Pan speed range	1.7° ~ 100°/s
Tilt speed range	1.7° ~ 69.9°/s
Ceiling installation	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	base, main, high
Web stream	Main stream, sub stream
Main stream resolution	1920x1080, 1280x720
Sub stream resolution	720x480, 320x240
Bit rate	128K, 256K, 384K, 512K, 768K, 1024K, 1536K, 2048K, 3072K, 4096K, 5120K, 6144K, 8192K optional, customize
Bit rate type	Variable rate, fixed rate
Audio standard	AAC
Audio rate	96K, 128K, 256K
Support protocols	TCP/IP, HTTP, DDNS, RTSP, PPPoE, SMTP, UPnP, SNMP
IFrame gab	Customizable

Input/Output Interface

HDMI output	HDMI version 1.3
SDI output	3G-SDI:BNC type, 800m Vp-p, 75 Ohm, Along to SMPTE 424M
USB output	-
SD output	CVBS: RCA Jack, 1Vp-p, 75 Ohm, only 480i or 576i, not simultaneous with other outputs
Network interface	RJ45: 10M/100M Adaptive Ethernet ports
Audio interface	1-ch 3.5mm audio interface, LINE IN, for IP embedding
USB	USB 2.0 for firmware update
RS-232 IN	8pin Min DIN, Max distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
RS-232 OUT	8pin Min DIN, Max distance: 30m, Protocol: VISCA network use only
RS-485	2pin Phoenix port, Max distance: 1200m Protocol: VISCA/Pelco-D/Pelco-P
Power jack	JEITA type (DC IN 12V)

General specifications

Input voltage	DC 12V / PoE (802.3af)
Current consumption	2.0A (max)
Power consumption	12W (max)
Operating temperature	-5° ~ 40°C
Storage temperature	-20° ~ 60°C
Color	Black
Dimensions product	142mm x 169mm x 176mm
Weight product	1.5 kg
Dimensions box	230mm x 230mm x 250mm
Weight box	2.4 kg
Included	Remote control / Power / RS232 cable

CM60-IP

LINE IN   CVBS   SYSTEM SELECT   RS485   IN   RS232   OUT   ON

LAN   HDMI   HD-SDI   USB 2.0   DC 12V   OFF