

CM60-IPX-BOX

HD fixed 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 lens with 20x optical zoom.

The CM60-IPX-BOX can output video over 3G-SDI and IP simultaneously. Control this camera over RS-485 or IP.



Features

- 20x Optical Zoom. TAMRON high quality super telephoto lens.
- H.264 and H.265 Support, enabling full HD 1080p/60fps video stream by ultra-low bandwidth, lag-time within 200ms.
- 1080P Full HD, Panasonic 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor.
- Double Interface, 3G-SDI interface and IP streaming at the same time.
- Ultra-high Frame Rate up to 60fps in 1080P or even up to 120fps output in 720P over IP only.
- AAC Audio Encoding, better sound quality and smaller bandwidth.
- Low-light, high SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions.
- ICR Infrared Filter with auto switch, keep watch over day and night.

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Specifications	CM60-IPX-BOX
Video System	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/120 (supported by network only), 720p/60, 720p/50, 720p/30, 720p/25
Sensor	Panasonic 1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	TAMRON 20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8
Digital Zoom	16x
Horizontal Angle of View	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Day-night Mode	IR cut filter with auto switch
Digital Noise Reduction	2D,3D digital noise reduction
Backlight Compensation	Support
Image Freeze	Support
PoE	No Support
Ceiling Installation	Support
IP Features	
Video Compression	H.265/H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps, 720p120: 120fps, 640x480p240: 240fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/Output Interface	
HD Output	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45:10M/100M adaptive Ethernet ports
Audio Interface	1-ch: 3.5mm Audio Interface, Line In 1-ch: 3.5mm Audio Interface, Line Out
Communication interface	1xRS485:Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Connector	JEITA (DC IN 12V)
Reset Button	Support
General specification	
Input Voltage	DC 12V
Current Consumption	0.5A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	6W (Max)
Size	138.5mm x 76.8mm x 60.3mm
Net Weight	650Kg (1.4lb)