

Summary

A 8MP(4K) CCTV Dome camera is a type of security camera that is designed for both indoor and outdoor surveillance. It has a resolution of 3840 x 2160 pixels, which is eight times the resolution of a standard 1080p camera at 25 and 30 FPS. This high resolution allows for crystal clear images and video footage. Additionally, the camera typically comes with night vision capabilities, infrared LEDs, and a weatherproof design that makes it ideal for use in harsh weather conditions. It can also be connected to a network, allowing for remote viewing and monitoring via a smartphone or computer. The camera is easy to install and can be powered by a wired connection or Power over Ethernet (PoE).



Camera Key Features

- **High resolution:** A 8MP(4K) Dome camera captures images with a resolution of 2560 x 1920 pixels, providing clear and detailed footage.
- **Night vision:** Most 8MP(4K) Dome cameras come with infrared LEDs that provide clear night vision, making it possible to monitor the premises even in low light conditions.
- **Weatherproof:** A 8MP(4K) Dome camera is designed to be weatherproof and can withstand harsh weather conditions, making it suitable for outdoor surveillance.
- **Wide-angle lens:** Many 8MP(4K) Dome cameras come with a wide-angle lens that can capture a larger area, providing a wider field of view.
- **Smart :**
People Counting, support tripwire people counting and area people counting

Smart intrusion Prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection

Exception Detection and Statistics, include Object Removed, Object Left Behind, Defocus, Scene Change

- **Remote access:** A 8MP(4K) Dome camera can be connected to a network, allowing for remote viewing and monitoring of the footage from a smartphone, tablet or computer.
- **Motion detection:** Some 8MP(4K) Dome cameras come with motion detection technology, which alerts the user when motion is detected within the camera's field of view.
- **Easy installation:** Dome cameras are typically easy to install, and can be mounted on a wall or ceiling using a bracket. They can be powered by either a wired connection or via Power over Ethernet (PoE).



Technical Specifications

Model Number	IPCX8MP(4K)DM-2KCV
Camera	
Sensor	1/1.8", 8.0 megapixel, progressive scan, CMOS
Lens	2.7mm to 13.5mm, Motorized,25/30 FPS
Iris	Auto aperture with P-Iris
Field of View	42.6°~114.7°
Field of View	23.1°~59°
Field of View	49.9°~128.1°
Shutter	Auto/Manual, 1 ~ 1/100000s
Min. Illumination	Colour:0.0005lux (F1.2, AGC ON) 0 lux with IR
WDR	120dB
Day/Night	IR-cut filter with auto switch (ICR)
S/N	>55dB
IR Range	Up to 70m IR range
Wavelength	850nm
IR On/Off	Auto/Manual
Video	
Video	Ultra 265,H.265,H.264,MJPEG
Video Features	EIS, Slow Shutter and Audio Noise Reduction, Defog, Corridor Pattern
Video Bit Rate	128 Kbps~16 Mbps, CBR, CVBR,VBR
Video stream	Five streams
OSD	Up to 8 OSDs
Privacy Mask	Up to 8 areas (8 blacks / 8 mosaics)
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise	2D/3D DNR
Smart Image	Date and time stamp ROI, Sharpen ,Saturation, Brightness, Contrast, white balance, text overlay
Flip	Normal/Flip Vertical/Flip Horizontal/180°/90°Clockwise/90°Anti-clockwise,Video Rotation, Mirror
HLC	Support
BLC	Support
Smart	
Smart intrusion Prevention	Support false alarm filtering, Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection



Exception Detection And	Object Removed, Object Left Behind, Defocus, Scene Change
Statistical Analysis	People counting, support tripwire people counting and area people counting
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User
Audio	
Audio Compression	G.711U,G.711A
Two way audio	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR,NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP
Compatible	ONVIF (Profile S, Profile G, Profile T), API
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Interface	
Audio I/O	Audio cable
	1 Input: impedance 35kΩ; amplitude 2V [p-p]
	1 output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	2/1
Network	1 x RJ45 10M/100M/1000M Base-TX Ethernet
Serial Port	1 RS485,1 X CVBS video output
Certifications	
Certifications	UL, CE, FCC, RoHS, WEEE, REACH
Protection	IP67 , IK10
General	
Power	AC24V±25%, DC12V(-10%~+25%), PoE(IEEE802.3at), PoE & 24V AC
	Power consumption: Max 12W
	Support overcurrent protection, Input short circuit protection
Dimensions (∅ x H)	∅308.4x106.1x98.9mm
Net Weight	1.60kg(3.72lb)
Material	Metal
Working	-40°C ~60°C (-40°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage	-40°C ~70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)

