IPC-CD2C20M-ZS

2MP IR Mini-Dome Network Camera



System Overview

Cooper IP is perfect for small to medium size applications like home/ residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

Cooper IP is fully in line with Dahua's quality. Stable and reliable components are utilized and Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

Functions

Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting out images as they come closer to the camera. The camera's integrated infrared illumination

- · 1/2.7" 2Megapixel progressive CMOS
- · H.265+ & H.265 dual-stream encoding
- · 25/30fps@1080P(1920×1080)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.8~12mm varifocal lens
- · Max IR LEDs Length 30m
- · Micro SD card memory, IP67, PoE



provides high performance in extreme low-light environments up to 30m (98ft).

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity.

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67).

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Technical Specification

Camera						
Image Sensor		1/2.7" 2Megapixel progresive CMOS				
Effective Pixels		1920(H)x1080(V)				
RAM/ROM		64MB/16MB				
Scanning System	ı	Progressive				
Electronic Shutte	er Speed	Auto/Manual, 1/3~1/100000s				
Minimum Illumination		0.05Lux/F1.8(Color,1/3s,30IRE) 0.3Lux/F1.8(Color,1/30s,30IRE) 0Lux/F1.8(IR on)				
S/N Ratio		More than 50dB				
IR Distance		Distance up to 30m(98ft)				
IR On/Off Contro	ol	Auto/ Manual				
IR LEDs		2				
Lens						
Lens Type		Motorized				
Mount Type		Board-in				
Focal Length		2.8mm~12mm				
Max. Aperture		F1.8				
Angle of View		H:105°~33°, V:56°~18°				
Focus Control		Motorized				
Close Focus Distance		0.2m(0.66ft)				
	Lens	Detect	Observe	Recognize	Identify	
DORI Distance	W	44m(144.4ft)	17.6m(57.7ft)	8.8m(28.9ft)	4.4m(14.4ft)	
	т	133m(436.4ft)	53m(173.9ft)	27m(88.6ft)	13m(42.7ft)	
PTZ						
Pan/Tilt Range		Pan:0° ~355° ;Tilt:0° ~75° ;Rotation:0° ~355°				
Intelligence						
Event Trigger		Motion detection, Video tampering , Network disconnection , Scene change, IP address conflict, Illegal Access, Storage anomaly				
Video						
Compression		H.265/H.264/H.264B/MJPEG(Sub Stream)				
Smart Codec		Support H.265+/H.264+				
Streaming Capability		2 Streams				
Resolution		1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/ VGA(640×480)/D1(704×576/704×480)/CIF(352×288/352×240)				
Frame Rate		Main Stream: 1080P(1 ~ 25/30fps)				
		Sub Stream: D1(1 ~ 25/30fps)				
Bit Rate Control		CBR/VBR				
Bit Rate			H.264: 32K~6144K H.265: 12K~ 6144K			
		H.265: 12K~ 6144K				

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RS485 N/A Alarm N/A Electrical DC12V, PoE (802.3af)(Class 0) Power Consumption DC12V: 1.9W, 2.2W(IR On)	Video Interface	N/A		
Alarm N/A Electrical DC12V, PoE (802.3af)(Class 0) Power Consumption DC12V: 1.9W, 2.2W(IR On)	Audio Interface	N/A		
Electrical Power Supply DC12V, PoE (802.3af)(Class 0) DC12V: 1.9W, 2.2W(IR On)	RS485	N/A		
Power Supply DC12V, PoE (802.3af)(Class 0) DC12V: 1.9W, 2.2W(IR On)	Alarm	N/A		
DC12V: 1.9W, 2.2W(IR On)	Electrical			
	Power Supply	DC12V, PoE (802.3af)(Class 0)		
	Power Consumption			

Cooper IP Series | IPC-CD2C20M-Z-2812S

Environmental

Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH			
Strorage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	N/A			
Construction				
Casing	Metal			
Dimensions	¢122mm×88.9mm(4.80''x3.50'')			
Net Weight	0.45Kg (0.99lb)			
Gross Weight	0.6Kg (1.24lb)			

Ordering Information

Туре	Part Number	Description	
2MP Camera	IPC-CD2C20MP-ZS	2MP IR Mini-Dome Network Camera, PAL	
	IPC-CD2C20MN-ZS	2MP IR Mini-Dome Network Camera, NTSC	
Accessories (optional)	PFA137	Junction box	
	PFB203W	Wall mount	
	PFA152-E	Pole mount	
	PFA106	Ceiling mount	
	PFB220C	Ceiling mount	
	PFA200W	Rain Shade	

Accessories

Optional:





PFA152-E Pole mount



PFA106 Ceiling Mount

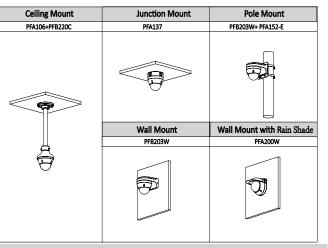
PFA137 Junction Box

PFB220C Ceiling Mount









Dimensions (mm/inch)

