

DH-PTZ1C203UE-GN-W

2MP 3X Starlight IR PTZ Wi-Fi Network Camera



System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, the camera provides a wide monitoring range and great detail. The camera delivers 1080P resolution at 25/30fps. The camera is equipped with smooth control, high quality image, and good protection, meeting compact size demands of video surveillance applications.

Functions

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

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. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for 4KV lightning rating, which provides effective protection for both the camera and its structure against lightning.

Interoperability

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

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 3x optical zoom
- · Starlight technology
- · Max. 25/30fps@1080P
- · IVS
- · WDR
- · H.265 Encoding
- · Support Wi-Fi
- · IR distance up to 20m
- · IP66













Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec 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 H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Technical Specification					Bit Rate Control	Variable Bit Rate/Constant Bit Rate
Camera					Video Bit Rate	H.264: 216 Kbps-8192 Kbps H.265: 108 Kbps-8192 Kbps
Image Sensor	1/2.8" STAR	/IS™ CMOS			Day/Night	ICR
Max. Resolution	2MP					
Effective Pixels	1920 (H) × 1080 (V)				BLC	Support
ROM	128MB				WDR	120dB
RAM	256MB				HLC	Support
Electronic Shutter Speed	1/3-1/3000	0s			White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/ Natural/Street lamp
Minimum Illumination	Color: 0.005Lux@F1.8 B/W: 0.0005Lux@F1.8 OLux (IR light on)				Gain Control	Auto/Manual
ID Distance					Noise Reduction	2D/3D
IR Distance	20 m (65.6 ft				Motion Detection	Support
IR On/Off Control		/lanual/Smarti	К		Region of Interest (RoI)	Support
IR LED Number	1	1			Electronic Image Stabilization	Support
Lens	15				Defog	Electronic Defog
Focal Length	2.7mm-8.1n	2.7mm-8.1mm			Digital Zoom	16x
Aperture	F1.8-F2.7				Audio	
Field of View	H: 46.43°-10 V: 25.91°-57				Audio Compression	G.711A; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729
Optical Zoom	3x	3x			Audio In	1
Focus Control	Auto/Semi-A	Auto/Manual			Audio Out	1
Close Focus Distance	Distance 0.8 m–1.7 m				Network	
Iris Control	Fixed Iris	Fixed Iris			Ethernet Port	1 RJ-45 Port 10/100Base-T
DORI Distance	Detect 101.4 m (332.68 ft)	Observe 40.6 m (133.20 ft)	Recognize 20.3 m (66.60 ft)	Identify 10.1m (33.14 ft)	Network Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; SNMPv1/v2c/v3(MIB-2); ARP; RTCP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE
PTZ	,	(332.0011) (133.2011) (00.0011) (33.1411)			Interoperability	ONVIF; CGI
Pan/Tilt Range	Pan: 0°–180°	'; Tilt: -5°–+55	0		Streaming Method	Unicast/Multicast
Manual Control Speed	Pan: 6°/s; Til	,			User/Host	20 (Total bandwidth 48M)
Intelligence					Edge Storage	FTP; Micro SD card (256G); P2P
IVS	Tripwire; Int	rusion; Object	Abandoned/N	Missing	Browser	IE7 and newer versions Chrome 42 and older versions Firefox 52 and older versions
Advanced Intelligence	Face Detecti	on; Heat Map				Safari Smart player
Video	/ideo				Management Software	Configtool SMART PSS DMSS
Video Compression	H.265; H.264BaselineProfile; H.264MainProfile; H.264HighProfile; MJPEG; H.265 +; H.264+					DSS
Streaming Capability	3 Streams				Certifications	
Resolution	1080P (1920×1080); 1.3M (1280×960); 720P (1280×720); D1 (704×576); CIF (352×288)				Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014
	Main Stream		Of)		Electrical	
Video Frame Rate	Sub Stream		urps)		Power Supply	DC12V/1.5A±10%
	D1/CIF(1–25 Sub Stream 2 720P/D1/CIF				Power Consumption	7W 11W (PTZ, IR light)

Environmental

Operating Conditions	−30°C to +60°C (−22°F to 140°F)
Operating Humidity	≤95% RH
Ingress Protection	IP66; TVS 4000V lightning protection; surge protection

Construction

Housing Material	Aluminium alloy ADC12
Dimensions	Wall mounted: 195.3 mm×90 mm×102.7 mm (7.69"×3.54"×4.04") Ceiling mounted: 190.8 mm×90 mm×112.2 mm (7.51"×3.54"×4.12")
Weight	Net Weight: 0.9 kg (1.98 lb); Gross Weight: 1.2 kg (2.65 lb)

Ordering Information					
Туре	Model	Description			
2MP PTZ Camera	DH-PTZ1C203UE- GN-W	2MP 3X Starlight IR PTZ Wi-Fi Network Camera, WDR, PAL			
	DH-PTZ1C203UEN- GN-W	2MP 3X Starlight IR PTZ Wi-Fi Network Camera, WDR, NTSC			
	PTZ1C203UE-GN-W	2MP 3X Starlight IR PTZ Wi-Fi Network Camera, WDR, PAL			
	PTZ1C203UEN- GN-W	2MP 3X Starlight IR PTZ Wi-Fi Network Camera, WDR, NTSC			
Accessories	PFA731	Junction Box (wall-mount)			
	DC12V/2A	Power Adapter			

Accessories

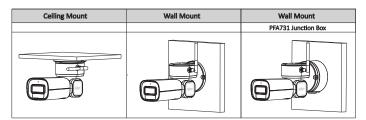
Optional:





PFA731 Junction Box (wall-mount)

DC12V/2A Power Adapter



Dimensions (mm/inch)

