

DH-SD22204UE-GN

2MP 4x Starlight PTZ Network Camera



- · 1/2.8" STARVIS™ CMOS
- · Powerful 4x optical zoom
- · Support triple-streams encoding
- · WDR, Day/Night(ICR), Ultra DNR
- · Max. 25/30fps@1080P
- · Max 100°/s pan speed
- · IVS
- · Support PoE
- · IP66, IK10













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 2MP 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

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.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering

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. The camera complies with the IK10 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Interoperability

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



Technical Spec	ification				IVS
Camera				Advanced Intelligent Functions	
Image Sensor 1/2.8" STARVIS™ CMOS				Video	
Effective Pixels 1920(H) x 1080(V), 2 Mega _l		Megapixels		Compression	
RAM/ROM		256M/128M			Streaming Capability
Electronic Shutter Speed		1/1s~1/30,000s			Resolution
Scanning System		Progressive			
Minimum Illumination		Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6			Frame Rate
IR Distance		N/A			
IR On/Off Control		N/A		Bit Rate	· Control
IR LEDs		N/A		Bit Rate	
ens.				віт кате	
Focal Length		2.7mm~11mm		Day/Night	
Max. Aperture		F1.6		Backlight Compensation	
Angle of View		H: 112.5° ~ 30°		White Balance	
Optical Zoom		4x		Gain Control	
Focus Control		Auto/Manual		Noise Reduction	
Close Focus Distance		100mm~ 1000mm		Motion Detection	
DORI Distance				Region of Interest	
*Note: The DORI dist	ance is a "gene	ral proximity" of dist	ance which makes it easy to	Electronic Image Stabilization (EIS)	1
	and lab test resi	ult according to EN 6	nce is calculated based on 2676-4 which defines the ectively.	Defog	
Detect	Observe	Recognize	Identify	Digital Zoom	
124.1m(407ft)	49.7m(163ft)	24.8m(81ft)	12.4m(40ft)	Flip	
PTZ	(2007)	(0210)		Privacy Masking	
Pan/Tilt Range		Pan: 0° ~ 355° Til+ (° ~ 90°	Network	
Manual Control Spee	ed.	Pan: 0° ~ 355°; Tilt: 0° ~ 90° Pan: 0.1° ~100° /s; Tilt: 0.1° ~60° /s		Ethernet	
·	.u			Wi-Fi	
Preset Speed Presets		Pan: 100° /s; Tilt: 60° /s 300		Protocol	
PTZ Mode		8 Tour(up to 32 preset per tour)		Interoperability	
Speed Setup		Human-oriented focal Length/ speed adaptation		Streaming Method	
Power up Action		Auto restore to previous PTZ and lens status after power failure		Max. User Access	
Idle Motion		Activate Preset/Tour if there is no command in the specified period		Edge Storage	
Protocol		DH-SD		Web Viewer	
Intelligence			Management Software		
Event Trigger		Motion detection, Video tampering, Network disconnection, IP address conflict, Illegal access, Storage anomaly		Smart Phone	
				Certifications	
Auto Tracking		N/A		Certifications	

Interface

Video Interface	N/A
RS485	N/A
Audio I/O	N/A
Alarm I/O	N/A

Electrical

Power Supply	DC 12V/1.5A, PoE(802.3af)
Power Consumption	5.5W

Environmental

Operating Conditions	-30°C $^{\sim}$ 60°C (-22°F $^{\sim}$ +140°F) / Less than 95% RH	
Ingress Protection	IP66	
Vandal Resistance	IK10	

Construction

Casing	Metal
Dimensions	Ф122 (mm) x 89 (mm)
Net Weight	0.52kg(1.23lb)
Gross Weight	0.73kg(1.61lb)

Ordering Information Type Part Number Description 2MP 4x Starlight PTZ Network DH-SD2220UE-GN Camera, WDR, PAL 2MP 4x Starlight PTZ Network DH-SD22204UEN-GN Camera, WDR, NTSC 2MP PTZ Camera 2MP 4x Starlight PTZ Network SD22204UE-GN Camera, WDR, PAL 2MP 4x Starlight PTZ Network SD22204UEN-GN Camera, WDR, NTSC PFA137 Mount Adapter DC12V/2A Power Adapter PFB203W Wall Mount Accessories PFB200C In-ceiling Mount PFA152-E Pole Mount

Accessories

Optional:







PFA137 Mount Adapter

Power Adapter

PFB203W Wall Mount





Pole Mount

PFB200C Ceiling Mount

Wall Mount	In-ceiling Mount	
PFB203W	PFB200C	
Junction Box Mount	Pole Mount	
PFA137	PFB203W + PFA152-E	

Dimensions (mm)



