

DH-SD42C212T-HN 2MP 12x PTZ Network Camera



- · 1/2.7" 2Megapixel CMOS
- · Powerful 12x optical zoom
- · Support Triple-streams encoding
- · Max. 25/30fps@1080P, 25/30/50/60fps@720P
- · IVS(Optional)
- · Support PoE+
- · IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD42C series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 12x optical zoom. SD42C series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140°F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 2KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

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



Lite Series | DH-SD42C212T-HN

Technical Specification

Camera

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IVS (optional) Tripwire, Intrusion, Abandoned/Missing, Face Detection Video	Intelligence				
Nos (optional) Detection Video H.264+/H.264 / MJPEG Streaming Capability 3 Streams Resolution 1080P(1920×1080)/720P(1280×720)/D1(704×576/ 704×480)/CIF(352×288/352×240) Frame Rate Main stream 1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps) Sub stream1 D1/CIF(1 ~ 25/30fps)	Auto Tracking		N/A		
Compression H.264+/H.264 / MJPEG Streaming Capability 3 Streams Resolution 1080P(1920×1080)/720P(1280×720)/D1(704×576/ 704×480)/CIF(352×288/352×240) Frame Rate Main stream 1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps) Frame Rate Sub stream1 D1/CIF(1 ~ 25/30fps)	IVS (optional)				
Streaming Capability 3 Streams Resolution 1080P(1920×1080)/720P(1280×720)/D1(704×576/ 704×480)/CIF(352×288/352×240) Main stream 1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps) Frame Rate Sub stream1 D1/CIF(1 ~ 25/30fps)	Video				
Resolution 1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240) Main stream 1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps) Frame Rate Sub stream1 D1/CIF(1 ~ 25/30fps)	Compression		H.264+/H.264 / MJPEG		
Resolution 704×480)/CIF(352×288/352×240) Main stream 1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps) Frame Rate Sub stream1 D1/CIF(1 ~ 25/30fps)	Streaming Capability		3 Streams		
Frame Rate Sub stream1 D1/CIF(1 ~ 25/30fps)	Resolution				
		Main stream	1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps)		
Sub stream2 720P/D1/CIF (1 ~ 25/30fps)	Frame Rate	Sub stream1	D1/CIF(1 ~ 25/30fps)		
		Sub stream2	720P/D1/CIF (1 ~ 25/30fps)		

Bit Rate Control	CBR/VBR			
Bit Rate	H.264+/H.264: 448K ~ 8192Kbps, MJPEG: 5120K ~ 10240Kbps			
Day/Night	Auto(ICR) / Color / B/W			
Backlight Compensation	BLC / HLC / WDR(120dB)			
White Balance	Auto,ATW,Indoor,Outdoor,Manual			
Gain Control	Auto / Manual			
Noise Reduction	Ultra DNR (2D/3D)			
Motion Detetion	Support			
Region of Interest	Support			
Electronic Image Stabilization (EIS)	N/A			
Defog	Support			
Digital Zoom	16x			
Flip	180°			
Privacy Masking	Up to 24 areas			
Audio				
Compression	G.711a/G.711mu/PCM			
Network				
Ethernet	RJ-45 (10/100Base-T)			
Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, UDP,UPnP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, NTP,DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x			
Interoperability	ONVIF, PSIA, CGI			
Streaming Method	Unicast / Multicast			
Max. User Access	20 users			
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, 128GB			
Web Viewer	IE10/Google/Firefox/Safari			
Management Software	Smart PSS, DSS			
Smart Phone	iPhone, iPad, Android, Windows Phone			
Certifications				
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1			
Interface				
Video Interface	N/A			
Audio Interface	1/1			
RS485	N/A			
Alarm	2/1			
Electrical				
Power Supply	AC24V/1.5A(±10%), PoE+(802.3at)			
Power Consumption	12W			

Lite Series | DH-SD42C212T-HN

Environmental

Operating Conditions	-30°C $^{\sim}$ 60°C (-22°F $^{\sim}$ +140°F) / Less than 90% RH			
Ingress Protection	N/A			
Vandal Resistance	IK10			
Construction				
Casing	Metal			
Dimensions	Φ198(mm)×158(mm)			
Net Weight	2.3kg(5.07lb)			
Gross Weight	3.3kg(7.28lb)			

Ordering Information

Туре	Part Number	Description
2MP PTZ Camera	DH-SD42C212T-HN	2MP 12x PTZ Network Camera, WDR, PAL
	DH-SD42C212TN-HN	2MP 12x PTZ Network Camera, WDR, NTSC
	SD42C212T-HN	2MP 12x PTZ Network Camera, WDR, PAL
	SD42C212TN-HN	2MP 12x PTZ Network Camera, WDR, NTSC
Accessories	AC24V/1.5A	Power Supply

Accessories

Included:



AC24V/1.5A Power Supply

Dimensions (mm)



