



DH-SD40A212TN-HN(I)

2MP 12x PTZ Network Camera



- · 1/2.7" 2Megapixel CMOS
- · Powerful 12x optical zoom
- Support Triple-streams encoding
- · Max. 30fps@1080P, 30/60fps@720P
- · IVS(Optional)
- · Support PoE+
- · IP66, IK10











System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD40 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 30 fps, with 12x optical zoom. SD40 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 -40 °C to +60 °C (-40 °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. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV 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-SD40A212TN-HN(I)

Camera		
Image Sensor		1/2.7" CMOS
Effective Pixels		1920(H) x 1080(V), 2 Megapixels
RAM/ROM		256M/128M
Scanning System		Progressive
Minimum Illumination		Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
S/N Ratio		More than 55dB
IR Distance		N/A
IR On/Off Control		N/A
IR LEDs		N/A
Lens		
Focal Length		5.1mm~61.2mm
Max. Aperture		F1.6 ~ F3.0
Angle of View		H: 59.3° ~ 5.2°
Optical Zoom		12x
Focus Control		Auto/Manual
Close Focus Distance		100mm~ 1000mm
PTZ		
Pan/Tilt Range		Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto flip 180°
Manual Control	Speed	Pan: 0.1° ~300° /s; Tilt: 0.1° ~120° /s
Preset Speed		Pan: 300° /s; Tilt: 200° /s
Presets		300
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup		Human-oriented focal Length/ speed adaptation
Power up Action		Auto restore to previous PTZ and lens status after power failure
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Protocol		DH-SD
Intelligence(opti	onal)	
Auto Tracking		N/A
IVS (optional)		Tripwire, Intrusion, Abandoned/Missing, Face Detection
Video		
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)
	Main stream	1080P/ D1 (1 ~ 25/30fps), 720P(1~50/60fps)
Frame Rate		

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.711u(32kbps)/PCM(128kbps)			
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,22W (Heater on)			



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Environmental Operating Conditions -40°C ~ 60°C (-40°F ~ +140°F) / Less than 90% RH Ingress Protection IP66 Vandal Resistance IK10 Construction

Casing	Metal
Dimensions	Ф186(mm)×234(mm)
Net Weight	2.3kg(5.07lb)
Gross Weight	4.3kg(9.48lb)

Ordering Information				
Туре	Part Number	Description		
2MP PTZ Camera	40212TN	2MP 12x PTZ Network Camera, WDR, NTSC		
	40212TNI	2MP 12x PTZ Network Camera, WDR, NTSC,IVS		
Accessories	PFB300S	Wall Mount		
	PFA110	Mount Adapter		
	AC24V/1.5A	Power Supply		
	PFA140	Power box		
	PFB300C	Ceiling Mount		
	PFA120	Junction Box		
	PFA150	Pole Mount		
	PFA151	Corner Mount		
	PFB303S	Parapet mount		

Accessories

Included:







PFB300S Wall Mount

PFA110 Mount Adapter

AC24V/1.5A Power Supply

Optional:







PFA140 Power box

PFB300C Ceiling Mount

PFA120 Junction Box







PFA150 Pole Mount

PFA151 Corner Mount

PFB303S Parapet Mount

Ceiling Mount	Junction Mount
PFA110 + PFB300C	PFA110 + PFB300S + PFA120
Power Box Mount	Pole Mount
PFA110 + PFB300S + PFA140	PFA110 + PFB300S + PFA150
Corner Mount	Parapet Mount
PFA110 + PFB300S + PFA151	PFA110 + PFB303S





Dimensions (mm)



