Dynacom communications

Dynacom NHQ 30x
2MP 30x PTZ Network Camera

· 1/2.8" 2Megapixel CMOS
· Powerful 30x optical zoom
· Support Triple-streams encoding
· Max. 25/30fps@1080P, 25/30/50/60fps@720P· IVS
· Support PoE+
· IK10

ICR D/N   Vandal-proof   PoE+

System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD52C series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution, with 30x optical zoom. SD52C series PTZ is equipped with quick and smooth control, high quality image , which make it can meet most of the requirements of indoor 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.

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. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

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.

ONVIF PSIA

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	256M/128M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/300,000s
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	4.5mm~135mm
Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 67.8° ~ 2.4°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

Intelligence

Auto Tracking	N/A
IVS	Tripwire, Intrusion,Abandoned/Missing, Face Detection

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°,auto flip 180°
Manual Control Speed	Pan: 0.1° ~350° /s; Tilt: 0.1° ~250° /s
Preset Speed	Pan: 500° /s; Tilt: 500° /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

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)
Frame Rate	Main stream	1080P/D1 (1 ~ 25/30fps), 720P(1~50/60fps)
	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 / DWDR
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/AAC

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, Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Software	Ip Managment Softwares
Smart Phone	IOS, Android

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1

ONVIF PSIA

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	13W

Environmental

Operating Conditions	-30°C ~ 60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	N/A
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Φ198(mm) x 177(mm)
Net Weight	2.2kg(4.85lb)
Gross Weight	3.7kg(8.16lb)