

PIX-NDM203SMP

4x2MP IR Dome Network Camera



- Four 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 25/30fps@2M(1920×1080)
- Smart Detection supported
- WDR(140dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.7mm~12mm motorized lens
- Max. IR LEDs Length 30m
- Micro SD memory, IP67, IK10, PoE+



System Overview

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With four 2MP adjustable lenses can provide a flexible choice of the angle, the camera can replace multiple single-sensor cameras providing a higher return on investment. The multi-sensor camera features contrast, backlight compensation, white balance, and resolution control to create a crystal-clear image even in the most challenging lighting conditions.

Functions

Starlight Technology

Featuring Pixvideo's Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (less than 0.01 lux).

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.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

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. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity, etc

Technical Specification						
Camera						
Image Sensor		Four 1/2.8" 2Megapixel progressive scan CMOS				
Effective Pixels		1920(H)x1080(V)				
RAM/ROM		1024MB/128MB				
Scanning System		Progressive				
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s				
Minimum Illumination		0.005Lux/F1.8(Color,1/3s,30IRE) 0.06Lux/1.8(Color,1/30s,30IRE) 0Lux/F1.8(IR on)				
S/N Ratio		More than 50dB				
IR Distance		Distance up to 30m (98ft)				
IR On/Off Control		Auto/ Manual				
IR LEDs		8				
Lens						
Lens Type		Motorized				
Mount Type		Board-in				
Focal Length		2.7~12mm motorized				
Max. Aperture		F1.8				
Angle of View		H: 105° ~44°, V:54° ~25°				
Optical Zoom		4x				
Focus Control		Motorized				
Close Focus Distance		0.2m(0.66ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	Wide	45m(148ft)	18m(59ft)	9m(29.5ft)	4.5m(14.8ft)	
	Tele	99m(325ft)	40m(131ft)	20m(66ft)	10m(33ft)	
Pan/Tilt/Rotation						
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~80°; Rotation:0°~355°				
Intelligence						
Event Trigger		Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly				
IVS		Tripwire, Intrusion				
Video						
Compression		H.265/H.264/H.264B/H.264H/MJPEG(sub stream)				
Smart Codec		Support H.265+/H.264+				
Streaming Capability		2 Streams				
Resolution		1080P(1920×1080)/1.3M(1280x960)/720P(1280x720)/D1(704×576/704x480)/CIF(352×288/352×240)				
Frame Rate		Main Stream: 1080P(1~25/30fps) Sub Stream: D1(1~25/30fps)				
Bit Rate Control		CBR/VBR				
Bit Rate		H.264: 32~8192Kbps H.265: 12~6144Kbps				
Day/Night		Auto(ICR) / Color / B/W				
BLC Mode		BLC / HLC / WDR(140dB)				
White Balance		Auto/Manual				
Gain Control		Auto/Manual				
Noise Reduction		3D DNR				
Motion Detection		Off / On (4 Zone, Rectangle)				
Region of Interest		Off / On (4 Zone)				
Electronic Image Stabilization (EIS)		N/A				
Smart IR		N/A				
Defog		N/A				
Digital Zoom		16x				
Flip		0°/90°/180°/270°				
Mirror		Off / On				
Privacy Masking		Off / On (4 Area, Rectangle)				
Audio						
Compression		G.711a/ G.711Mu/ AAC/ G.726				
Network						
Ethernet		RJ-45 (100/1000Base-T)				
Protocol		HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP ;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP				
Interoperability		ONVIF Profile S&G, API				
Streaming Method		Unicast / Multicast				
Max. User Access		10 Users /20 Users				
Edge Storage		NAS Local PC for instant recording Mirco SD card 256GB				
Web Viewer		IE, Chrome, Firefox, Safari				
Management Software		Smart PSS, DSS, DMSS				
Smart Phone		IOS, Android				
Certifications						
Certifications		CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B				
Interface						
Video Interface		N/A				
Audio Interface		1/1 channel In/Out				
RS485		1 port				
Alarm		1 channel In: 5mA 5VDC 1 channel Out: 300mA 12V				
Electrical						
Power Supply		AC24V, PoE+ (802.3at)(Class 4)				
Power Consumption		AC 24V: 9.9W 31.2W(IR on) PoE: 10.6W 23.8W(IR on)				
Environmental						
Operating Conditions		-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH				
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Ingress Protection		IP67				
Vandal Resistance		IK10				

Construction

Casing	Metal
Dimensions	286.1mm×111.3mm
Net Weight	2.7kg (5.95lb)
Gross Weight	3.6kg (7.94lb)

Ordering Information

Type	Part Number	Description
Accessories (optional)	ACM211	Ceiling mount
	ACM209	Wall mount bracket
	ACM227	Mount adapter
	ACM228	Mount adapter

Accessories

Optional:



ACM211



ACM209



ACM228



ACM227

Dimensions (mm/inch)

