

4MP Basic Night Color (VU-More Color) Security System

Six (6) 4MP Fixed Eyeball Network Cameras with One (1) Eight-Channel 4K Network Video Recorder

NIGHT COLOR





System Overview

The 4MP Basic Night Color (VU-More Color) Security System provides all the components to quickly install, configure, and employ a complete video security solution. The IP cameras offer the clarity of 4MP video and the NVR offers built-in motion detection algorithms, alarm triggers, and customized recording modes. The NVR also features Plug-and-Play technology to connect quickly to cameras on the same network. Each component accepts a PoE power supply to facilitate installation.

Functions

Basic Night Color (VU-MORE Color) Technology

Dahua's Basic Night Color (VU-MORE Color) cameras offer multiple features such as motion detection and Smart Dual Illumination to provide deterrence, overtness, and full-color video in low-light scenes. These cameras are designed to reduce light pollution by only turning on the white-light LEDs for full color images when human motion is detected.

Smart Dual Illumination

The camera offers both IR and white-light illuminators and intelligently employs each depending on the situation. The camera enters the IR mode as ambient light decreases. When the camera detects an object entering the monitoring area, it activates the white-light illuminator to capture full-color details. Once the object leaves the area, the camera switches back to IR illumination.

Flexible Recording

The NVR offers a variety of configurable recording options and schedules that saves disk space and active monitoring time. The NVR monitors incoming video and can be programmed to record if motion is detected or if an alarm is triggered. The NVR can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras.

4MP Network Cameras

- 4MP at 30 fps Maximum Resolution
- Maximum IR LED Length 30 m (98.43 ft) with Smart IR
- 2.8 mm fixed lens
- Analytics+ Features Smart Motion Detection+, Perimeter Protection, Intelligent Search
- Basic Night Color Technology
- Smart Dual Illumination IR and White Light
- True WDR (120 dB) and Day/Night (ICR)
- Built-in Microphone
- IP67 Ingress Protection

4K Network Video Recorder

- 2 TB Pre-installed Hard Disk Drive
- Supports Remote Configuration and Management of Network Cameras
- Smart H.265+ and Smart H.264+ Dual Codec
- · Maximum 80 Mbps Recording Bandwidth
- Up to 8MP Resolution for Preview and Playback

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Environmental

With a temperature range of -40° C to $+60^{\circ}$ C (-40° F to $+140^{\circ}$ F), the cameras are designed for extreme temperature environments. The cameras, subjected to rigorous dust and water immersion tests, are certified to the IP67 rating making them suitable for demanding outdoor applications.

The NVR features an operating temperature of-10° C to +55° C (+14° F to +131° F).

Technical Specificatio	on .	Network	
		Ethernet RJ-45 (10/100 Base-T)	
N42DJS2 4MP Basic Night Color (VU-MORE Color) Network Eyeball Camera Camera		Protocol IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP	
Image Sensor	1/3-in. CMOS	Interoperability ONVIF (Profile S, Profile T), CGI, P2P, SDK, API	
Effective Pixels	2560 (H) × 1440 (V)	Max. User Access 6 (Total Bandwidth: 36 MB)	
RAM/ROM	128 MB/128 MB	Edge Storage FTP, SFTP, Micro SD Card Slot (Maximum 256 GB)	
Scanning System	Progressive	Web Viewer Edge, Chrome, Firefox	
Electronic Shutter Speed	Auto, Manual; 1/3 s to 1/100000 s	Management Software DSS, DMSS	
Minimum Illumination	Color, 30 IRE: 0.008 lux at F1.6 B/W, 30 IRE: 0.0008 lux at F1.6 0 lux (Illuminator On)	Mobile Operating System iOS, Android Video Encryption Configuration Encryption, Digest	
S/N Ratio	> 56 dB	Cybersecurity WSSE, Account Lockout, Security Logs, Generating	
IR Distance	30 m (98.43 ft) (IR), 15 m (49.21 ft) (Warm Light)	and Importing X.509 Certification, HTTPS, Trusted Boot, Trusted Execution, Trusted Upgrade	
		Certifications	
IR On/Off Control	Auto, Manual	Safety EN 62368-1	
IR LEDs	One (1) IR LED, One (1) Warm Light	Electromagnetic Compatibility FCC CFR 47 Part 15 Subpart B	
Lens		(EMC) Electromagnetic Compatibility Directive 2014/30/E	
Lens Type	Fixed-focal	Certifications	
Iris Type	Fixed	Built-in Microphone Yes	
Mount Type	M12	Audio Compression G.711a, G.711Mu, PCM, G.726	
Focal Length	2.8 mm	Electrical	
Maximum Aperture	F1.6	Power Supply 12 VDC or PoE (802.3af)	
Field of View	Horizontal: 95° Vertical: 52° Diagonal: 114°	Basic: 1.9 W (12 VDC), 2.4 W (PoE); Power Consumption Maximum: 5.2 W (12 VDC), 5.9 W (PoE) (H.265 + Intelligence + WDR + Warm Light)	
Close Focus Distance	0.9 m (2.95 ft)		
DORI¹ Distance	Detect Observe Recognize Identify 63.6 m 25.4 m 12.7 m 6.4 m	Environmental Operating Conditions -40°C to +60°C (-40°F to +140°F),	
	(208.66 ft) (83.33 ft) (41.67 ft) (20.99 ft)	Less than or equal to 95% RH	
Pan/Tilt/Rotation		Storage Conditions -40°C to +60°C (-40°F to +140°F) Ingress Protection IP67	
Range	Pan: 0° to 360° Tilt: 0° to 78° Rotation: 0° to 360°	Ingress Protection IP67 Construction	
Video	notation of to see	Casing Metal	
video	Smart H.265+, Smart H.264+, H.264H, H.265, H.264,	Dimensions 100.9 mm × Φ109.9 mm (3.97 in. × Φ4.33 in.)	
Compression	H.264B, MJPEG (Sub Stream Only)	Net Weight 0.37 kg (0.82 lb)	
Streaming Capability	Two (2) Streams	Gross Weight 0.51 kg (1.12 lb)	
Resolution	4MP (2688 × 1520), 3.6MP (2560 × 1440), 3MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)	Analytics+ Functions • Detects human or vehicle violations using the	
Frame Rate Main Stream Sub Stream Bit Rate Control	2688 × 1520 at 30 fps 704 × 480 at 30 fps CBR/VBR	following methods: Tripwire: a target crosses a defined line. Perimeter Protection Intrusion: a target enters or exits a defined perimeter.	
	H.264: 32 kbps to 6144 kbps	 Monitors a combination of detection methods. Search and retrieve video based on target type. 	
Bit Rate Day/Night	H.265: 12 kbps to 6144 kbps Auto (ICR), Manual	Works with a Smart NVR to perform and refine intelligent Search intelligent searches, event extraction and merging	
Backlight	BLC , HLC, True WDR (120 dB)	event videos.	
White Balance	Auto, Natural, Street Lamp, Outdoor, Manual, Regional Custom	 Differentiates between and classifies human an vehicle objects. Filters false alarms due to leaves, lights, animals 	
Gain Control	Auto, Gain Priority, Shutter Priority, Manual	Smart Motion Detection+ and other inconsequential objects.	
Noise Reduction	3DNR	 Extracts human or vehicle objects from recorde video for quick target search and retrieval. 	
Motion Detection	Off, On (4 Zones, Rectangle)	Intelligent Video System Functions	
Region of Interest	Off, On (4 Zones)	,	
Image Rotation	0°, 90°, 180°, 270°	IVS triggers an alarm and takes a defined action for the following events:	
Mirror	Off, On	Tampering with the camera.Error writing to an onboard Micro SD card.	
Privacy Masking	Off, On (4 Areas)	• Error sending or receiving data over the networ	
Smart IR	Supported	Unauthorized access to the camera.IP Address Conflict	

The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.

Backup Mode

USB Device, Network

Technical Specification Third-party Support N41C2P2 Eight-channel 4K Network Video Recorder (2 TB) Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, Third-party Support CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and Others System Main Processor Industrial-grade Embedded Processor Network Operating System Embedded Linux One (1) RJ-45 Port (10/100/1000 Mbps), Self-adaptive Ethernet Audio and Video PoE Eight (8) Ports (IEEE802.3af/at) HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; IP Camera Input Eight (8) Channels UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Input: One (1) Channel, RCA **Network Function** Alarm Server; IP Search (Support Dahua IP Camera; Audio Output: One (1) Channel, RCA DVR; NVS); P2P; Auto-register Maximum User Access Analytics+ Recording² iOS, Android **Mobile Operating System** Channels Eight (8) Perimeter Chrome; IE 9 or later Browser Protection Search By Channel, Time, and Event Type Interoperability ONVIF Profiles (S,T,G); CGI; SDk Channels **Smart Motion** Detection+ By Target Classification (Human or Vehicle) Search Storage Display One (1) SATA III Port, Internal HDD Up to 10 TB capacity per HDD One (1) HDMI Interface One (1) VGA **HDD** Mode Single **Native Output Resolution** 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 Auxiliary Interface Two (2) Channel of 8 MP at 30 fps Four (4) Channels of 4 MP at 30 fps Maximum Decoding USB Two (2) USB 2.0 Ports (Rear Panel) Eight (8) Channels of 2 MP at 30 fps Multi-screen Display Electrical Camera Title, Time, Video Loss, Camera Lock, On-screen Display 53 VDC, 1.36 A **Power Supply** Motion Detection, Recording **NVR Power Consumption** < 10 W, without HDD Recording 25.5 W single port, 36 W total Total PoE Budget Smart H.265+, H.265, Smart H.264+, H.264, MJPEG Video Compression Environmental **Audio Compression** PCM, G.711A, G.711Mu, G.726 **Operating Conditions** −10° C to 55° C (14° F to 131° F), 10% to 93% RH 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1 Supported IP Camera Resolution 0° C to 40° C (32° F to 104° F), 30% to 85% RH Storage Conditions Maximum Recording Bandwidth 80 Mbps Construction Manual Recording: Alarm Recording: 270.0 mm x 206.50 mm x 47.50 mm Record Mode Dimensions (W x L x H) SMD Recording; Smart Recording (10.63 in. x 8.12 in. x 1.80 in.) Video Detection and Alarm Net Weight 0.70 kg (1.54 lb), without HDD Gross Weight 1.80 kg (3.97 lb), without HDD Motion Detection, Privacy Masking, Video Loss, General Alarms Scene Changing, PIR Alarm, IPC External Alarm Certifications Camera Disconnection, Storage Error, Disk Full, IP Conflict, MAC Conflict, Login Locked, Cybersecurity EN 62368-1 **Anomaly Alarms** UL 62368-1 Exception Safety CAN/CSA C22.2 No.62368-1-14 Face Detection, Perimeter Protection (Intrusion and Analytics+ Alarms Tripwire), IVS, People Counting, Heat Map, SMD CFR 47 FCC Part 15 Subpart B **Electromagnetic Compatability** Alarms EN55032, EN55024, EN55035, EN61000-3-2, (EMC) EN61000-3-3, EN50130-4 Recording, Snapshot, Audio, Buzzer, Log, Preset, Alarm Actions Playback and Backup 1/4/8 Sync Playback Time/Date, Alarm, MD and Exact Search (Accurate to Search Mode One (1) Second), Smart Search Play, Pause, Stop, Rewind, Fast Play, Slow Play, Playback Function Reverse, By Frame, Full Screen, Backup Selection (Video Clip or File), Partial Zoom, Audio On/Off

^{2.} The recorder Analytics+ functions are available only when connected to a Dahua network camera with Analytics+ functionality.

Ordering Information				
Туре	Part Number	Description		
Security System	N484E62C	6 x N42DJS2 4MP Fixed Eyeball Network Camera 1 x N41C2P2 8-channel 4K Network Video Recorder with 2 TB HDD (Smart 1U Casing, 8 POE Ports)		
	PFA106	Mount Adapter		
	PFA130-E	Waterproof Junction Box		
	PFA151	Corner Mount		
	PFA152-E	Pole Mount		
	PFB220C	Ceiling Mount		
	PFB305W	Wall Mount		
Accessories (Optional)	DH-PFB205W-E	Wall Mount Bracket		
(ориона)	DH-PFA220G	Gang Box Adapter		
	DH-PFM321D-US	12 VDC, 1 A Power Adapter		
	DHI-TF-P100 Series	Micro SDXC Cards		
	DH-PFM920I-5EU-U	305 m (1000 ft) CAT5e UJTP Cable		
	DH-PFM900-E	Integrated Mount Tester		
	PFH101	Rack Mount Tray		

Ordering Information				
Туре	Material			
Network Cameras	Printed Manual Printed Regulatory Guide Plastic Wall Anchors with Screws (x3) Mounting Template Waterproof Ethernet Connector			
NVR	Quick Network Guide Printed Manual Printed Regulatory Guide Mouse Power Adapter with Power Cord Ethernet Cable, RJ-45 Rubber Feet (x4)			

Accessories

Optional:



PFA106 Mount Adapter



PFA152-E Pole Mount



DH-PFB205W-E Wall Mount Bracket



DHI-TF-P100 Series Micro SDXC Cards



PFH101 Rack Mount Tray



PFA130-E Waterproof Junction Box



PFB220C Ceiling Mount



DH-PFA220G Gang Box Adapter



DH-PFM920I-5EU-U 305 m (1000 ft) CAT5e UJTP Cable



PFA151 Corner Mount



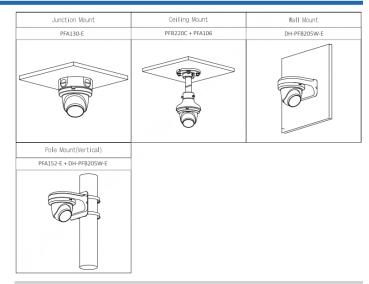
PFB305W Wall Mount



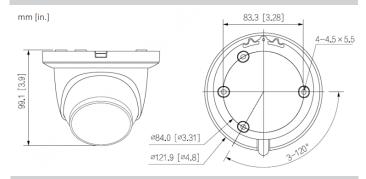
DH-PFM321D-US 12 VDC, 1 A Power Adapter



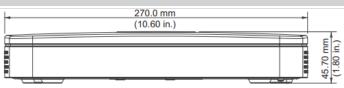
DH-PFM900-E Integrated Mount Tester

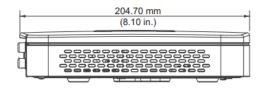


Dimensions - N42DJS2

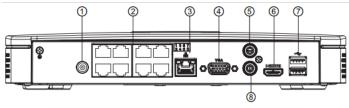


Dimensions - N41C2P2





Rear Panel - N41C2P2



1	Power Input	5	Audio Out, RCA
2	PoE Ports, RJ-45 (x8)	6	HDMI Output
3	Network Port, RJ-45	7	USB 2.0 Ports (x2)
4	VGA Output	8	MIC In, RCA