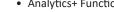


Dahua Basic Night Color (VU-MORE Color) Network Bullet Camera

WizSense Camera with Smart Dual Illumination and Analytics+





- 8MP at 20 fps Maximum Resolution, 2.8 mm Fixed Lens
- Analytics+ Function Perimeter Protection and Smart Motion Detection+
- · Dual Stream Encoding
- Smart Dual Illumination IR and White Light

• 1/2.7-in. 8MP Progressive-scan CMOS Sensor

- Smart H.265+ and Smart H.264+ Dual Codecs
- True WDR (120 dB) and Day/Night (ICR)
- Maximum IR LED Length 30 m (98.43 ft) with Smart IR
- IP67 Ingress Protection
- Five-year Warranty*















WizSense Series devices combine Dahua's powerful Analytics+ with an intuitive and easy to use interface. WizSense devices offer Smart Motion Detection and Perimeter Protection functions that focus on human and vehicular images and ignore irrelevant images to capture important video while reducing false alarms. WizSense Series devices provide powerful general security for small to medium size businesses at a sensible price.

System Overview

The Dahua Basic Night Color (VU-MORE Color) camera offers multiple features such as motion detection and Smart Dual Illumination to provide deterrence, overtness, and full-color video. The camera provides increased color viewing at night for a variety of small to mid-size applications at an affordable price.

Functions

Perimeter Protection

Dahua Analytics+ includes Tripwire and Intrusion functions that offer custom tripwires based on object type for automation in limited access areas. Perimeter Protection requires less pixels to detect an object to deliver improved accuracy and decreased false alarms due to lights, weather, trees, or animals.

Smart Motion Detection+

Smart Motion Detection, a component of Dahua's Analytics+ technology, improves alarm accuracy and decreases the number of false alarms. The advanced SMD algorithm analyzes a scene for human or vehicle motion, while filtering out other motion due to trees, leaves, animals, weather, and triggers an alarm when detected.

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.

Wide Dynamic Range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Smart Dual Illuminators

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

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high-performance in extreme low-light environments up to 30 m (98.43 ft).

Cybersecurity

Dahua network cameras are equipped with a series of key cybersecurity technologies including: security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage. These technologies improve the camera's ability to prevent malicious access and to protect data.

Environmental IP67

Subjected to rigorous dust and water immersion tests the camera suitable for the most demanding outdoor applications. The camera carries an IP67 rating that ensures protection from total dust ingress and protection from water immersion between 15 centimeters and 1 meter in depth.



Technical	Specification					Audio	
Camera						Built-in MIC	Yes
Image Sensor		1/2.7-in. CMOS				Audio Compression	G.711A, G.711Mu, PCM, G.726, AAC
Effective Pixels	S	3840 (H) x 2160 (V). 8MP				
Scanning System		Progressive				Network	
RAM/ROM		256 MB/128 MB				Ethernet	RJ-45 (10/100 Base-T)
Electronic Shutter Speed		Auto, Manual, 1/3 s to 1/100,000 s 0.008 lux at F1.6 (Color, 30 IRE)				Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multcast, ICMP, IGMP
Minimum Illumination		0.0008 lux at F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)				Interoperability	ONVIF (Profile S, Profile T), CGI, P2P, SDK, API
S/N Ratio		> 56 dB				Maximum User Access	20 (Total bandwidth: 48 M)
IR Distance		30 m (98.43 ft) (IR), 30 m (98.43 ft) (Warm light)				Edge Storage	NAS, FTP, SFTP, Micro SD Card (Maximum 256 GB)
IR On/Off Control		Auto; Manual				Web Viewer	IE, Chrome, Firefox
Illuminators		One (1) IR LED One (1) Warm Light				Management Software	DSS, SmartPSS Lite, DMSS
Lens						Mobile Operating System	iOS, Android
Lens Type		Fixed-focal				Cyber Security	Configuration Encrypton, Trusted Execution, Digest, Security Logs, WSSE, Account Lockout, Syslog, Video Encrypton, 802.1x, IP/MAC Filtering, HTTPS, Trusted
Mount Type	Iris Type						Upgrade, Trusted Boot, Firmware Encrypton, Generating and Importing X.509 Certification
"		M12 2.8 mm					
	Focal Length Maximum Aperture					Certifications	
Waximam Apc	. rear c	Horizontal	F1.6 Horizontal 111°			Safety	EN 62368-1
Angle of View		Vertical 58°					FCC CFR 47 Part 15 Subpart B
		Diagonal 132°				Electromagnetic Compatibility (EMC)	Electromagnetic Compatibility Directive 2014/30
Close Focus Distance		1.5 m (4.92 ft)				EU	
close rocus distance					Identify	Electrical	
DORI¹ Distance	e	84.8 m	3.9 m	17.0 m	8.5 m	Power Supply	12 VDC or PoE (802.3af)
Pan / Tilt / Rotation		(278.22 ft) (13	11.22 ft)	(55.77 ft)	(27.89 ft)	Power Consumption	Basic: 2.7 W (12 VDC), 3.4 W (PoE) Maximum: 5W (12VDC), 5.9W (PoE) (H.265 + Intelligence + WDR + Warm Light)
Pan/Tilt/Rotation		Pan: 0° to 360° Tilt: 0° to 90°				Environmental	
Video		Rotation: 0° to 360°				Operating Conditions	-40°C to +55°C (-40°F to +131°F), Less than 95% RH
Video		Smart H 265+ Sr	nart H 26	1± H 264H H	265	Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Compression		Smart H.265+, Smart H.264+, H.264H, H.265, H.264, H.264B, MJPEG (Only supported by the sub stream)				Ingress Protection	IP67
Streaming Capability		Two (2) Streams				Construction	
Resolution		8MP (3840 x 2160), 6MP (3072 x 2048), 4MP (2688 x 1520), 3MP (2048 × 1536), 1080p (1920 × 1080), 1.3M(1280 x 960), 720p (1280 x 720), VGA (640 x 480), CIF (352 x 240)				Casing	Metal
						Dimensions	166.2 mm × Φ70 mm (6.54 in. × Φ2.76 in.)
						Net Weight	0.48 kg (1.06 lb)
	Main Stream	3840 × 2160 at 20 fps, 2688 x 1520 at 30 fps				Gross Weight	0.57 kg (1.26 lb)
Frame Rate	Sub Stream			.0 X 1320 ut 30	7 193	Analytics+ Functions	
Bit Rate	Sub Stream	704 × 480 at 20 f H.264: 32 kbps to	o 8192 kb			Detects human or vehicle violations using the	
		H.265: 12 kbps to 8192 kbps				Perimeter Protection	following methods: Tripwire: a target crosses a defined line. Intrusion: a target enters or exits a defined perimeter. • Monitors a combination of detection methods.
Bit Rate Control		CBR, VBR					
Day/Night BLC Mode		Auto (ICR); Manual					
White Balance		BLC , HLC, WDR (120 dB) Auto, Natural, Street Lamp, Outdoor, Manual,					Search and retrieve video based on target type. Works with a Smart NVR to perform and refine
Gain Control		Regional Custom Auto, Gain Priorit		Priority, Man	ual	Intelligent Search	intelligent searches, event extraction and merging to event videos
Noise Reduction		3DNR					
Motion Detection		Off, On (4 Zones, Rectangle)					 Differentiates between and classifies human and vehicle objects.
Region of Interest		Off, On (4 Zones)				Smart Motion Detection+ ²	Filters false alarms due to leaves, lights, animals,
Smart IR		Supported					and other inconsequential objects.Extracts human or vehicle objects from recorded
Image Rotation		0°, 90°, 180°, 270° (90°, 270° with 2688 x 1520 resolution and lower)				video for quick target search and retrieval.	

Off, On

Privacy Masking

Off, On (4 Areas, Rectangle)

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.
 Pair a Smart Motion Detection camera with a Dahua recording device that also offers SMD functionality to take advantage of SMD alarm filtering and object classification when searching and playing back recorded video.

Intelligent Video System Functions

IVS triggers an alarm and takes a defined action for the following events:

Standard Features

- Tampering with the camera.
- Error writing to an onboard Micro SD card.
 Error sending or receiving data over the network.
- Unauthorized access to the camera.
- IP Address Conflict

Ordering Information								
Туре	Part Number	Description						
8MP Camera	N82DDS2	8MP Basic Night Color (VU-MORE Color) Network Bullet Camera						
	PFA134	Junction Box						
	PFA151	Corner Mount (Use with PFA134)						
Accessories	PFA152-E	Pole Mount						
(Optional)	DH-PFM321D-US	12V 1A Power Adapter						
	DHI-TF-P100 Series	Micro SDXC Cards (64 GB, 128 GB, or 256 GB)						
	DH-PFM920I-5EU-U	305 m (1000 ft) CAT5e UTP Cable						

Accessories (Optional)



PFA134 Junction Box



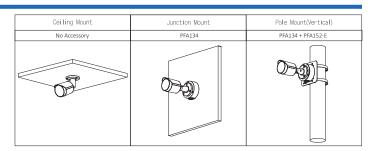
PFA151 Corner Mount



PFA152-E Pole Mount

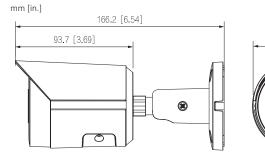


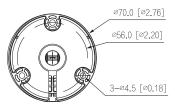
DH-PFM321D-US 12 VDC, 1 A Power Adapter



68.7 [2.70]

Dimensions







DHI-TF-P100 Series Micro SDXC Cards (64 GB, 128 GB, or 256 GB)



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

