



# DH-PTZ85260-HNF-PA-FL

2MP 60x Starlight Laser AI Network Positioning System



Wiz Mind

#### System Overview

Al series products adopt the most advanced Al technologies, including deep learning algorithms that primarily target people and vehicles, which provides higher flexibility and accuracy for end-users. This enables the Dahua Al series to offer various advanced applications such as Face Recognition, ANPR, Metadata, People Counting, and traffic data statistics. The complete lineup of Dahua Al includes network (PTZ) cameras, network video recorders, servers, and more devices. Beyond seeing the world, the power of Al allows devices to perceive the environment and understand the world in a better way.

#### **Functions**

#### **Perimeter Protection**

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more, and uses secondary recognition during target detection to improve alarm accuracy.

#### Starlight Technology

For challenging low-light conditions, Dahua's Starlight Ultra-low Light Technology offers the best in light sensitivity, capturing color in vivid detail, even in lighting as low as 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, producing clear images in dark environments.

#### PFA Technology

PFA technology has introduced new methods of judgment that ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms that ensure image clarity when zooming and that shorten focus time. This makes the camera highly advanced in its functions, substantially improving the quality of your experience.

- 1/1.8" 2Megapixel STARVIS™ CMOS
- 60× optical zoom
- Starlight technology
- Max. 25/30 fps@2M
- Laser distance up to 1000 m
- H.265 encoding
- Two-way audio
- IP67
  - Auto-tracking
  - Perimeter protection
  - face recognition



#### Environment (-40 °C to +70 °C, IP67)

Developed to operate in extreme conditions, Dahua camera can function in temperatures ranging from -40 °C to +70 °C (-40 °F to +158 °F) at 95% humidity. It was subjected to rigorous dust and water immersion tests, gaining its IP67 Ingress Protection certification, making it suitable for demanding outdoor applications.

#### Auto-tracking

This feature controls the pan, tilt and zoom actions of the camera to automatically track an object in motion, to keep it in view of the camera. Tracking can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

#### 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, a flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality videos without straining the network. Smart H.265+ technology outranks standard H.265 video compression, reducing bit rate and storage requirements by up to 70%.

#### Scenes

The Dahua PTZ AI network camera adopts advanced CNN deep learning algorithms to support Perimeter Protection. This highly accurate camera possesses a wide monitoring range and the PFA algorithm, allowing it to always present a clear, focused image while zooming. Leveraging the latest in starlight technology, the camera has strong low light performance, smooth controls, high-grade protection, and produces high quality images, meeting most of the requirements of video surveillance applications.

#### **Technical Specification**

#### Camera

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Image Sensor	1/1.8" CMOS	1/1.8" CMOS		
Pixel	2 MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	8 GB			
RAM	2 GB			
Electronic Shutter Speed	1/1 s-1/30,000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 lux@F1.4 B/W: 0.0005 lux@F1.4 0 lux (laser on)			
Illumination Distance	1,000 m (3,280.84 ft)			
Illuminator On/Off Control	Zoom Prio; Manual; Off			
Illuminator Number	1 (laser)			
Wiper	Yes			
Lens				
Focal Length	5.6 mm–336 mm			
Max. Aperture	F1.4-F4.5			
Field of View	H: 56.4°–1.2°; V: 32.7°–0.7°; D: 63.6°–1.7°			
Optical Zoom	60×			
Focus Control	Auto; semi-auto; manual			
Close Focus Distance	0.5 m-2 m (1.64 ft-6.56 ft)			
Iris Control	NA			
	Detect	Observe	Recognize	Identify
DORI Distance	6,720 m (22,047.24 ft)	2,666.7 m (8,749.02 ft)	1,344 m (4,409.45 ft)	672 m (2,204.72 ft)

#### PTZ

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –45° to +90°
Manual Control Speed	Pan: 0.1°/s-160°/s Tilt: 0.1°/s-60°/s
Preset Speed	Pan: 160°/s; Tilt: 60°/s
Preset	300
Tour	8 (up to 32 presets per tour)

Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Preset; Pattern; Tour; Scan
PTZ Protocol	DH-SD Pelco-P/D (auto recogniton)
Intelligence	
Video Metadata	Support human body, human face, motor vehicle and non-motor vehicle image capture and attributes extraction.
IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification.
Face Recognition	Yes
Video	
Compression	H.265; H.264M; H.264H; MJPEG; Smart H.265; Smart H.264
Video Compression	3 streams
Resolution	1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 1080p/960p/720p (1–25/30 fps) Sub stream 1: D1/VGA/CIF (1–25/30 fps) Sub stream 2: 1080p/960p/720p (1–25/30 fps)
Bit Rate Control	CBR; VBR
Video Bit Rate	H.264:1792–9216 kbps H.265: 512–5632 kbps
Day/Night	Auto (ICR); Color; B/W
BLC	Yes
WDR	Yes
HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Defog	Optical
Digital Zoom	16×
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
S/N Ratio	≥55 dB
Audio	
Audio Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; PCM

### Wiz Mind | DH-PTZ85260-HNF-PA-FL

#### Network

Network PortR4-5 (10/100 Base-T)Network ProtocolRTTP; HTTPS; IPV4; RTSP; UDP; SMTP; NTP; DHCP; DMS; DNS; IPV6; BGX3; YG, GSS, FTP; UPPP; ICMP; SMMP; IGMP; RTP; PPPP6P6; RTMP; TCPInteroperabilityONVIF (Profe S&G&T); G#/T28181; CGIStreaming MethodVictoat SG&T); G#/T28181; CGIUser/Host2 (total bandwidth: 64 M)StorageFTP; Micro SD card (512 GB); NASBrowserBrome Af and later versions strafManagement SoftwareSmart PSS; DSS; IVSSMohle ClientIobard rater versions strafAnalog OutputI channel (UNE output, BNC)Audio Output1 channel (UNE output, BNC)Audio OutputI channel (UNE OUT, bare wire)Audio OutputI channel (UNE OUT, bare wire)Aure MultiqueI channel (UNE OUT, bare wire) <th>Network</th> <th></th>	Network		
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Product Dimensions     344.6 mm × 252.2 mm × 499.8 mm (13.57" × 9.93" × 19.68") (L × W × H)       Net Weight     15.4 kg (33.95 lb)	Structure		
Product Dimensions     19.68") (L × W × H)       Net Weight     15.4 kg (33.95 lb)	Casing	ADC12	
	Product Dimensions		
Gross Weight 23.7 kg (52.25 lb)	Net Weight	15.4 kg (33.95 lb)	
	Gross Weight	23.7 kg (52.25 lb)	

#### **Ordering Information** Туре Part Number Description DH-PTZ85260-HNF-2MP 60x Starlight Laser AI Network PA-FL Positioning System 2M Camera 2MP 60x Starlight Laser AI Network PTZ85260-HNF-PA-FL Positioning System DC36V/5A Power Adapter Accessories DH-PFB741W Wall Mount Bracket

#### Accessories

#### Included:



DC36V/5A Power Adapter

Optional:



DH-PFB741W Wall Mount Bracket

Plane Mount	Plane Mount	Wall Mount	
		DH-PFB741W	

## Wiz Mind | DH-PTZ85260-HNF-PA-FL

### Dimensions (mm[inch])





