

DH-SDT3E410-8P-MB-A-PV1

8MP+4MP 10x Starlight TiOC Network Panoramic & PTZ Camera



- Panorama: Outputs 180° wide angle splicing image
- Detail: 1/2.8" 4Megapixel STARVIS™ CMOS
- 10x optical zoom
- Starlight technology
- Max. 25/30 fps@8M
- IR distance up to 70 m
- Warm light illumination distance up to 30 m
- Active deterrence
- Auto tracking Lite
- Perimeter protection
- Face detection
- SMD4.0
- IP66
- Smart dual light



System Overview

The Three-in-One Camera (TiOC) solution combines 24/7 monitoring, active deterrence and real-time alarms with artificial intelligence into one smart, innovative solution. With horizontal and vertical rotation of TiOC PTZ camera, greatly improving the monitoring scope of key targets. For distributors and installers, it not only saves time, but also reduces cost.

Functions

Starlight Technology

For challenging low-light conditions, Dahua's Starlight Ultra-low Light Technology has exceptional light sensitivity, capturing images 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.

Smart Codec

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

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.

Smart Tracking

The panoramic camera links with the detail camera to track targets. When the target enters the panoramic area, the detail camera starts to monitor them and tracks their movement by rotating, zooming and focusing the PTZ camera lens. This allows the camera to produce highly detailed images with the movement of targets for security personnel.

Smart Dual Light

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

Protection (IP66, TVS 6000 V)

IP66, TVS 6000 V lightning proof, surge protection, and voltage transient protection.

Network PTZ Camera | DH-SDT3E410-8P-MB-A-PV1

Technical Specification					PTZ
Camera					
Image Sensor					Pan: 0° to 345°; Tilt: -10° to +90°
Pixel					Manual Control Speed Overview channel: NA; Detail channel: H: 0.1°–80°/s; V: 0.1°–50°/s
Max. Resolution					Preset Speed H: 80°/s; V: 50°/s
ROM					Preset 300
RAM					Power-off Memory Yes
Electronic Shutter Speed					Idle Motion Preset
Scanning System					Intelligence
Min. Illumination					IVS (Perimeter Protection) Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human/vehicle alarm classification; linkage tracking (only for people)
Illumination Distance					Face Detection Detail channel: Supports face detection, optimization, capturing pictures, uploading high-quality face snapshots and enhancing face images. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality first, and selecting a preferred image among a group of snapshots.
Illuminator On/Off Control					SMD SMD 4.0
Illuminator Number					SMD Yes
Lens					Active Deterrence
Focal Length					Light Warning Red and blue light warning; Flash duration: 5 s–30 s; Flash frequency: high, medium, low
Max. Aperture					Sound Warning Offers 11 sound alarm and 10 custom sound alarms can be imported. Sound can be set from 0%–100%. Play times can be set from 1–10.
Field of View					Video
Optical Zoom					Video Compression H.264H; H.264B; Smart H.265+; H.265; Smart H.264+; H.264M; MJPEG (Sub Stream 1)
Focus Control					Streaming Capability 3 streams
Close Focus Distance					Resolution Overview channel: 5376 × 1520; 26886 × 752; 1080p (1920 × 1080); 720p (1280 × 720); 1344 × 368; D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); Detail channel: 2560 × 1440; 3M (2304 × 1296); 1080p (1920 × 1080); 1280 × 960 (1.3M); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Iris Control					Video Frame Rate Overview channel: Main stream: 5376 × 1520 @ (1–25/30 fps) Sub stream 1: 1344 × 368/D1/VGA/CIF @ (1–25/30 fps) Sub stream 2: 2688 × 752/1080p/1.3M/720p @ (1–25/30 fps); Detail channel: Main stream: 4M/3M/1080p/1.3M/720p @ (1–25/30 fps) Sub stream 1: D1/VGA/CIF @ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @ (1–25/30 fps)
DORI Distance					Bit Rate Control CBR/VBR
					Video Bit Rate Overview channel: H264: 128 kbps–16,384 kbps H265: 51 kbps–13,312 kbps; Detail channel: H264: 96 kbps–16,384 kbps H265: 38 kbps–10,240 kbps

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Day/Night	Overview channel: Auto; Color; B/W; Detail channel: Auto; Color; B/W; Electronic	Audio Output	1 channel (LINE OUT,bare wire,built-in speaker (mutually exclusive))
BLC	Yes	Alarm Input	1 (on-off value input: 0~5 VDC)
WDR	Overview channel: DWDR Detail channel: 120 dB	Alarm Output	1 channel
HLC	Yes	Alarm Linkage	Capture; recording; send email; preset; alarm digital output; audio; warning light
White Balance	Overview channel: Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp Detail channel: Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp	Alarm Event	Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
Gain Control	Overview channel: Auto; manual; gain prio Detail channel: Auto; manual; gain prio	Power	
Noise Reduction	Overview channel: 2D NR; 3D NR Detail channel: 2D NR; 3D NR	Power Supply	12 VDC, 3 A ± 10% PoE+(802.3at)
Motion Detection	Yes	Power Consumption	Basic: 12 W; Max: 25 W (illuminator + heating glass + siren and light active deterrence + PTZ)
Region of Interest (RoI)	Yes	Environment	
Image Stabilization	Overview channel: NA Detail channel: Electronic Image Stabilization (EIS)	Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Defog	Overview channel: Electronic Detail channel: Electronic	Operating Humidity	≤95%
Digital Zoom	Overview channel: NA Detail channel: 16x	Protection	TVS 6000 V lightning proof; IP66; surge protection; voltage transient protection
Image Rotation	Overview channel: NA Detail channel: 180°	Structure	
S/N Ratio	Overview channel: ≥55dB Detail channel: ≥55dB	Product Dimensions	140.3 mm × 181.7 mm × 238.8 mm (5.52" × 7.15" × 9.40") (L × W × H)
Audio		Net Weight	2.17 kg (4.78 lb)
Audio Compression	Overview channel: PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G.722.1, G.729; Detail channel: NA	Gross Weight	3.1 kg (6.83 lb)
Network		*The precision of the presets for PTZ cameras might vary depending on different series. For scenes with high requirements on the precision, contact your local sales representative for assistance with selecting the model.	
Network Port	RJ-45 (100 Base-T)	Ordering Information	
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; QoS; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; RTSP; ARP	Type	Model
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI; SDK; P2P	Network PTZ Camera	DH-SDT3E410-8P-MBA-PV1 8MP+4MP 10x Starlight TiOC Network Panoramic & PTZ Camera
Streaming Method	Unicast/Multicast		PFB5310W Wall Mount Bracket
User/Host	20 (total bandwidth: 64 M)		DH-PFA121 Water-proof Junction Box
Storage	Micro SD card (512 GB); FTP/SFTP; NAS		PFA7711 Mount Adapter
Browser	web5.0; IE 9 and later versions; Chrome 41 and later versions; Firefox 50 and later versions; Safari 10 and later versions		DH-PFB300C Ceiling Mount Bracket
Management Software	DMSS; DSS Pro		DH-PFB301C Ceiling Mount Bracket
Mobile Client	iOS; Android		DH-PFA152-E Pole Mount Bracket
Certification			DH-PFA156 Pole Mount Bracket
Certifications	CE: EN55032/EN55035/IEC61000-3-2/IEC61000-3-3/ EN62368-1/IEC62471		DH-PFA150 Pole Mount Bracket
Port			
Audio Input	1 channel (LINE IN, bare wire,built-in mic (mutually exclusive))		

Accessories

Included:



PFB5310W
Wall Mount Bracket

Optional:



DH-PFA121
Water-proof Junction Box



PFA7711
Mount Adapter



DH-PFB300C
Ceiling Mount Bracket



DH-PFB301C
Ceiling Mount Bracket



PFA152-E
Pole Mount Bracket

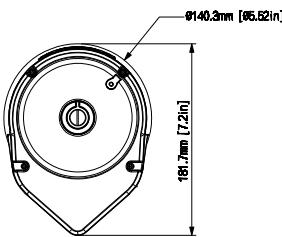
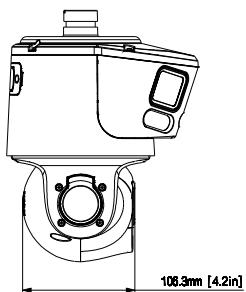
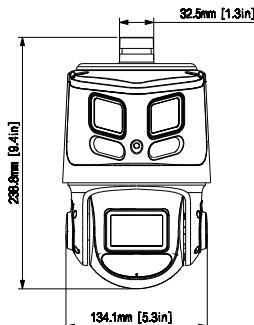


PFA156
Pole Mount Bracket



DH-PFA150
Pole Mount Bracket

Dimensions (mm[inch])



Wall Mount	Ceiling Mount 1	Ceiling Mount 2
DH-PFB5310W + DH-PFA121	PFA7711 + DH-PFB300C	PFA7711 + DH-PFB301C
Pole Mount (Vertical) 1	Pole Mount (Vertical) 2	Pole Mount (Horizontal)
DH-PFB5310W + DH-PFA121 + DH-PFA156	DH-PFB5310W + DH-PFA121 + DH-PFA152-E	PFA7711 + DH-PFB300C + DH-PFA150