



DH-IPC-PTS2249B-E2-S-PV-PRO

2+2 MP WizColor Active Deterrance Dual-lens Fixed-focal Pan & Tilt WizSense Network Camera





Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, Dahua WizSense 2 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.

Functions

WizColor Technology

Dahua WizColor Technology seamlessly combines with the powerful AI-ISP, large pixel size sensor and large aperture in cameras. This unique integration enables cameras to effortlessly capture high-quality images with vibrant colors during nighttime scenarios, ensuring fine details are preserved and minimizing motion blur. Unlike traditional self-illuminating cameras, Dahua WizColor Technology maximizes the utilization of weak light sources, such as moonlight and city lights reflected in the sky, delivering captivating full-color images of the entire scene. It also ensures that monitoring distances are not compromised at night due to limited illumination ranges, facilitating full-color image capture even over long distances.

AI-ISP

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Siren and Light Active Deterrence

Dahua siren and light active deterrence network camera supports the light alarm and voice alarm when perimeter event occurs, to realize the deterrence and effective intervention. The camera is built in multiple voices for selection, and supports customized voice importing.

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

- 2-MP 1/2.9" CMOS image sensor, low luminance, and high definition
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, and the max. illumination distance is 30 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- · Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
- · Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.
- Supports max. 256 G Micro SD card; built-in Mic; built-in speaker; supports two-way talk.
- 12 VDC/PoE power supply, easy for installation.
- · IP66 protection.
- · Sound and light alarm.
- · SMD Plus.
- · One-tap arming/disarming.

















Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced. the device.

Smart H.265+ & Smart H.264+

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

Protection (Wide Voltage)

Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Camera	Camera For Camera For Lennar 270 Counce 270 Lennar 270 Len	Technical Specification						Smart Codec	Smart H.265+; Smart H.264+
Many distance	Many								Channel 1 (PT Lens):
Manual	Max. Revolution Channel 2 Pinter lenny 1900 Pix			• •					Main stream: 1920 × 1080@(1–25/30 fps) sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30
RAM	ROM	Max. Resolution						Video Frame Rate	Channel 2 (Fixed Lens): Main stream: 1920 × 1080@(1–25/30 fps)
Spanning System	Second S	ROM		128 MB					fps)
Streaming Capability Streaming Capabilit	Stream Special S	RAM		256 MB					
### ### ### ### ### ### ### ### ### ##	Pectronic Shutter Speed Main Minimitation 0.0006 lay@F1.0 3.000 1.0	Scanning Sys	tem	Progressive				Streaming Capability	2 streams
Min. Illumination	Min. Illumination	Electronic Sh	utter Speed	Auto/Manual 1/3 s-1/100,000 s					Channel 1 (PT Lens):
	Mesoution Channel 2 (Fixed Lany): 1, 7 m; 1, 5 st) Channel 2 (Min. Illumina	ition	0.0006 lux@F1.0					1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280
	Illumination Orl/Off Control Auto, Manual	S/N Ratio		>56 dB				Resolution	Channel 2 (Fixed Lens):
Bit Rate Control VBR; CBR Control VBR; CBR	Bit Rate Control VBS; CBR V					light)			× 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF
Lens Type Channel 1 PT Lens : Fixed-local Channel 2 Pt Lens : Fixed-local Pt Lens : Fixed-local Channel 2 Pt Lens : Fixed-local Pt Lens : F	Lens Type Channel 1 (FT Lens): Fixed focal Channel 2 (Fixed Lens): Fixed Channel 2 (Fixed Lens): Fixed focal Channel 2 (Fixed Lens): Fixed Channe							Bit Rate Control	VBR; CBR
Lens Mount M12 Focal Length Channel 2 (Fixed Lens): Fixed-focal Max. Aperture Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 1.0 Channel 2 (Fixed Lens): 1.0 Channel 2 (Fixed Lens): 1.0 Channel 2 (Fixed Lens): 1.10 Channel 2 (Fixed Lens): 1.17 m (5.58 ft) Channel 3 (Fixed Lens): 1.11 m (5.56 ft) Channel 4 (Fixed Lens): 1.11 m (5.56 ft) Channel 5 (Fixed 1 (8.37 ft) (73.16 ft) (8.42 ft) (18.37 ft) Channel 6 (Fixed 1 (8.37 ft) (73.16 ft) (3.42 ft) (18.37 ft) Channel 7 (Fixed 1 (8.27 ft) (73.16 ft) (3.42 ft) (18.37 ft) DORI 1 (Bext) Observe, Recognize (Identify) is a standard system (18.27 ft) ft) critical do not reflect intelligent trunction distances, refer to installation and around area. The number in this table do not reflect intelligent trunction distances, refer to installation and around area. The number in this table do not reflect intelligent trunction of intelligent to the classification and around area. The number in this table do not reflect intelligent trunction of intelligent to the classification and around area. The number in this table do not reflect intelligent trunction of intelligent to the number in this table do not reflect intelligent trunction of intelligent to the number in this table do not reflect intelligent trunction of intelligent to the number in this table do not reflect intelligent trunction of intelligent to the number in this table do not reflect intelligent trunction of intelligent to the number in this table do not reflect intelligent trunction of intelligent to exercity to the number in this table do n	Lens Mount M12 Focal Length Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 4.0 mm Channel 2 (Fixed Lens): 4.0 mm Channel 2 (Fixed Lens): 4.0 mm Max. Aperture Channel 1 (PT Lens): F1.0 Channel 2 (Fixed Lens): 4.1 mm Channel 3 (Fixed Lens): 4.1 mm Channel 4 (Fixed Lens): 4.1 mm Channel 5 (Fixed Lens): 4.1 mm Channel 2 (Fixed Lens): 4.1 mm Channel 3 (Fixed Lens): 4.1 mm Channel 4 (Fixed Lens): 4.1 mm Channel 5 (Fixed Lens): 4.1 mm Channel 2 (Fixed Lens): 4.1 mm Channel 2 (Fixed Lens): 4.1 mm Channel 2 (Fixed Lens): 4.1 mm Channel 3 (Fixed Lens): 4.1 mm Channel 4 (Fixed Lens): 4.1 mm Channel 5 (Fixed Lens): 4.1 mm Channel 5 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 7 (7.1 left) (3.4 4.2 ft) (3.8 3 ft) Channel 1 (7.2 left) (3.4 4.2 ft) (3.8 3 ft) Channel 1 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 7 (7.1 left) (3.4 4.2 ft) (4.2 ft) Channel 7 (7.3 left) (3.4 4.2 ft) Channel 6 (Fixed Lens): 4.1 mm Channel 7 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 7 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 7 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 6 (Fixed Lens): 4.1 mm Channel 7 (lumber	4 (Warm light)			Video Bit Rate	
Rest Month Max Month	BLC Yes	Lens Type						Day/Night	Color/B/W
Focal Length	HLC Yes Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 1.0 Channel 2 (Fixed Lens): 1.10 Channel 2 (Fixed Lens): 1.10 Fixed Channel 1 (PT Lens): 1.17 m (5.28 ft) Channel 2 (Fixed Lens): 1.17 m (5.28 ft) Channel 3 (\$3.7 ft) (\$3.6.7 ft) (\$3.6.4 ft) (\$3.6.4 ft) (\$3.6.4 ft) (\$3.8.7 ft) (\$7.3.16 ft) (\$3.6.4 2 ft) (\$3.8.7 ft) (\$3.8.7 ft) (\$3.6.4 2 ft) (\$3.8.7 ft) (\$3.6.4 2 ft) (\$3.8.7 ft) (\$3.6.4 2 ft) (\$3.8.7			· · · · · ·	red Lens): Fixed	d-focal		BLC	Yes
Max. Aperture	Max. Aperture Channel 2 (Fixed Lens); 3.6 mm Max. Aperture Channel 2 (Fixed Lens); 1.10 Channel 2 (Fixed Lens); 1.10 Channel 2 (Fixed Lens); 1.10 Fixed of View Channel 1 (PT Lens); 1.17 m (5.58 ft) Channel 2 (Fixed Lens); 1.17 m (5.58 ft) Channel 3 (55.7 m 22.3 m 11.1 m 5.6 m (73.16 ft) (36.42 ft) (18.37 ft) Channel 4 (18.27 ft) (73.16 ft) (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens); 1.17 m (5.56 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.11 m 5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.58 ft) Channel 2 (Fixed Lens); 1.17 m (5.6 m (18.27 ft)) Channel 2 (Fixed Lens); 1.17 m (5.58 ft) Channel 2 (Fixed Lens); 1.17 m (lens): 3.6 mm	1		HLC	Yes
Channel 2 (Fixed Lens): F1.0 White Balance Auto; natural; street lamp; outdoor; manual; regional customs (rational parts): F1.0 White Balance Auto; natural; street lamp; outdoor; manual; regional customs (rational parts): F1.0 Channel 2 (Fixed Lens): H: 81²; V: 44²; D: 95² Channel 2 (Fixed Lens): H: 81²; V: 44²; D: 95² Channel 2 (Fixed Lens): 1.7 m (5.58 ft) Channel 3 (Fixed Lens): 1.7 m (5.58 ft) Channel 4 (Fixed Lens): 1.7	Field of View Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 817; V: 44°; D: 95° Channel 2 (Fixed Lens): H: 818; V: 44°; D: 85° Channel 2 (Fixed Lens): H: 818; V: 44°; D: 85° Channel 2	Focal Length		Channel 2 (Fix	ked Lens): 3.6 r			WDR	120 dB
Pried of View Channel 2 (Fixed Lens): H: 81"; V: 44"; D: 95" Gain Control Auto/Manual	Iris Control Fixed Channel 2 (Fixed Lens): H: 81"; V: 44"; D: 95" Close Focus Distance Channel 1 (FT Lens): 1.7 m (5.58 ft) Channel 2 (Fixed Lens): 1.7 m (5.58 ft) Motion Detection OFF/ON (4 areas, rectangular) Lens Detect Observe Recognize Identify (73.16 ft) (36.42 ft) (18.37 ft) (Max. Apertu	re	Channel 2 (Fix	ked Lens): F1.0			White Balance	
Close Focus Distance	Close Focus Distance Channel 1 (PT Lens): 1.7 m (5.58 ft) Lens Detect Observe Recognize Identify Channel 2 (Fixed Lens): 1.7 m (5.58 ft) Channel 1 (PT Lens) (182.74 ft) (73.16 ft) (7	Field of View					o o	Gain Control	Auto/Manual
Lens Detect Observe Recognize Identify	Channel 2 (Fixed Lens): 1.7 m (5.58 ft) Lens Detect Observe Recognize Identify Channel 1 (PT Lens) (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens): 1.1 m (36.42 ft) Channel 2 (Fixed Lens): 1.1 m (36.4	Iris Control		Fixed				Noise Reduction	3D NR
Channel 1 (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) Channel 2 (Fixed Lens) (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) DORI (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) DORI (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) DORI (Detect, Observe, Recognize, Identify) is a standard system (182.66 ft) of defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/project design tool. Intelligence IVS (Perimeter Protection) SMD Plus Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Video The Channel (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) (18.37 ft) (18.37 ft) (18.37 ft) Image Rotation O'/90'/180'/270' (Support 90'/270' with 1080p resolution and lower) Mirror Yes Mirror Yes Privacy Masking 4 areas LDC Yes Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm Event Alarm Event Video	Channel 1 (77 Lens) (182.74 ft) (73.16 ft) (36.42 ft) (183.7 ft) Channel 2 (Fixed Lens) (182.74 ft) (73.16 ft) (36.42 ft) (183.7 ft) DORI Distance DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/project design tool. Intelligence IVS (Perimeter Protection) SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos No SD card; SD card full; SD card error; network disconnection; IP conflict; Idegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; voltage detection; SMD; security exception	Close Focus [Distance					Motion Detection	OFF/ON (4 areas, rectangular)
Channel 2 (Fixed Lens) (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft) (18	Channel 2 (Fixed Lens) (182.74 ft) (73.16 ft) (36.42 ft) (18.37 ft)		Lens	Detect	Observe	Recognize	Identify	Region of Interest (RoI)	Yes (4 areas)
DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/ project design tool. Intelligence IVS (Perimeter Protection) SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video 1 - 1 - 1 - 1 - 5.6 m (18.37 ft) (18.37 ft) (18.37 ft) Mirror Yes Privacy Masking 4 areas LDC Yes Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event	DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool. Intelligence IVS (Perimeter Protection) Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Ither Search State of the search search and the search of the search of the search search of the search of th							Smart Illumination	Yes
Distance Lens DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool. Intelligence	Distance Lens) DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62576-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Intelligence IVS (Perimeter Protection) Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Work together, event extraction and merging to event videos H.265; H.264; H.264H; H.264B; MJPEG (Only supported) Mirror Yes Privacy Masking 4 areas LDC Yes Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	DON	2 (Fixed					Image Rotation	
CEN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool.	CEN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. LDC			(182.74 ft) (73.16 ft				Mirror	Yes
this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Intelligence Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video LDC Yes Yes Audio Yes, built-in Mic Yes, built-in Mic Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event Audio Audio Compression Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event Audio Audio Audio Compression Alarm Event Audio Audio Audio Audio Alarm Event	this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/ project design tool. Intelligence IVS (Perimeter Protection) Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Wideo LDC Yes Audio Audio Wes, built-in Mic Built-in Speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio detection; voltage detection; voltage detection; SMD; security exception		(EN-62676-4)	for defining the	ability of a pe	rson viewing th	ne video to	Privacy Masking	4 areas
Intelligence IVS (Perimeter Protection) SMD SMD Plus Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Audio Built-in MIC Yes, built-in Mic Yes, built-in Mic Suilt-in Speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm Event Alarm Event Alarm Event Alarm Event	Intelligence IVS (Perimeter Protection) SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Wideo H.265; H.264; H.264B; MJPEG (Only supported) Built-in MIC Yes, built-in Mic Yes, built-in Mic Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	this table do n		not reflect intell	igent function	distances. For i	ntelligent	LDC	Yes
Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Wideo Built-in Speaker Yes, built-in speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm Event Alarm Event Alarm Event Alarm Event	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) SMD SMD Plus Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Video H.265; H.264; H.264B; MJPEG (Only supported) Built-in Speaker Yes, built-in speaker Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception				istaliation and	COMMISSIONING	manualy	Audio	
IVS (Perimeter Protection) classification and accurate detection of vehicle and human) SMD SMD Plus Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Alarm Event Alarm Event Smart Search Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	IVS (Perimeter Protection) classification and accurate detection of vehicle and human) Audio Compression G.711a; G.711Mu; PCM; G.726 SMD SMD Plus Alarm Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Video H.265; H.264; H.264B; MJPEG (Only supported) Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	Intelligend	ce					Built-in MIC	Yes, built-in Mic
SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Alarm Event Audio Compression G.711a; G.711Mu; PCM; G.726 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	SMD SMD Plus Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Video Alarm Event A	IVS (Perimete	er Protection)	classification				Built-in Speaker	Yes, built-in speaker
Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	SMD						Audio Compression	G.711a; G.711Mu; PCM; G.726
Smart Search intelligent search, event extraction and merging to event videos No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; smD; security exception	Smart Search intelligent search, event extraction and merging to event videos No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; SMD; security exception	SIVID			r with Smart N	VR to perform	refine	Alarm	
detection, voltage detection, sivib, security exception	H.265; H.264; H.264B; MJPEG (Only supported		1	intelligent search, event extraction and merging to event				Alarm Event	disconnection; IP conflict; illegal access; motion
	Video Compression by sub stream) Network			H.265; H.264; H.264H; H.264B; MJPEG (Only supported			ly supported		detection; voltage detection; SMD; security exception
Video Compression by sub stream) Network		Video Compr					., sapporteu	Network	

Network Port

RJ-45 (10/100 Base-T)

SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; P2P; Bonjour; Auto Registration
Security	Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification syslog; HTTPS; 802.1x; Trusted boot; Trusted execution; Trusted upgrade; Session security; Security warning
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI
User/Host	20 (Total bandwidth: 48 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DSS; DMSS
Mobile Client	Android;iOS
Function	
Light Warning	Warm light warning Flash/Solid on duration: 5 s–30 s Flash frequency: high, medium, low
Sound Warning	Offers 3 sound alarms and supports importing custom sound alarms. Sound: 0–100. Play times can be set from 1 to 10.
PTZ	
Pan/Tilt Range	Channel 1 (PT Lens): Pan: 0° to 350°; Tilt: 0° to 90°; Channel 2 (Fixed Lens): Pan: 0° to 326°; Tilt: –10° to 15°
Manual Control Speed	Pan: 0.1°/s–55.4°/s; Tilt: 0.1°/s–29.3°/s
Preset	300
Preset Speed	Pan: 55.4°/s; Tilt: 29.3°/s
Tour	8 (up to 32 presets per tour)
Power-off Memory	Yes
Idle Motion	Tour;Preset
Certification	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Power	
Power Supply	12 VDC (±30%); PoE (802.3af)
Power Consumption	Basic: 2.3 W (12 VDC); 3.1 W (PoE); Max.: 9.2 W (12 VDC); 10.5 W (PoE) (intelligence on + WDR + illuminator on + PT rotation + speaker on)
Environment	
Operating Temperature	-40 °C to +50 °C (-40 °F to +122 °F)
Operating Humidity	≤95% (RH), non-condensing
Storage Temperature	-40 °C to +50 °C (-40 °F to +122 °F)
Storage Humidity	≤95% (RH), non-condensing

Protection	IP66
Structure	
Casing Material	Plastic
Product Dimensions	110.1 mm \times 159.4 mm \times 210 mm (4.33" \times 6.28" \times 8.27") (L \times W \times H)
Net Weight	0.62 kg (1.37 lb)
Gross Weight	0.87 kg (1.92 lb)

Ordering Information							
Туре	Model	Description					
IP CAMERA	DH-IPC-PTS2249B-E2-S- PV-PRO	2+2MP WizColor Active Deterrance Dual-lens Fixed-focal Pan & Tilt WizSense Network Camera					
	DH-PFM321-EN	DC12V1A Power Adapter					
	DH-PFM321D-EN	DC12V1A Power Adapter					
Accessories (Optional)	DH-PFM320D-EN	DC12V1A Power Adapter					
	PFM900-E	Integrated Mount Tester					
	DHI-TF-P100/256GB	MicroSD Card					

Accessories

Optional:



DH-PFM320D-EN DC12V2A Power Adapter



DH-PFM321-EN DC12V1A Power Adapter



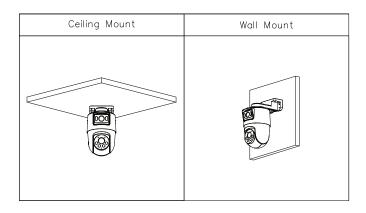
DH-PFM321D-EN DC12V 1A Power Adapter



PFM900-E Integrated Mount Tester



DHI-TF-P100/256GB MicroSD



Dimensions (mm[inch])

