



DH-PTBC400-PV-PRO

4MP WizColor WizSense + Network PT 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

WizColor series cameras utilize groundbreaking technology to capture full-color images at night, overcoming the limitations of darkness. With advanced AI noise reduction and smart recognition, these cameras deliver images with rich colors and clear targets even in low light conditions, and eliminate motion blur in dynamic scenes. Whether in urban or rural settings, this series provides uninterrupted 24-hour high-definition intelligent monitoring for diverse environments.

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.

- 1/1.8" 4Megapixel STARVISTM CMOS.
- · WizColor technology.
- Max. 25/30 fps@4MP.
- · H.265 encoding.
- · SMD3.0.
- · Perimeter protection.
- · Two-way Talk.
- · Auto Tracking(Lite).
- · Preset Patrol.
- · IP66 protection.













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.

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.

IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

SMD 3.0

Empowered by deep-learning algorithms, Dahua SMD filters out motion detection alarms triggered by targets that are not a concern. It quickly recognizes humans and vehicles, triggering alarms when an intrusion occurs.

Technical Specification						Intelligence		
Camera						Smart Tracking	Auto Tracking lite	
Image Sensor	1/1.8" CMOS					SMD	SMD 3.0	
Pixel	4 MP					Active Deterrence	Active Deterrence	
Max. Resolution	2560 (H) × 1440 (V)					Light Warning	Warm light warning Flash duration: 5 s–30 s; Flash frequency: high, medium, low	
ROM	256 MB					Light Warning		
RAM	256 MB						Offers 16 sound alarm and 10 custom sound alarms can	
Electronic Shutter Speed	1 s-1/30,000 s					Sound Warning	be imported. Sound can be set from 0%–100%.	
Scanning System	Progressive					Video	Play times can be set from 1-10.	
Min. Illumination		@F1.0 (Colo				Video Compression	Smart H.265+;H.265;Smart H.264+;H.264B;H.264M; H.264H;MJPEG	
Illumination Distance	30 m (164	.04 ft) (Warr	n light)				4M (2560 × 1440); 1080p (1920 × 1080); 720p (1280	
Illuminator On/Off Control	Manual; auto; off					Resolution	× 720); D1 (704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
Illuminator Number	4 (warm light)					Video Frame Rate	Main stream: 4M/1080p/720p@(1-25/30 fps)	
Lens							Sub stream 1: D1/VGA/CIF@(1–25/30 fps)	
Focal Length	4 mm					Bit Rate Control	CBR/VBR	
Max. Aperture	F1.0					Video Bit Rate	H264: 3,072 kbps–15,104 kbps H265: 1,280 kbps–9,216 kbps	
Field of View	H: 97°; V: 52°; D: 114°					Day/Night	Color/B/W	
Close Focus Distance	2.6 m (8.53 ft)					BLC	Yes	
	Lens	Detect	Observe	Recognize	Identify	WDR	DWDR	
		70.34 m	28.14 m	14.07 m	7.03m	HLC	Yes	
	4 mm	(230.45 ft)	(92.24 ft)	(46.16 ft)	(23.05 ft)	White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp	
DORI Distance			_	nize, Identif) for definir		Gain Control	Auto; manual	
	the ability	of a perso	n viewing t	he video	Ü	Noise Reduction	2D NR; 3D NR	
	covered a		ımbers in t	his table do		Motion Detection	Yes	
		U		distances. Fo efer to insta		Defog	Electronic	
	and comr	missioning r	nanual/pro	oject design	tool.	Digital Zoom	16 x	
PTZ					Image Rotation	180°		
Pan/Tilt Range	Pan: 0° to	345°; Tilt: 0°	to +90°			S/N Ratio	≥55 dB	
Manual Control Speed	Pan: 0.1°-74°/s; Tilt: 0.1°-36.4°/s					Audio		
Preset Speed	Pan: 0.1°-62°/s; Tilt: 0.1°-36.3°/s					Audio Compression	PCM, G.711A, G.711Mu	
Preset	300					Built-in MIC	Yes	
Tour	8 (up to 32 presets per tour)					Built-in Speaker	Yes	
Power-off Memory	Yes					Network		
Idle Motion	Preset;Tour					Network Port	RJ-45 (10/100 Base-T)	
Smart Event	Smart Event						HTTP;HTTPS;TCP/IP;IPv4;RTSP;UDP;SMTP;NTP;DHCP; DNS;DDNS;IPv6;802.1x;SSL;QoS;FTP;UPnP;ICMP;SNMP; IGMP;ARP;RTCP;RTP; PPPoE;RTMP;Bonjour;NFS	
IVS Human Detection	Tripwire and intrusion					Network Protocol		
Vehicle Detection	Yes					Interoperability	ONVIF (Profile S & Profile G & Profile T);CGI;SDK	
verilicie Detection						Streaming Method	Unicast/Multicast	

User/Host	20 (total bandwidth: 64 M)	
Storage	Micro SD card (Up to 256 GB); FTP	
Browser	IE: IE 7 and later versions; Chrome; Firefox; Safari	
Management Software	DMSS; 5 Series NVR; DSS Pro	
Mobile Client	iOS; Android	
Function		
Abnormal Sound Alarm	Yes	
Certification		
Certifications	CE	
Port		
Audio Input	1 channel (built-in mic)	
Audio Output	1 channel (built-in speaker)	
Alarm Linkage	Capture; preset; recording; audio; sending email	
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection	
Power		
Power Supply	12 VDC, 1A ± 10% PoE (802.3af)	
Power Consumption	PoE: Basic: 3.6 W Max: 9.5 W (illuminator + PTZ)	
Power Adapter	Optional	
Environment		
Operating Temperature	−30 °C to +55 °C (−22 °F to +131 °F)	
Operating Humidity	≤95%	
Protection	TVS 2000 V lightning proof; surge protection; voltage transient protection; Waterproof and Dustproof	
Structure		
Product Dimensions	153.5 mm × Φ129.3 mm (6.04" × Φ5.09")	

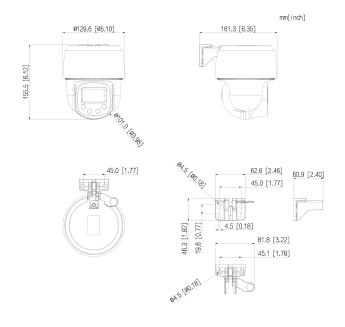
Ordering Information						
Туре	Model	Description				
NETWORK PT CAMERA	DH-PTBC400-PV-PRO	4MP WizColor WizSense + Network PT Camera				

1 kg (2.20 lb)

Installation

Wall Mounted	Ceiling Mounted

Dimensions (mm[inch])



Gross Weight