VTU-PTZ4504LA-BD

4MP 45x True Color Laser Network PTZ Camera



Launched by Viziontech Technology, Viziontech WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms.

System Overview

With its powerful optical zoom and accurate pan, tilt capabilities, the PTZ camera provides an all-in-one solution for long distance video surveillance of outdoor scenes. Together with infrared illumination and Starlight Technology, the camera is a great solution for dark, low light conditions. The series combines a day and night mechanical IR cut filter to produce high quality images in variable lighting conditions during the day, and True WDR for locations with direct sunlight and glare.

Functions

Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology. For scenes that quickly alternate between bright and low lighting, WDR adjusts to fully capture both the bright and dark areas of a scene, producing superior quality videos.

Face Detection

Supports 6 attributes and 8 expressions: Gender, age, glasses, face mask, beard and expressions (anger, sadness, disgust, fear, surprise, calm, happiness, and confusion). It also supports face cutout settings: Face, and single inch photo. Three snapshot methods are also featured: Real-time snapshot, priority snapshot, and quality priority.

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.

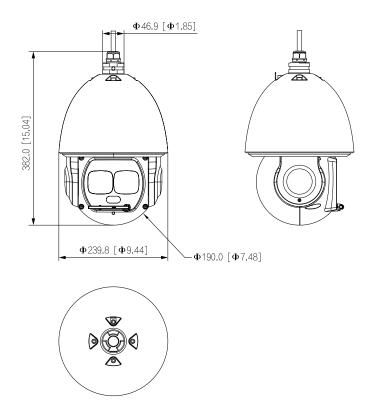
- · 1/2.8" 4Megapixel STARVIS™ CMOS.
- · 45x optical zoom.
- · Starlight technology.
- · Max. 25/30 fps@2560 × 1440.
- The laser illumination distance up to 550 m.
- · Auto tracking 3.0.
- · Perimeter protection.
- · Face detection.
- · Video Metadata.
- · SMD 4.0.
- · IP67.







Dimensions (mm[inch])





Technical Specification						Intelligence	
Camera							Motor vehicle, non-motor vehicle, face, and human
Image Sensor	1/2.8" CMOS					Video Metadata	body detection; optimization; capturing pictures; uploading high-quality face snapshots. Attribute extraction of motor vehicle is also supported, where 10
Pixel	4 MP					attributes can be detected	
Max. Resolution	2560 (H) × 1440 (V)					IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering;
ROM	4 GB						human alarm classification; linkage tracking
RAM	1 GB						Supports face detection, optimization, capturing pictures, uploading high-quality face snapshots and
Electronic Shutter Speed	1 s-1/30,000 s					Face Detection	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
Scanning System	Progressive						
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR/laser light on)						
Illumination Distance	550 m (1804.46 ft)				Auto Tracking	Yes	
Illuminator On/Off Control	Zoom prio; N	lanual; Auto; O	ff			SMD	SMD4.0
Illuminator Number	2 (IR); 1 (laser)					Quick Pick	Yes
Wiper						Video	
Lens	Wiper					Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+
Focal Length	3.95 mm–177.7 mm					Streaming Capability	3 streams
Max. Aperture	F1.6-F4.95					Resolution	4M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 ×
Field of View	H: 63.2°-1.8°; V: 37.6°-1.1°; D: 70.8°-2.1°						480); CIF (352 × 288/352 × 240)
Optical Zoom Focus Control	45×					Video Frame Rate	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)
	Auto; semi-auto; manual					Bit Rate Control	CBR/VBR
Close Focus Distance Iris Control	0.1 m-1 m (0.33 ft-3.28 ft) Auto; manual; iris prio					Video Bit Rate	H.264: 96 kbps-14848 kbps H.265: 38 kbps-8960
	Detect	Observe	Recognize	Identify		Day/Night	kbps Color; B/W; Auto; Electronic
DORI Distance	3,555 m	1,404.2 m	711 m	355.5 m		BLC	Yes
	(11,663.39 ft)	(4,606.96 ft)	(2,332.68 ft)	(1,166.34 ft)		WDR	120 dB
PTZ	D 001 366	20 11				HLC	Yes
Pan/Tilt Range		90°, auto flip 18	80°			White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Manual Control Speed	Pan: 0.1°/s–200°/s Tilt: 0.1°/s–120°/s					Gain Control	Auto; manual; gain prio
Preset Speed	Pan: 240°/s; Tilt: 200°/s					Noise Reduction	2D NR; 3D NR
Preset	300					Motion Detection	Yes
Tour	8 (up to 32 presets per tour)					Region of Interest (RoI)	Yes
Pattern	5					Image Stabilization	EIS
Scan	5					Defog	Electronic
Power-off Memory	Yes					Digital Zoom	16×
Idle Motion	Pattern; Preset; Scan; Tour					Image Rotation	180°
PTZ Protocol	VT-SD Pelco-P/D (Auto recognition)					Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available



C/N D-+:-	> cc do
S/N Ratio	≥ 55 dB
Audio	
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
Network	
Network Port	RJ-45 (10/100 Base-T)
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
Interoperability	CGI; SDK; ONVIF (Profile S&G&T)
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	Micro SD card (512 GB); FTP/SFTP; NAS
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later Versions
Management Software	VTU-VMS
Mobile Client	iOS; Android

Port

	POIL				
	Alarm I/O	7/2			
	Audio I/O	1/1			
	RS-485	1 (baud rate: 1200 bps–115200 bps)			
	Audio Input	1 channel (LINE IN, bare wire)			
	Audio Output	1 channel (LINE OUT,bare wire)			
	Alarm Linkage	Capture; Recording; send email; preset; tour; pattern; alarm digital input			
	Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection			
	Power				
	Power Supply	36 VDC, 2.23 A ± 25% HI-PoE			
	Power Consumption	Basic: 15 W Max: 45 W (illuminator			
	Environment	+PTZ)			
	Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)			
	Operating Humidity	≤ 95%			
	Protection	TVS 6000 V lightning proof; surge protecton; voltage transient protecton; IP67			
	Structure				
	Product Dimensions	382 mm × Φ239.8 mm (15.04" × Φ9.44")			
	Net Weight	6.8 kg (14.99 lb)			
	Gross Weight	9.2 kg (20.28 lb)			

Ordering Information						
Туре	Model	Description				
SD6AL Series	VTU-PTZ4504LA-BD	4MP 45x Starlight Laser Network PTZ Camera				
	DC36V/2.23A	Power Adapter				
	A111	Mount adapter				
	B303W	Bracket				
	B300C	Ceiling Mount				
Accessories	A150	Vertical pole mount				
Accessories	A151+B303W	Corner Mount				
	A150+B300C	Horizontal Pole Mount				
	B301C	Ceiling Mount				
	B301S-E	Plane Mount				
	B303S	Parapet Mount				

Accessories

Included:







DC36V/2.23A Power Adapter

Mount adapter

Bracket

Optional:







Ceiling Mount Bracket

Pole Mount Bracket

Corner Mount Bracket







Horizontal Pole Mount

Ceiling Mount

Plane Mount



Parapet Mount