



VIGILANT PERFORMANCE SERIES



ALIBI VIGILANT 4MP THERMAL OPTICAL BI-SPECTRUM 164FT IR STARLIGHT SMARTSENSE IP BULLET CAMERA WITH RED-BLUE STROBE, MIC AND SPEAKER

Key Specifications:

- + 4.0 megapixel progressive scan CMOS
- + Thermal & Optical dual-spectrum image, dual video with single IP address, adaptable to more various scenes
- + 1/2.8" target surface, high sensitivity sensor, satisfy the need of starlight monitoring
- + Thermal module support reliable fire detection, smoking detection and fire shield area
- + Thermal module supports temperature detection and cold&hot spot tracking which highlights the abnormal temperature, and link to alarm
- + Thermal & Optical dual-spectrum smart intrusion prevention: cross line, enter area, leave area, intrusion
- + Optical module supports smog recognition, which can help with fire alarm reconfirm
- + Support picture-in-picture mode, real-time contrast live, more convenient and clear
- + Support audio and light alarm, with red and blue warning lights built in
- + Ultra 265, H.265, H.264, MJPEG
- + Max 2688*1520@30fps in the optical module and Max 960P@30fps in the thermal module
- + DC12V±25% or PoE power supply
- + Alarm 2 in and 2 out, Audio 1 in and 1 out, Micro SD, up to 512

Thermal cameras detect infrared radiation from wavelength 8m to 14m, and convert it into a thermo graphic images using differences in heat, making it visible regardless of lighting conditions. Thermal camera is widely used in applications such as perimeter security and over-heating detection.

Thermal cameras can be widely used in border, gas stations, chemical plants, museum, machine room, etc. They features excellent detection performance based on Bi-spectrum, fire detection via advanced algorithm, and accurate behavior analysis functions based on deep learning algorithm including line crossing, intrusion, region entry and exit.

The bullet thermal camera features thermal and optical dual-channel. This series offers a variety of products to choose from, with extensive applications, and can be installed both indoors and outdoors, providing perimeter protection and fire detection with high accuracy and sensitivity.

- + **Supports smoke recognition and flame detection functions**, which can effectively prevent the occurrence of fires.
- + **Red and blue warning lights**, with double lamps flashing alerts, double the deterrent effect; Built-in speaker, voice alarm.
- + **Supports thermal and optical dual-channel SIP.**

When you have a wide area to cover, this Alibi bullet security camera with 4.0 MP High-Performance CMOS offers an impressive 164' IR – perfect for in the dark situations. Whether it's 3 pm or 3 am, this versatile indoor/outdoor camera provides clear and crisp video surveillance.

SPECIFICATIONS

CAMERA

Sensor	1/2.8" CMOS	Vanadium Oxide Uncooled Focal Plane Arrays
Min. Illumination	Colour: 0.003 lux (F1.6, AGC ON) B/W: 0.002 lux(F1.6,AGC ON) 0 lux with IR	N/A
Day/Night	IR-cut filter with auto switch (ICR)	N/A
Original Resolution -Thermal	N/A	256*192
Pixel Size	N/A	12 um
NETD	N/A	< 50 mk @ F1.0 @ 25 °C
Shutter	Auto/Manual, 1 - 1/100000s	N/A
WDR	120dB	N/A
S/N	>56dB	N/A

LENS

Focal Length	6.0 mm	7 mm
Iris	F1.6	F1.0
Field of View (H)	53.8°	25.0°
Field of View (V)	29.3°	18.8°
Field of View (D)	66.2°	30.8°

DORI

DORI Distance (Detect)	135.0m(442.9ft)
DORI Distance (Observe)	54.0m(177.2ft)
DORI Distance (Recognize)	27.0m(88.6ft)
DORI Distance (Identify)	13.5m(44.3ft)

ILLUMINATOR

Wavelength	750 nm
Illumination Distance (IR)	50m
Light On/Off Control	Auto/Manual

AUDIO

Audio Compression	G.711U G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ

VIDEO

Frame Rate	4MP(2688*1520), Max 30fps	960P(1280*960), Max 30fps
Video Compression	Ultra 265 H.265 H.264 MJPEG	
Video Bit Rate	128 Kbps - 16 Mbps	
U-code	Support	
ROI	Support	
Video Stream	Triple Streams	
OSD	Up to 8 OSDs	
Privacy Mask	Up to 8 areas (8 blacks/ 8 mosaics)	N/A

IMAGE

White Balance	Auto Outdoor Fine Tune Sodium Lamp Locked Auto 2	N/A
Digital Noise Reduction	2D/3D DNR	
Flip	Normal Flip Vertical Flip Horizontal 180° 90°Clockwise 90°Anti-clockwise	Normal Flip Vertical 180° Flip Horizontal 90°Clockwise 90°Anti-clockwise
Defog	Digital Defog	N/A
Palette-Thermal	N/A	white hot lava iron oxide red hot iron medical arctic rainbow 1 rainbow 2 rainbow 3 depict hot ice hot black hot mazarine fusion red hot green hot color 1 color 2 rain puce

EVENTS

Fire Detection	N/A	Support
Basic Detection	Motion Detection Tampering Alarm Audio Detection	N/A
General Function	Watermark IP Address Filtering Access Policy ARP Protection RTSP Authentication User Authentication HTTP Authentication Alarm Input Alarm Output	

STORAGE

Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR

SPECIFICATIONS

INTELLIGENT

Smart Intrusion Prevention	Cross line detection, Intrusion detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)	Cross line detection, Intrusion detection, Enter area detection, Leave area detection (support false alarm filtering and the classification of human and vehicle)
Smoke and Fire Detection	Support	N/A
Temperature Measurement Accuracy	N/A	±8°C (±14.4°F) or ±8% (whichever is greater)
Temperature Range	N/A	Selectable between -20°C - 150°C (-4°F - 302°F) and 100°C - 550°C (212°F - 1022°F)
Temperature Detection-Thermal	N/A	Thermal channel supports rulebased temperature measurements. Supports realtime display of the highest, lowest, and average temperatures in the rule-defined area on the screen
Smoking Detection-Thermal	N/A	Thermal channel supports the detection of smoking behavior in the environment

CERTIFICATION

EMC	CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 50130-4:2011+A1:2014) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN IEC 62368-1:2020+A11:2020) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529: 1989+AMD1:1999+AMD2:2013)

NETWORK

Protocols	IGMP RTP SMTP IPv4 IPv6 ICMP ARP TCP UDP DHCP PPPoE RTSP RTCP RTMP DNS DDNS NTP FT P UPnP HTTP HTTPS 802.1x SNMP QoS SSL/TLS SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T) API SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Client	Alibi Vigilant CMS Alibi Vigilant Toolbox Alibi Vigilant Mobile
Web Browser	Plugin required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above

INTERFACE

Built-in Mic	Support
Built-in Speaker	Support
Audio I/O	1 Input: impedance 1kΩ; amplitude 2.5V [p-p] 1 Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	2/2
Serial Port	1 channel RS485 interface
Network	1 x RJ45 10M/100M Base-TX Ethernet
Video Output	N/A 1 BNC (For debugging)

GENERAL

Power	DC12V(±25%), PoE(IEEE802.3af)
Power Consumption	Max 12W
Power Interface	Ø 5.5 mm coaxial power plug
Dimensions	269.1 x 95.7 x 83mm (10.6" x 3.75" x 3.25")(L x W x H)
Weight	0.95kg(2.1lb)
Working Environment	-40 °C - 70 °C (-40 °F - 158 °F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40 °C - 70 °C (-40 °F - 158 °F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Support
RTC	Support
Web Client Language	1 Language English

SPECIFICATIONS

LIVE VIEW

Maximum Bitstream	35
Maximum Bandwidth	50Mbps
OSD Font	Vector
OSD Color	Support
OSD Character Number	40

LIVE OTHER

Corridor Mode	Support
Software Version	Q6202

COMPATIBLE BRACKETS



Junction Box
Waterproof Joint



Junction Box for
Bullet Cameras



Junction Box for
Bullet Cameras



Bullet & Dome Corner
Mounting Bracket



Pole Mount Adapter for Bullet
Cameras



Pole Mount Adapter for Bullet
Cameras

DIMENSIONS

