



VIGILANT PERFORMANCE SERIES



ALIBI VIGILANT 4MP THERMAL & OPTICAL DUAL-SPECTRUM TURRET NETWORK CAMERA WITH RED-BLUE STROBE, MIC AND SPEAKER

Key Specifications:

- + 4MP IP turret camera
- + 2.8mm lens
- + 129.4 degrees Field of View (Optical)
- + 90.0 degrees Field of View (Thermal)
- + Starlight technology
- + Built-In Microphone
- + Supports Ultra H.265, H.265, H.264, MJPEG
- + 120dB True WDR
- + Supports up to 512 GB Micro SD-Card
- + NDAA compliant
- + IP67 rating - withstands temps from -22 degrees to 140 degrees Fahrenheit

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 turret thermal camera features compact and portable body design, with powerful smart features, making it more suitable for indoor scenarios, 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.

SPECIFICATIONS

CAMERA

Sensor	1/2.8" CMOS	Vanadium Oxide Uncooled Focal Plane Arrays
Min. Illumination	Colour: 0.01 lux (F2.0, AGC ON) B/W: 0.005 lux(F2.0,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	2.6 mm	2.1 mm
Iris	F1.6	F1.0
Field of View (H)	129.4°	90.0°
Field of View (V)	69.9°	65.6°
Field of View (D)	168.2°	117.0°

DORI

DORI Distance (Detect)	58.5m(191.9ft)
DORI Distance (Observe)	23.4m(76.8ft)
DORI Distance (Recognize)	11.7m(38.4ft)
DORI Distance (Identify)	5.9m(19.2ft)

ILLUMINATOR

Wavelength	750 nm
Illumination Distance (IR)	30m
Light On/Off Control	Auto/Manual

AUDIO

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

VIDEO

Frame Rate	4MP(2688*1520), Max 30fps	960P(1280*960), Max 30fps
Video Compression	Ultra 265 H.265 H.264 MJPEG	Ultra 265 H.265 H.264 MJPEG
Video Bit Rate	128 Kbps - 16 Mbps	128 Kbps - 16 Mbps
U-code	Support	Support
ROI	Support	Support
Video Stream	Triple Streams	Triple Streams
OSD	Up to 8 OSDs	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 Auto2	N/A
Digital Noise Reduction	2D/3D DNR	2D/3D DNR
Flip	Normal Flip Vertical Flip Horizontal 180° 90°Clockwise 90°Anti-clockwise	Normal Flip Vertical Flip Horizontal 180° 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

STORAGE

Edge Storage	Micro SD, up to 512 GB	Micro SD, up to 512 GB
Network Storage	ANR	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	±8 °C (±14.4 °F) or ± 8% (whichever is greater)	±8 °C (±14.4 °F) or ± 8% (whichever is greater)
Temperature Range	Selectable between -20 °C - 150 °C (-4 °F - 302 °F) and 100 °C - 550 °C (212 °F - 1022 °F)	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 rule-based temperature measurements. Supports real-time 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

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	Watermark IP Address Filtering Access Policy ARP Protection RTSP Authentication User Authentication HTTP Authentication Alarm Input Alarm Output

NETWORK

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

INTERFACE

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

SPECIFICATIONS

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)	CE-EMC (EN 55032: 015+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)	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)	CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/ 19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC60529:19 89+AMD1:1999+A MD2:2013)	IP67 (IEC 60529:1989+ AMD1:1999+ AMD2:2013)

LIVE VIEW

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

GENERAL

Power	DC12V(±25%), PoE(IEEE802.3af)	DC12V(±25%), PoE (IEEE802.3af)
Power Consumption	Max 12W	Max 12W
Power Interface	Ø 5.5 mm coaxial power plug	Ø 5.5 mm coaxial power plug
Dimensions	129 x 114 mm(5.08" x 4.49") (x H)	129 x 114 mm(5.08" x 4.49")(x H)
Weight	0.72kg(1.6lb)	0.72kg(1.6lb)
Working Environment	-40 °C - 70 °C (-40 °F - 158 °F), Humidity: ≤95% RH (non- condensing)	-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)	-40 °C - 70 °C (-40 °F - 158 °F), Humidity: ≤95% RH (non- condensing)
Surge Protection	6KV	6KV
Reset Button	Support	Support
RTC	Support	Support
Web Client Language	1 Language English	1 Language English

OTHER

Corridor Mode	Support	Support
Software Version	Q6202	Q6202

COMPATIBLE BRACKETS



Junction Box
Waterproof Joint



Fixed Dome and Fisheye
Junction Box



Fixed Dome Outdoor Wall
Mount with Junction Box



Bullet & Dome Corner Mounting
Bracket



Pole Mount



3-inch Fixed Dome Indoor Wall
Mount

DIMENSIONS

