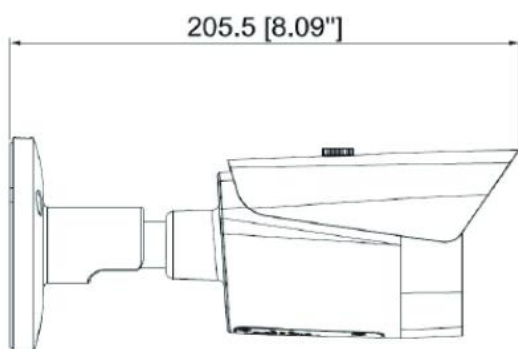
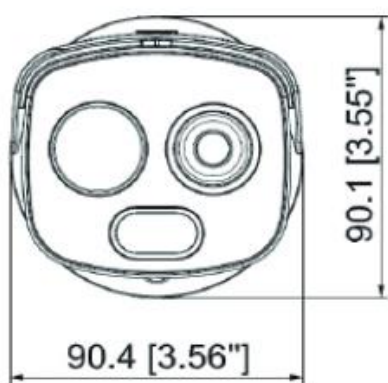




Telecamera bullet termica

Camera IP termica bullet Ibrida da esterno/interno con sistema Dual-Lens, doppia ottica termica e doppio sensore, IP67, risoluzione fino a 4MP@25fps per l'ottica visibile con Illuminatore IR fino a 30 metri, ICR meccanico, WDR, 2 uscite video, 1 ingresso e 1 uscita audio, 1 ingresso e 1 uscita di allarme, 1 porta RS485, 1 slot per MicroSD-Card (max 256Gb), Perimeter Protection, Video Analisi e Allarme, deterrenza attiva con segnalazione Led Strobo e altoparlante incorporato, alimentazione 12Vdc, o PoE <14W, compatibile ONVIF. (205.5mm×90.4mm×90.1mm)

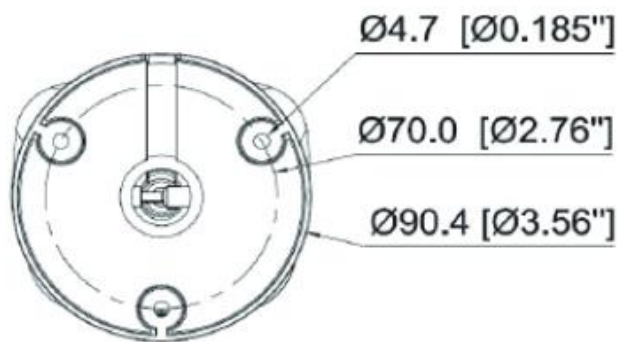
PIXVIDEO



CARATTERISTICHE TECNICHE

Technical Specification

Model	NBF405THET
Thermal	
Detector Type	Vanadium Oxide Uncooled FPA
Max. Resolution	256 × 192
Pixel Pitch	12 μm
Spectral Range	8 μm–14 μm
Thermal Sensitivity (NETD)	< 50 mK (@f/1.0, 25 Hz, 300 K)
Aperture	F1.0
Digital Detail Enhancement (DDE)	Yes
Digital Zoom	16×
AGC	Auto; Manual
Noise Reduction	2D NR; 3D NR
Image Flip	90°; 180°; 270°
Color Palettes	18 (Whitehot; Blackhot; Ironrow; Icefire; Fusion; Rainbow; Globow; Iconbow1; Iconbow2, etc.)
Fusion Mode	3 (Warm color; Cool color; Ironred)
Visible	
Image Sensor	1/2.7" CMOS
Max. Resolution	2336 × 1752
Pixel	4 MP
Electronic Shutter Speed	1/30,000 s–1 s
Min. Illumination	Color: 0.05 lux Black & white: 0.005 lux 0 lux (IR on)
IR Illumination Distance	≥ 30 m (98.43 ft)
IR Illuminator On/Off Control	Auto; Manual
Focus Control	Fixed
Day/Night	Auto (ICR); Color; B/W
BLC	Yes
WDR	DWDR
HLC	Yes
White Balance	Auto; Manual; Indoor; Outdoor; Tracking; Street lamp; Natural
AGC	Auto; Manual
Noise Reduction	2D NR; 3D NR
S/N Ratio	≥ 55 dB
Region of Interest (RoI)	Yes
Image Flip	90°; 180°; 270°
Exposure Compensation	Yes
Intelligence	
General Intelligence	Tripwire; Intrusion Fire Detection & Alarm Cold & Hot Spot Trace
Advanced Intelligence	Human & Vehicle Classification Smoking Detection Call Detection



Temperature Measurement	
Temperature Range	Low Temperature Mode: -20 °C to +150 °C (-4 °F to +302 °F) High Temperature Mode: 0 °C to +550 °C (+32 °F to +1022 °F)
Temperature Accuracy	Max (± 2 °C, ± 2%) Operating Temperature: -20 °C to +50 °C (-4 °F to +122 °F)
Temperature Mode	Spot: 12 Line: 12 Area: 12 Support 12 rules simultaneously
Video and Audio	
Video Compression	H.265; H.264M; H.264H; H.264B; MJPEG
Resolution	Thermal: Main Stream: 1280 × 960 (1.3M); X VGA (1024 × 768); VGA (640 × 480); 256 × 192; 1280 × 960 (by default) Sub Stream: VGA (640 × 480); 256 × 192; 256 × 192 (by default) Visual: Main Stream: 2336 × 1752; 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576); 2336 × 1752 (by default) Sub Stream: 720p (1280 × 720); D1 (704 × 576); CIF (352 × 288); 352 × 288 (by default)
Frame Rate	Thermal 50 Hz: (main stream) 1 fps–25 fps adjustable, 25 fps by default; (sub stream) 1 fps–25 fps adjustable, 15 fps by default 60 Hz: (main stream) 1 fps–30 fps adjustable, 30 fps by default; (sub stream) 1 fps–30 fps adjustable, 15 fps by default Visual 50 Hz: (main stream) 1 fps–25 fps adjustable, 25 fps by default; (sub stream) 1 fps–25 fps adjustable, 15 fps by default 60 Hz: (main stream) 1 fps–30 fps adjustable, 30 fps by default; (sub stream) 1 fps–30 fps adjustable, 15 fps by default
Audio Compression	G.711a; G.711mu; PCM
Network	
Protocol	HTTPS; HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP; QoS; UPnP; NTP
Edge Storage	Micro SD card (256 G)
Interoperability	ONVIF; CGI
Browser	IE: IE 8 and later Google: 42 and earlier Firefox: 42 and earlier
User/Host	10
Security	Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access

Port	
Network	One 10/100 M Ethernet port (RJ-45)
Audio Input	1
Audio Output	1
Alarm Input	1
Alarm Output	1
RS-485	1 pair
Power	
Power Supply	12 VDC (± 20%) PoE
Power Consumption	Basic: < 8 W (LED off) Max: < 14 W (LED on, heater on)
Environment	
Operating Temperature	−30 °C to +50 °C (−22 °F to + 122 °F)
Storage Temperature	−30 °C to +70 °C (−22 °F to + 158 °F)
Operating Humidity	≤ 95%
Protection	IP67; anti-surge 6 kV; anti-elctrostatic 6 kV (touched by objects); anti-elctrostatic 8 kV (air)
Structure	
Product Dimensions	205.5 mm × 90.4 mm × 90.1 mm (8.09" × 3.56" × 3.55")
Packaging Dimensions	279 mm × 187 mm × 138 mm (10.98" × 7.36" × 5.43")
Net Weight	≤ 0.9 kg (1.98lb)
Gross Weight	≤ 1.3 kg (2.87lb)

THERMAL

Focal Length	3.5 mm	7 mm	10 mm
Field of View	H: 50.6°, V: 37.8°	H: 24°, V: 18°	H: 17.3°, V: 13.1°
Close Focus Distance	0.5 m (1.64 ft)	1.0 m (3.28 ft)	2.0 m (6.56 ft)
Effective Distance ^① Human (1.8 m × 0.5 m)	D ^② : 146 m (479 ft) R ^③ : 38 m (125 ft) I ^④ : 19 m (622 ft)	D: 292 m (958 ft) R: 75 m (246 ft) I: 38 m (125 ft)	D: 417 m (1,368 ft) R: 107 m (351 ft) I: 54 m (177 ft)
Effective Distance Vehicle (4.0 m × 1.4 m)	D: 389 m (1,276 ft) R: 97 m (318 ft) I: 49 m (161 ft)	D: 778 m (2,552 ft) R: 194 m (636 ft) I: 97 m (318 ft)	D: 1,111 m (3,645 ft) R: 278 m (912 ft) I: 139 m (456 ft)

Note:

① Effective Distance: The optimal values calculated according to Johnson's Criteria. They are for reference only. The actual performance depends on environmental conditions.

② D (Detection Distance): Detects objects, but cannot recognize their characteristics. Detected objects only cover a small amount of pixels (objects must cover more than 3.6 pixels of the image).

③ R (Recognition Distance): Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image).

④ I (Identification Distance): Classifies objects into specific categories based on their characteristics, such as soldier, pickup truck, and gas station (the object must cover more than 28 pixels of the image).

VISIBLE

Focal Length	4 mm	8 mm	12 mm
Aperture	F1.6	F2.0	F2.0
Field of View	H: 71.2° V: 52° D: 92.6°	H: 33.4° V: 25° D: 41.9°	H: 22° V: 16.6° D: 26.9°
Focus Control	Fixed		
Close Focus Distance	1.0 m (3.28 ft)	2.5 m (8.2 ft)	2.5 m (8.2 ft)

Temperature Measurement Range			
Focal Length	3.5 mm	7 mm	10 mm
Min Distance	1 m	3 m	4 m
Max Distance	5 m	8 m	12 m