

ULT-TPC-BF1441-T

Thermal Network Hybrid Bullet Camera



- · Vanadium oxide uncooled focal plane detector.
- \cdot 1/1.8" 4Megapixel progressive scan CMOS.
- · Heat detection and alarm, tripwire, intrusion, and target filtering.
- · Junction box optional.
- · Illumination distance is up to 80 m.
- · IP67 rated.
- · Wide input voltage 12 VDC ± 20%, and PoE power supply.
- · Smart linkage of white light and audio.
- · Temperature measurement range of -20 °C to +550 °C.

System Overview

The Thermal Network Hybrid Bullet Camera provides an all-in-one solution for video monitoring whether day or night. It has 18 different kinds of thermal pseudo-color modes. It also offers tripwire, intrusion, and multiple types of intelligence analysis functions such as calling, smoking and fire.

Functions

Uncooled VOx Technology Ultty thermal cameras use uncooled VOx sensor technology. The detector is small-sized, and highly sensitive allowing the camera to reveal images in greater detail, giving you more visual information on a monitored site. It also improves the accuracy of temperature measurements, ensuring that even minute temperature changes are detected.

AI Functions

Supports multiple intelligent functions such as heat detection, tripwire, intrusion, and person and vehicle classification detection. It supports alarm linkages, such as sending emails and triggering external alarms.

Heat Detection & Alarm

With its extended detection range, the camera can detect heat sources that are in locations distant to it. It is also highly sensitive to temperature changes, allowing the accuracy of its heat source detection to be higher than cameras that work in the visible light range.

Environment (-30 °C to +70 °C)

Developed to operate in extreme conditions, the camera can function in temperatures ranging from $-30~^{\circ}\text{C}$ to $+70~^{\circ}\text{C}$ ($-22~^{\circ}\text{F}$ to $+158~^{\circ}\text{F}$). It was subjected to rigorous dust and water immersion tests, gaining its IP66 certification, making it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper (optional) provides users with clear visibility at all times.

Temperature Measurement (-20 °C to +550 °C) Ultty thermal cameras (-T models) remotely measure temperatures. They are customizable, allowing you to freely set threshold alarms. Whether day or night, the temperature of objects can be measured, making the camera ideal for use in power plants or at oil extraction sites where overheating can be dangerous. When the temperature exceeds the set threshold, an alarm is immediately triggered. The camera can function in temperatures ranging from -20 °C to 550 °C (-4 °F to 1022 °F).

Scene

Ideal for locations that require fire protection such as factories, transit stations, equipment rooms, substations, computer rooms, and more. It is also great for enhancing the perimeter protection of industrial sites, historical and cultural sites, coal yards, and compounds with buildings.

Detector Type	Technical Specification	on		18 (white hot/black hot/fusion/rainbow/golden
Effective Pixels	Thermal		Color Palettes	
Process Park 20 mm 20	Detector Type	Vanadium oxide uncooled focal plane detector		Low temperature mode:
	Effective Pixels	400 (H) × 300 (V)	Image Sensor High temperature mode 0 °C (+34 °F) to +550 °C	-20 °C (-4 °F) to +150 °C (+302 °F)
Servicivity (NETD)	Pixel Pitch	17 μm		0 °C (+34 °F) to +550 °C (+1022 °F)
Semilarity (NETD)	Spectral Range	8 μm-14 μm		Max. (±2 °C, ±2%)
15 mm + 18-04 17 cm + 18-04 15 mm + 18-04 15 mm + 18-04 15 mm + 18-05 15 mm + 18-0	Sensitivity (NETD)	≤35 mK (@f/1.0)	Max. Resolution	
75 mm; 1.2 m (3.03 ft) 13 mm; 2 m (9.13 f	Field of View	13 mm: H:30.4°; V: 22.5° 19 mm: H:20.3°; V: 15.3° 25 mm: H:15.5°; V: 11.6°	Pixel	Line: 12 Area: 12
13 mm; 2 m m m m m m m m m m m m m m m m m	Thermal Focus Control	Fixed-focal	Visible	
25 mm. 9 m [28.35 ft] 35 mm. 5 m [18.10 ft] 35 mm. Vehicle - 1.90 m [3.24 ft] 31 mm. Vehicle - 1.90 m [3.24 ft] 32 mm. Vehicle - 1.90 m [3.25 ft] 32 mm. Vehicle -			1/1.8" CMOS	
Pixel 4 MP Human: 220 mr (21.7 mt) Human: 28 mr (18.35 mt) Human: 28 mr (18.37 mt) Human: 28 mr (18.38 mt) Human: 29 mr (18.38 mt) Human: 20 m	Close Focus Distance	25 mm: 9 m (29.53 ft)	Max. Resolution	2688 (H) × 1520 (V)
13 mm. Vehicle: 2,101 on (3,342,32); Homizontal Definition 21100 TVL Homizontal Policy 21100		7.5 mm: Vehicle: 588 m (1,929.11 ft);	Pixel	4 MP
Detection Distance(1)		13 mm: Vehicle: 1,019 m (3,342.32);	Horizontal Definition	≥1100 TVL
35 mm. vehicle: 2745 m (9,003.60 ft); Human: 1,029 m (13,759.4 ft) Visible Noise Reduction 2D NR/3D NR	Detection Distance ①	19 mm: Vehicle: 1,490 m(4,887.20ft);	Black & white: 0.001 lux	
7.5 mm. Vehicle: 147 m (482.27 ft); Visible Noise Reduction 20 NR/3D NR			Visible AGC	Auto/Manual
13 mm; Vehicle; 255 m (83.60 tt); 19 mm; Vehicle; 372 m (12,20.45 tt); 19 mm; Vehicle; 372 m (12,20.45 tt); 10 mm; Vehicle; 480 m (1,60.759 ft); 10 mm; Vehicle; 480 m (1,60.759 ft); 10 mm; Vehicle; 480 m (1,60.759 ft); 10 mm; Vehicle; 686 m (2,25.062 ft); 10 mm; Vehicle; 673 m (239.50 ft); 10 mm; Vehicle; 127 m (416.66 ft); 10 mm; Vehicle; 127 m (416.56 ft); 10 mm; Vehicle; 128 m (80.3.9			Visible Noise Reduction	2D NR/3D NR
19 mm: vehicle: 372 m (1,20.45 ft); White Balance Auto; manual; indoor; outdoor; tracking; sodium lamp; street lamp; natural 25 mm: vehicle: 490 m (1,607.59 ft); Human: 189 m (6,00.07 ft) 35 mm: vehicle: 686 m (2,750.62 ft); Human: 189 m (6,613 ft) 7.5 mm: Vehicle: 73 m (239.50 ft); Human: 28 m (19.86 ft) 13 mm: vehicle: 17 m (416.66 ft); Human: 9 m (160.07 ft) 19 mm: vehicle: 180 m (610.22 ft); Human: 19 m (10.07 ft) 19 mm: vehicle: 180 m (610.22 ft); Human: 19 m (10.07 ft) 19 mm: vehicle: 180 m (610.22 ft); Human: 19 m (10.07 ft) 10 mm: vehicle: 343 m (1125.31 ft); Human: 132 m (433.06 ft) Human: 132 m (433.06 ft) Iris Control Fixed		13 mm: Vehicle: 255 m (836.60 ft); Human: 98 m (321.51 ft) 19 mm: Vehicle: 372 m (1,220.45 ft); Human: 143 m (469.15 ft) 25 mm: Vehicle: 490 m (1,607.59 ft); Human: 189 m (620.07 ft) 35 mm: Vehicle: 686 m (2,250.62 ft); Human: 264 m (866.13 ft)	S/N Ratio	>55 dB
Human: 189 m (20.07 ft) 35 mm: Vehicle: 686 m (2.25 0.62 ft); Human: 264 m (86.61 aft) 7.5 mm: Vehicle: 686 m (2.25 0.62 ft); Human: 28 m (9.186 ft) 13 mm: Vehicle: 17 m (416.66 ft); Human: 49 m (160.76ft) 13 mm: Vehicle: 17 m (416.66 ft); Human: 49 m (160.76ft) 13 mm: Vehicle: 186 m (610.22 ft); Human: 49 m (160.76ft) 25 mm: Vehicle: 245 m (803.79 ft); Human: 132 m (433.06 ft) 25 mm: Vehicle: 245 m (803.79 ft); Human: 132 m (433.06 ft) 15 mm: Vehicle: 245 m (803.79 ft); Human: 132 m (433.06 ft) 16 mage Flip 180'; Mirror Note: 10 Detection Distance: Detects objects, but cannot recognize their characteristics. Detected objects only cover a small amount of pixels (objects must cover more than 36 pixels of the image). 27 Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 28 pixels of the image). 28 Oligital Detail Enhancement (Pope) 19 Jevels Thermal AGC Auto/Manual Defog Electronic defog Electronic defog Electronic Shutter Speed 1 s-1/30,000 s (auto/manual) BLC Yes WDR Ves HLC Yes Day/Night Auto (ICR); Color; B/W Iris Control Fixed Human: 28 m (9.186 ft) Human: 49 m (140.76ft) Iris Control Fixed Field Fixed Field Fixed Field Fixed Focus Control Fixed-focal Fixed-foca	Recognition Distance②		White Balance	
Human: 26 m (866.13 ft) 7.5 mm: Vehicle: 73 m (239.50 ft);			Defog	Electronic defog
Human: 28 m (91.86 ft) 13 mm: Vehicle: 127 m (140.66 ft); Human: 49 m (160.76 ft) 19 mm: Vehicle: 186 m (610.22 ft); Human: 71 m (232.93 ft) 25 mm: Vehicle: 434 m (1125.31 ft); Human: 132 m (433.06 ft) Note: (1) 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). (2) Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). (3) 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). Digital Detail Enhancement (DDE) Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual BBC WDR Yes WDR Yes HLC Yes Day/Night Auto (ICR); Color; B/W Day/Night Auto (ICR); Color; B/W Auto (ICR); Color; B/W Day/Night Auto (ICR); Color; B/W Day/Night Auto (ICR); Color; B/W Auto (ICR); Color; B/W Day/Night A			Electronic Shutter Speed	1 s-1/30,000 s (auto/manual)
Identification Distance: Identification Distance: Identification Distance: Identification Distance: Identification Distance: In min Vehicle: 186 m (610.22 ft); Human: 71 m (232.93 ft) 25 mm: Vehicle: 245 m (803.79 ft); Human: 94 m (308.39 ft) 35 mm: Vehicle: 245 m (803.79 ft); Human: 94 m (308.39 ft) 35 mm: Vehicle: 245 m (803.79 ft); Human: 132 m (433.06 ft) Note: Inage Flip Ina			BLC	Yes
Identification Distance 3 Human: 71 m (232.93 ft) 25 mm: Vehicle: 245 m (803.79 ft); Human: 94 m (308.39 ft) 35 mm: Vehicle: 343 m (1125.31 ft); Human: 132 m (433.06 ft) Note: ① 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). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Human: 71 m (232.93 ft) Day/Night Auto (ICR); Color; B/W Auto (ICR); Color; B/W Iris Control Fixed Exposure Compensation Yes Visible Focus Control Fixed-focal Fixed-focal Fixed-focal Exposure Compensation Yes Visible Focus Control Fixed-focal Fixed-focal Fixed-focal Color: Bixed-focal Fixed-focal Fixed-focal Fixed-focal Fixed-focal Cister Focus Control Fixed-focal Fixed-focal Fixed-focal Cister Focus Control Fixed-focal Fixed-foca		13 mm: Vehicle:127 m (416.66 ft); Human: 49 m (160.76ft) 19 mm: Vehicle: 186 m (610.22 ft); Human: 71 m (232.93 ft) 25 mm: Vehicle: 245 m (803.79 ft); Human: 94 m (308.39 ft) 35 mm: Vehicle: 343 m (1125.31 ft);	WDR	Yes
Human: 94 m (300.39 ft) 35 mm: Vehicle: 343 m (1125.31 ft); Human: 132 m (433.06 ft) Note: ① 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). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Day/Night Auto (ICR); Color; B/W Iris Control Fixed Exposure Compensation Yes Visible Focus Control Fixed-focal #mm: H: 87.0°; V: 47.3° 6 mm: H: 87.0°; V: 47.3° 6 mm: H: 87.0°; V: 47.3° 6 mm: H: 85.3°; V: 30.0° 12 mm: H: 15.5°; V: 11.6° Thermal AGC Auto/Manual Day/Night Auto (ICR); Color; B/W Iris Control Fixed Field of View Field of View Close Focus Distance Close Focus Distance Close Focus Distance Close Focus Distance Aperture Aperture Aperture Aperture Illuminator On/Off Control Auto; manual	Identification Biston (2)		HLC	Yes
Note: ① 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). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Iris Control Fixed Image Flip 180°; Mirror Exposure Compensation Yes Visible Focus Control Fixed Fixed Image Flip 180°; Mirror Exposure Compensation Yes Visible Focus Control Fixed Fixed Image Flip 180°; Mirror Control Fixed Image Flip 180°; Mirror Exposure Compensation Yes Visible Focus Control Fixed Fixed Image Flip 180°; Mirror A mm: H: 87.0°; V: 47.3° 6 mm: H: 55.3°; V: 3.00° 12 mm: H: 73.3°; V: 21.4° 10 -30 mm: H: 15.5°; V: 11.6° Field of View Field of View Field of View Field of View Close Focus Distance Close Focus Distance 4 mm: H: 87.0°; V: 47.3° 6 mm: H: 55.3°; V: 3.00° 10 -30 mm: H: 15.5°; V: 11.6° Thermal AGC Auto/Manual Aperture Aperture Illuminator On/Off Control Illuminator On/Off Control	Identification Distance(3)		Day/Night	Auto (ICR); Color; B/W
Note: ① 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). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Pages Flip. 180°- Mirror.			Iris Control	Fixed
① 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). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Exposure Compensation Yes Visible Focus Control Fixed-focal Visible Focus Control Fixed-focal Field of View Close Focus Distance Close Focus Distance Amm: 1.2 m (3.93 ft) 6 mm: 2.5 m (8.20 ft) 12 mm: 7.4 m (24.27 ft) 10–30 mm: 9 m (29.53 ft) Thermal AGC Auto/Manual Illuminator On/Off Control Auto; manual	Notes		Image Flip	180°; Mirror
must cover more than 3.6 pixels of the image). ② Recognition Distance: Classifies objects into general categories, such as human, vehicle, and building (the object must cover more than 14 pixels of the image). ③ 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Visible Focus Control Fixed-focal 4 mm: H: 87.0°; V: 47.3° 6 mm: H: 55.3°; V: 30.0° 12 mm: H: 55.3°; V: 30.0° 12 mm: H: 55.5°; V: 11.6° 6 mm: H: 55.3°; V: 30.0° 12 mm: H: 55.5°; V: 11.6° Close Focus Distance Close Focus Distance Close Focus Distance 4 mm: 1.2 m (3.93 ft) 12 mm: 7.4 m (24.27 ft) 10-30 mm: 9 m (29.53 ft) 4 mm: F1.6 6 mm: F1.6 6 mm: F1.6 6 mm: F1.6 7 mm: F1.7 10-30 mm: F1.7 10-30 mm: F1.7 10-30 mm: F1.7 10-30 mm: F1.7	1 Detection Distance: Dete	① Detection Distance: Detects objects, but cannot recognize their Export characteristics. Detected objects only cover a small amount of pixels (objects must cover more than 3.6 pixels of the image).	Exposure Compensation	Yes
human, vehicle, and building (the object must cover more than 14 pixels of the image). 3 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). Digital Detail Enhancement (DDE) Digital Zoom 19 levels Thermal AGC Auto/Manual Thermal Noise Reduction Pield of View Field of View Field of View Field of View 12 mm: H:37.0°; V: 47.3° 6 mm: H:55.3°; V: 21.4° 10–30 mm: H: 15.5°; V: 11.6° Close Focus Distance Close Focus Distance 4 mm: H: 87.0°; V: 47.3° 6 mm: H: 55.3°; V: 20.0° 10–30 mm: H: 15.5°; V: 11.6° Close Focus Distance 4 mm: 1.2 m (3.93 ft) 12 mm: 7.4 m (24.27 ft) 12 mm: F1.6 6 mm: F1.6 6 mm: F1.6 12 mm: F1.7 10–30 mm: F1.7 10–30 mm: F1.7 Illuminator On/Off Control Auto; manual	must cover more than 3.6		Visible Focus Control	Fixed-focal
Digital Detail Enhancement (DDE) Pigital Zoom 19 levels Thermal AGC Auto/Manual Thermal Noise Reduction 180°: Mirror Close Focus Distance Close Focus Distance 4 mm: 1.2 m (24.27 ft) 10–30 mm: 9 m (29.53 ft) 4 mm: F1.6 6 mm: F1.6 12 mm: F1.6 12 mm: 7.4 m (24.27 ft) 10–30 mm: 9 m (29.53 ft) Illuminator On/Off Control Auto; manual	human, vehicle, and build image). (3) Identification Distance: C their characteristics, such	ling (the object must cover more than 14 pixels of the lassifies objects into specific categories based on as soldier, pickup truck, and gas station (the object	Field of View	6 mm: H: 55.3°; V: 30.0° 12 mm: H:37.3°; V: 21.4°
Digital Zoom 19 levels Aperture Aperture Aperture Aperture Aperture Aperture Aperture 12 mm: F1.6 12 mm: F1.7 10–30 mm: F1.7 10–30 mm: F1.7 Illuminator On/Off Control Auto; manual	Digital Detail Enhancement		Close Focus Distance	6 mm: 2.5 m (8.20 ft) 12 mm: 7.4 m (24.27 ft)
Thermal AGC Auto/Manual Aperture 12 mm: F1.7 10–30 mm: F1.7 10–30 mm: F1.7 Illuminator On/Off Control Auto; manual Image Flip 180°: Mirror	, ,	19 levels		
Illuminator On/Off Control Auto; manual	Thermal AGC	Auto/Manual	Aperture	12 mm: F1.7
Image Flip 180°; Mirror Illumination Distance 80 m (262.47 ft)	Thermal Noise Reduction	2D NR/3D NR	Illuminator On/Off Control	Auto; manual
	Image Flip	180°; Mirror	Illumination Distance	80 m (262.47 ft)

Audio and Video		Port					
Video Compression	H.265; H.264M; H.264H; H.264B	Analog Output		output; BNC th a junction		upported by	the
	T her mal: Main stream: 1280×1024 ; 1280×960 ; 1280×720 ;	Network Port	1 × RJ-45	(10/100 Bas	se-T)		
	400 × 300; 1280 × 960 (default) Sub stream: 640 × 512; 640 × 480; 400 × 300;	Alarm Input	2				
Resolution	400 × 300 (default) V isible: Main stream: 2688 × 1520; 2560 × 1440; 1920 × 1080;	Alarm Output	2				
	1280 × 720); 704 × 576; 2560 × 1440 (default) Sub stream: 704 × 576; 352 × 288; 704 × 576 (default)	Audio Input	1				
	Thermal (50 Hz):	Audio Output	1				
Main stream: 1 fps–25 fps, 25 fps by default Sub stream: 1 fps–25 fps, 15 fps by default	RS-485	1					
	Visible (50 Hz): Main stream: 1 fps-25 fps, 15 fps by default Main stream: 1 fps-25 fps, 25 fps by default	Power					
Video Frame Rate	Sub stream: 1 fps=25 fps, 25 fps by default Thermal (60 Hz):	Power Supply	12 VDC ± 20%, PoE (802.3af), ePoE				
	Main stream: 1 fps–30 fps, 30 fps by default Sub stream: 1 fps–30 fps, 15 fps by default Visible (60 Hz):	Power Consumption				ter off, speaker off) iter on, speaker on)	
	Main stream: 1 fps–30 fps, 30 fps by default Sub stream: 1 fps–30 fps, 15 fps by default	еРоЕ	Yes				
Audio Compression	G.711a; G.711 mu	Environment					
Image Encoding Format	JPEG	Operating Temperature	−30 °C to	+70 °C (-22	°F to +158	°F)	
Function		Operating Humidity	≤95%				
Two-way Audio	Yes	Storage Temperature	–40 °C to	+70 °C (-40	°F to +158	°F)	
Sound and Light Alarm	Local audio and white light alarm prompts	Physical Characteristic	CS				
Network Protocol	IPv4/IPv6; HTTP; HTTPS; 802.1x; QoS; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP;	Protection	IP67	tection: 6 k'	V		
Region of Interest (RoI)	ICMP; DHCP; PPPoE Yes (customizable)	Reliability	Air discha		5 kV		
Storage	FTP; Micro SD card (512 GB, hot swapping)	Structure					
Interoperability	ONVIF; CGI; Ultty SDK	Product Dimensions			m × 120.1 m	nm (11.85" ×	5.13"×
Browser	IE; Firefox; Chrome; Safari		4.73") (L × 423 mm ×		178 mm (16	5.65" × 7.09'	' × 7.01")
	Up to 20 (total bandwidth: 64 MB)	Packaging Dimensions	$(L \times W \times H)$		·		,
User/Host	Authorized username and password; attached MAC	Net Weight	≤2.35 kg (5.18 lb)			
Security	address; controlled network access	Gross Weight	≤2.7 kg (5	.95 lb)			
User Management	Up to 20 users; supports multi-level user permissions (2	Lens	Included				
OSCI Wanagement	levels): management group and user group Network disconnection detection; IP conflict detection;	Certification					
Malfunction Detection	memory card state detection; memory space detection	Certifications	CE/FCC				
Fusion Mode	Yes. Off by default	Temperature Measuren	nent Dist	ance			
PIP	Yes	Focal Length	7.5 mm	13 mm	19 mm	25 mm	35 mm
Intelligence		Temperature Measurement Distance (Min.)	1 m (3.28 ft)	2 m (6.56 ft)	3 m (9.84 ft)	4 m (13.12 ft)	6 m (19.69 ft)
Heat Detection	Yes	Temperature Measurement		11 m	16 m	21 m	296.48°ft)
Cold/Hot Spot Trace	Yes	Distance (Max.)	(20.67 ft)	(36.09 ft)	(52.49 ft)	11)5.55	(50.4011)
Perimeter Protection	Yes. Supports tripwire and intrusion.	Note:	and alter		. al 6u		at air - 0.1
Target Distinction	Human/Vehicle Classification	The table displays the measure m × 0.1 m for testing in an er	nvironment			-	
Target Tracking	Yes	relative humidity is below 60 The table is for reference on	y. The dista				
Smoke Detection	Yes	conditions including atmospl more.	neric condi	tions, targe	et size, the i	installation	site, and

UTPC1 Series | ULT-TPC-BF1441-T

Ordering	Information	
Туре	Model	Description
	ULT-TPC-BF1441-TB7F4 ULT-TPC-BF1441-TB7F4-J	Thermal: 7.5 mm; Visible: 4 mm
Security	ULT-TPC-BF1441-TB13F6 ULT-TPC-BF1441-TB13F6-J ULT-TPC-BF1441-TB19F12 ULT-TPC-BF1441-TB19F12-J ULT-TPC-BF1441-TB25F12 ULT-TPC-BF1441-TB25F12-J ULT-TPC-BF1441-TB35Z3	Thermal: 13 mm; Visible: 6 mm Thermal: 19 mm; Visible: 12 mm Thermal: 25 mm; Visible: 12 mm Thermal: 35 mm;
	ULT-TPC-BF1441-TB35Z3-J	Visible: 10mm-30 mm
	PFA151 + PFA121	Corner Mount Bracket
Accessories (Optional)	PFA121	Junction Mount
	PFA150+PFA121	Vertical Pole Mount Bracket
	PFM320D	Power Adapter
Accessories (Optional for	_	Junction Mount
-J model)	PFA154	Vertical Pole Mount Bracket

Corner Mount.	Junction Mount	Vertical Pole Mount
	0 0	@_J

Junction Mount.	Vertical Pole Mount
9	0

Accessories

Optional:











PFA151 + PFA121 Corner Mount Bracket

PFA121 Junction Mount

PFA150 + PFA121 Vertical Pole Mount Bracket



PFM320D Power Adapter

For Junction box model (-J):



PFA154 Vertical Pole Mount Bracket

Dimensions (mm[inch])

