

Bi-Spectrum Series 4 (100mm)

Thermal & Optical Bi-spectrum PTZ Camera IMC4-Bi-100



Key Features

- VOx uncooled focal plane detector with 640×512 resolution
- NETD ≤ 40mK
- 25/50/75/100mm motorized thermal lens optical, 37x optical zoom module
- Support human/vehicle detection
- Support smoke & fire detection and fire point detection
- Smart events: intrusion, single line crossing, double line crossing, loitering, wrongway, people counting, enter area, leave area
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: -20°C to 150°C (-4°F to 302°F)
- Power off self-locking, strong wind resistance
- Anti-frozen, NDAA Compliance, IP66

Specification

Thermal Module				
Image Sensor	Uncooled VOx Focal Pla	Uncooled VOx Focal Plane Arrays 640×512		
Resolution	Sensor is 640×512. Imag	Sensor is 640×512. Image can be scaled up to 1280×1024		
Pixel Pitch	12µm	12µm		
NETD	≤ 40mK	≤ 40mK		
Spectral Range	8 to 14μm	8 to 14μm		
Image Setting	Brightness, Sharpness, (Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR		
Pseudo-color Setting	White-hot/Black-hot/Ra	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes		
Thermal Lens				
Focus Control	Motorized Focus	Motorized Focus		
Focal Length	25mm	50mm	75mm	100mm
Aperture	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 17°, V: 14°	H: 8°, V: 7°	H: 6°, V: 5°	H: 4.3°, V: 3.5°
Detection Distance (Human: 1.8×0.5m)	1,040 m (3,412.1 ft)	2,081 m (6,827.4 ft)	3,121 m (10,239.5 ft)	4,161 m (13,651.5 ft)
Detection Distance (Vehicle: 4×1.5m)	3,194 m (10,479 ft)	6,389 m (20,961 ft)	9,583 m (31,440.2 ft)	12,778 m (41,922.5 ft)
Recognition Distance (Human: 1.8×0.5m)	260 m (853 ft)	520 m (1,706 ft)	780 m (2,559.1 ft)	1,040 m (3,412.1 ft)
Recognition Distance (Vehicle: 4×1.5m)	799 m (2,621.4 ft)	1,597 m (5,239.5 ft)	2,396 m (7,860.9 ft)	3,194 m (10,479.0 ft)
Identification Distance (Humans: 1.8×0.5m)	130 m (426.5 ft)	260 m (853 ft)	390 m (1,280 ft)	520 m (1,706 ft)
Identification Range (Vehicles: 4×1.5m)	399 m (1,309 ft)	799 m (2,621.4 ft)	1,198 m (3930.4 ft)	1,597 m (5,539.5 ft)

 $[\]boldsymbol{^*}$ The table is only for reference and the performance may vary according to different environment.

Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.

Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or more pixels.

Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

Detection Range Table				
Temperature Measurement (Object: 1 × 1m)	417 m (1,368.1 ft)	833 m (2,732.9 ft)	1,250 m (4,101 ft)	1,667 m (5,469.2 ft)
Temperature Measurement (Object: 0.2 × 0.2m)	83 m (272.3 ft)	167 m (547.9 ft)	250 m (820.2 ft)	333 m (1,092.5 ft)
Fire Detection (Object: 1 × 1m)	1,042 m (3,418.6 ft)	2,083 m (6,834 ft)	3,125 m (10,252.6 ft)	4,167 m (13,671.3 ft)
Fire Detection (Object: 0.2 × 0.2m)	208 m (682.4 ft)	417 m (1,368.1 ft)	625 m (2,050.5 ft)	833 m (2,732.9 ft)

Note: The table is for reference only. The distances within it are subject to actual conditions including atmospheric conditions, target size, the installation site, and more.

Optical Module	
Image Sensor	1/1.8" CMOS
Max. Resolution	2592 (H)×1520 (V), 4MP
Shutter Speed	1/5 to 1/20,000s
Min. Illumination	Color: 0.001 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux (F1.5, AGC ON),, 0 Lux with light

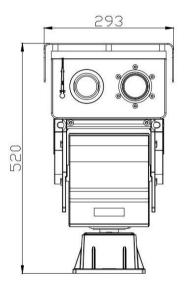
^{*} The optimal detection, recognition, and identification distances are calculated according to Johnson's Criteria.

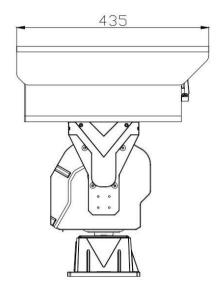
WDR	True WDR	
Focal Length		
Aperture	6.8 to 251 mm, 37x optical zoom	
·	F1.5 to F4.8	
Angle of View	H: 60.7° to 2.33°, V: 36.8° to 1.38°	
Digital Zoom	16x	
Focus Control	Auto/Manual/Semi-automatic	
Mirror	Support	
Defog	Support	
Privacy Masking	Support	
PTZ		
Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: +40° to -75°	
Pan/Tilt Speed	Pan: 0.01° to 60°/s, Tilt: 0.01° to 30°/s	
Wiper	Support	
Preset Accuracy	± 0.2°	
Presets	400	
Scan	8 scans	
Patrol	12 patrols, up to 32 presets per patrol	
Track	6 tracks	
3D Positioning	Support	
Speed Setup	Auto/Manual (0-8)	
Power Off Memory	Support	
Idle Motion	The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run.	
Video and Audio		
Main Stream	Thermal: 1280×1024, 1280×720, 640×512 @25/30fps Optical: 2592×1520, 2304×1296, 1920×1080, 1280×720 @25/30fps Thermal: D4, CUE @ 35 (20fee)	
Sub Stream	Thermal: D1, CIF @ 25/30fps Optical: D1, VGA, CIF @25/30fps	
Bit Rate Control	CBR/VBR	
Bit Rate	Thermal: 100Kbps to 6Mbps Optical: Main stream: 200Kbps to 16Mbps, Sub stream: 100Kbps to 6Mbps	
Region of Interest	Off/On (8 Zone, Rectangle)	
Audio Compression	G711: 64kbps, RAW_PCM: 128kbps	
Smart Function		
Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm	
Smart Detection	Support human/vehicle detection, fire point detection and smoke & fire detection (ship detection optional)	
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles), People counting	
Temperature Detection		
Temperature Detection	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line).	
	Over temperature alarm, Temperature difference alarm	

Accuracy 12°C / 127% Response Time < 30ms Temperature Range >20°C to 150°C (-4°F to 302°F) Network ************************************			
Temperature Range	Accuracy	±2°C / ±2%	
Network Protocols IPv4/IPv6, HTTP, HTTPS, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, DDNS, PPPOE, FT, SMTP, 802.1x, SMMP Interoperability ONVIF, CGI, SDK Max. User Access 10 Users Web Viewer EL1L, Chrome, Firefox, Microsoft Edge</td Web Language English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface I Ethernet (10/100 Base-T) RJ-4S Connector Audio interface 2 ch Audio In, 2ch Audio Out Alarm Interface 9 ch Alarm In, 4ch Alarm Out RS485 Support BNC Output Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply Power Supply DG36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions C E /FCC Ingress Protection IP66 Casing Metal Dimensions 333 x 490 x 520 mm (13.11 x 19.29 x 21.65 inch) with 100mm lens x 57m Inters 2 & Kg (51.31 ib) Ordering Information Web Weight Description	Response Time	≤ 30ms	
Protocols PMAPPG, HTTP, HTTPS, RTSP/RTCP, TCP/UDP, DHCP, DNS, DDNS, PPPOE, FT, SMTP, 802.1x, SNMP Interoperability ONVIF, CGI, SDK Max. User Access 10 Users Web Viewer <ili>IEI1, Chrome, Firefox, Microsoft Edge Web Language English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface Network Interface 1 Ethernet (10/100 Base-T) RI-45 Connector Audio Interface 2 ch Audio In, 2ch Audio Out Alarm Interface 3 ch Alarm In, 4ch Alarm Out 8 Support 8 NC Output Support 8 Support 8 SUPPORT 8 Support 8 Support 8 Support 8 Sull-tin, up to 256GB 6 Central Power Supply DC36V Power Consumption Max 100W Working Temperature 40°C to 60°C (-40°F to 140°F) \$ Storage Conditions Ot 90% RH Certifications Certifications Certifications Certifications 293 x 420 x 520 mm (11.54 x 17.13 x 20.47 inch) with 25/50/75mm lens 333 x 490 x 550 mm (13.11 x 19.29 x 21.65 inch) with 100mm lens Net Weight Odder Obscription Net Weight Themal Focal Length: 63 to 251 mm, 37x optical zoom</ili>	Temperature Range	-20°C to 150°C (-4°F to 302°F)	
Interoperability ONVIF, CGI, SDK Max. User Access 10 Users Web Viewer <iei1, chrome,="" edge<="" firefox,="" microsoft="" td=""> Web Language English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Audio Interface Addio Interface 9ch Alarm In, 4ch Alarm Out RS485 Support BNC Output Support (Built-in) SD Card Slot Bullt-in, up to 256GB General Forest Suply DC36V Power Consumption Max 100W Working Temperature 40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection 1966 Casing Metal Dimensions 233 x 490 x 520 mm (13.11 x 19.29 x 21.65 inch) with 100mm lens X-95 mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Worldering Informati</iei1,>	Network		
Max. User Access 10 Users Web Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""> Web Language English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface Network Interface 1 Ethernet (10/100 Base-T) RV-45 Connector Audio Interface 2ch Audio Out Alarm Interface 9ch Alarm In, 4ch Alarm Out RS485 Support BNC Output Support Reset Button Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection 1P66 Casing Metal Net Weight 293 × 20 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (15.11 × 19.29 × 21.65 inch) with 100mm lens 275mm lens: 26 Kg (57.32 lb) Ordering Information Thermal Focal Length: 25mm SN-TPT6436ZZ-M5</ie11,>	Protocols	IPv4/IPv6, HTTP, HTTPS, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, DDNS, PPPOE, FT, SMTP, 802.1x, SNMP	
Web Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""> Web Language English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Audio Interface 2 ch Audio Int., 2 ch Audio Out Alarm Interface 9 ch Alarm Int., 4 ch Alarm Out RS48S Support BNC Output Support Reset Button Support (Bullt-In) 5D Card Slot Built-in, up to 256GB General Power Supply DC36V Power Consumption Max 100W Working Temperature 40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 233 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 100mm lens S13 × 490 × 550 mm (15.11 × 19.29 × 21.65 inch) with 100mm lens SN-TP6436ZZ-M25-ZSD37 Optical Focal Length: 58 mo Optical Focal Length: 68 to 251 mm, 37x optical zoom SN-TP76436ZZ-M350-ZSD37 Thermal Foc</ie11,>	Interoperability	ONVIF, CGI, SDK	
English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian Interface	Max. User Access	10 Users	
Interface Network Interface 1 Ethernet (10/100 Base-T) RI-45 Connector Audio Interface 2ch Audio In, 2ch Audio Out Alarm Interface 9ch Alarm In, 4ch Alarm Out R5485 Support BNC Output Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply DG36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight Description Ordering Information Formal Focal Length: 25mm Optical Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-25037 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom	Web Viewer	<ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""></ie11,>	
Network Interface 1 Ethernet (10/100 Base-T) RI-45 Connector Audio Interface 2ch Audio In, 2ch Audio Out Alarm Interface 9ch Alarm In, 4ch Alarm Out R5485 Support BNC Output Support (Built-in) SD Card Slot Built-in, up to 256GB Ceneral Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Very Weight 295 x 28 kg (61.73 lb) Ordering Information N-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 05 mm Optical Focal Length: 05 mm SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 50 mm Optical Focal Length: 05 mm N	Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian	
Audio Interface 2ch Audio In, 2ch Audio Out Alarm Interface 9ch Alarm In, 4ch Alarm Out RS485 Support BNC Output Support Reset Button Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 275mm lens: 26 Kg (57.32 lb) Ordering Information 293 × 420 × 520 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 00mm SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 25mm Optical Food Length: 00	Interface		
Alarm Interface 9ch Alarm In, 4ch Alarm Out R5485 Support BNC Output Support Reset Button Support (Built-in) 5D Card Slot Built-in, up to 256GB Fower Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 329 × 240 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (33.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M100-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M100-ZSD37 Thermal Focal Length: 1.5mm Optical Focal Length: 1.75mm Optical	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector	
RS485 Support RCOUTPUT Support (Bullt-in) SU Card Slot Bullt-in, up to 256GB Ceneral Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 333 × 490 × 550 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Cordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M55-ZSD37 Thermal Focal Length: 55 mm Optical Focal Length: 55 mm Optical Focal Length: 55 mm, 97x optical zoom SN-TPT6436ZZ-M55-ZSD37 Thermal Focal Length: 55 mm, 97x optical zoom Thermal Focal Length: 55 mm, 97x optical zoom Thermal Focal Length: 55 mm, 37x optical zoom	Audio Interface	2ch Audio In, 2ch Audio Out	
BNC Output Reset Button Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions Ot 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 333 × 490 × 550 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight Domm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M55-ZSD37 Thermal Focal Length: 55 mm Optical Focal Length: 55 mm, 37x optical zoom Thermal Focal Length: 50 mm optical F	Alarm Interface	9ch Alarm In, 4ch Alarm Out	
Reset Button Support (Built-in) SD Card Slot Built-in, up to 256GB General Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 kg (57.32 lb) 100mm lens: 28 kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 75mm Optical Focal Length: 75mm Optical Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8	RS485	Support	
SD Card Slot Built-in, up to 256GB General Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Power Consumption Net Weight Drescription SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 mm, 37x optical zoom Thermal Focal Length: 5.8 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom	BNC Output	Support	
Power Supply DC36V Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions O to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 333 x 490 x 550 mm (13.11 x 19.29 x 21.65 inch) with 25/50/75mm lens 333 x 490 x 550 mm (13.11 x 19.29 x 21.65 inch) with 100mm lens Net Weight S75mm lens: 28 Kg (61.73 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information NN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Optical Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom	Reset Button	Support (Built-in)	
Power Supply Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens 75mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 75mm Optical Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 75mm Optical Focal Length: 5.8 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom	SD Card Slot	Built-in, up to 256GB	
Power Consumption Max 100W Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 99% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens **S75mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	General		
Working Temperature -40°C to 60°C (-40°F to 140°F) Storage Conditions 0 to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 5.8 mm Optical Focal Length: 5.8 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M100-ZSD37 Thermal Focal Length: 5.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M100-ZSD37 Thermal Focal Length: 5.0 mm Optical Focal Length: 5.0 mm, 37x optical zoom	Power Supply	DC36V	
Storage Conditions O to 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens 875mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Power Consumption	Max 100W	
Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens 875mm lens: 26 kg (57.32 lb) 100mm lens: 28 kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Working Temperature	-40°C to 60°C (-40°F to 140°F)	
Ingress Protection IP66 Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Storage Conditions	0 to 90% RH	
Casing Metal Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens Net Weight 575mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 50mm Optical Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Certifications	CE /FCC	
Dimensions 293 × 420 × 520 mm (11.54 × 17.13 × 20.47 inch) with 25/50/75mm lens 333 × 490 × 550 mm (13.11 × 19.29 × 21.65 inch) with 100mm lens 275mm lens: 26 Kg (57.32 lb) 100mm lens: 28 Kg (61.73 lb) Ordering Information Model Description Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Ingress Protection	IP66	
Net Weight Sry State of State	Casing	Metal	
Ordering Information Model Description Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm Thermal Focal Length: 100mm	Dimensions		
Model Description Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Net Weight		
SN-TPT6436ZZ-M25-ZSD37 Thermal Focal Length: 25mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M50-ZSD37 Thermal Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Ordering Information		
SN-TPT6436ZZ-M25-ZSD37 Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 50mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	Model	Description	
SN-TPT6436ZZ-M50-ZSD37 Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom SN-TPT6436ZZ-M100-ZSD37 Thermal Focal Length: 100mm	SN-TPT6436ZZ-M25-ZSD37		
SN-TPT6436ZZ-M75-ZSD37 Thermal Focal Length: 75mm Optical Focal Length: 6.8 to 251 mm, 37x optical zoom Thermal Focal Length: 100mm	SN-TPT6436ZZ-M50-ZSD37		
SN_TDT6/3677_M100_7SD37 Thermal Focal Length: 100mm	SN-TPT6436ZZ-M75-ZSD37	Thermal Focal Length: 75mm	
	SN-TPT6436ZZ-M100-ZSD37	Thermal Focal Length: 100mm	

Dimensions (mm)

25/50/75 mm thermal lens





100 mm thermal lens

