

KX-F1307TN2

Thermal Network Bullet Camera

Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.



- 640 × 512 uncooled VOx thermal sensor technology
- Athermalized lens (thermal), focus-free
- Support temperature measurement
- Various lens optional (7.5/13/25 mm)
- 2/2 alarm in/out
- Micro SD memory, IP67, PoE, ePoE

Thermal			
Detector Type	Vanadium Oxide Uncooled Focal Plane Detector		
Max. Resolution	640 × 512		
Pixel Pitch	17μm		
Spectral Range	8μm–14μm		
Thermal Sensitivity (NETD)	≤ 40mK@f/1.0		
Focal Length	7.5 mm	13 mm	25 mm
Field of View	H: 91.2° × V: 70.3°	H: 48.9° × V: 38.8°	H: 24.6° × V: 19.8°
Effective Distance Human (1.8 m × 0.5 m)	D: 221 m (725.07 ft)	D: 382 m (1253.28 ft)	D: 735 m (2411.42 ft)
	R: 57 m (187.01 ft)	R: 98 m (321.52 ft)	R: 189 m (620.08 ft)
	I: 28 m (91.86 ft)	I: 49 m (160.76 ft)	I: 95 m (311.68 ft)
Effective Distance Vehicle (4.0 m × 1.4 m)	D: 558 m (1830.71 ft)	D: 1020 m (3346.47 ft)	D: 1961 m (6433.73 ft)
	R: 147 m (482.28 ft)	R: 255 m (836.61 ft)	R: 490 m (1607.61 ft)
	I: 74 m (242.78 ft)	I: 127 m (416.67 ft)	I: 245 m (803.81 ft)
Focus Mode	Athermalized		
Aperture	F1.0		
Digital Detail Enhancement (DDE)	Yes		
Image Stabilization	Electronic Image Stabilization		
Digital Zoom	24×		
AGC	Auto; Manual		
Noise Reduction	2D NR; 3D NR		
Image Flip	90°/180°/mirror		
Intelligence			
Advanced Intelligence	Fire Detection & Alarm		
	Cold & Hot Spot Trace		
	Tripwire & Intrusion Human & Vehicle Classification		

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 (+34°F to +1022°F)
Temperature Accuracy	Max (±2°C, ±2%) Operating Temperature: -20°C to +60°C (-4°F to +140°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	Main stream: (1280 × 1024/1280 × 720/640 × 512/), 1280 × 1024 by default; Sub stream: (640 × 512/320 × 256), 640 × 512 by default
Frame Rate	50Hz: Main Stream: 1fps–25fps, 25fps by default; sub stream: 1fps–25fps, 15fps by default 60Hz: Main Stream: 1fps–30fps, 30fps by default; sub stream: 1fps–30fps, 15fps by default
Audio Compression	G.711a; G.711mu; PCM
General Function	
Network Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP; QoS; UPnP; NTP
Region of Interest (ROI)	Yes
Edge Storage	FTP; Micro SD card (256G)
Interoperability	ONVIF; CGI; KBVISION SDK
Browser	IE: IE9 and the later (Edge not support) Google: 42 and the earlier Firefox: 52 and the earlier
User/Host	20 channels at most (the total bandwidth 64M)
Security	Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access
User Management	Support 20 users at most and users are classified as two groups: administrator group and user group.
Malfunction Detection	Network disconnection; IP addresses conflict; SD card error (status or storage space)

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Port	
Analog Video Output	1 channel of CVBS output with BNC port
Network	1 10M/100M Ethernet port (RJ-45)
Audio Input	1
Audio Output	1
Alarm Input	2
Alarm Output	2
RS-485	1 pair
Power	
Power Supply	12V±20% DC, 1.2A, PoE (802.3af), ePoE
Power Consumption	Basic: 5.0W Maximum: 13W (power adapter excluded)
Environment	
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤ 95%
Self-Adaptive	Auto heating to protect the chip under the cold environment
Physical Characteristics	

Protection Grade	IP67, anti-surge 6KV, anti-electrostatic 8KV (touched by objects), anti-electrostatic 15KV (air)
Product Dimensions (L × W × H)	291 mm × 103.7 mm × 97 mm (11.46" × 4.06" × 3.82")
Packaging Dimensions (L × W × H)	365 mm × 175 mm × 176 mm (14.37" × 6.89" × 6.93")
Net Weight	≤1.4 kg (3.09 lb)
Gross Weight	≤1.9 kg (4.19 lb)
Lens	Contained
Power Adaptor	Selectable

Dimensions (mm[inch])

