Tseries TNO-4040T







Thermal

TNO-4040T

VGA H.265 Thermal Camera











Key Features

- Max. 640 x 480 resolution support
- Built-in 19mm fixed lens
- H.265, H.264, MJPEG codec
- Max. 30fps@all resolutions (H.265, H.264, MJPEG)
- Motion detection, Handover, Tampering, Loitering
- Directional detection, Audio detection, Shock detection
- SD / SDHC / SDXC memory slot (Max. 256GB)
- Hallway View, WiseStreamII support
- PoE, 24V AC, 12V DC
- IP66, NEMA4X, IK10

 \divideontimes Bridge firmware is required to upgrade from 1.00~1.2X versions to the latest version. For more details, please refer to the [UPGRADE NOTIFICATION] or [Release Note] included with your firmware (ZIP file).

Compatible Devices



SBP-303PM

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Specifications

Video				
Imaging Device	Туре	Uncooled micro bolometer (640x480)		
Resolution		640x480, 640x360, 320x240		
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)		
	MJPEG	30fps		
Spectral Range		8~14µm		
NETD		≤50mK		
Pixel Size		17μm		
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation, USB: Micro USB Type B		
Lens				
Focal Length (mm)		19		
Max Aperture Ratio (F number)	Wide	1.0		
Angular Field of View	Horizontal	32°		
	Vertical	24.3°		
	Diagonal	39.2°		
iFoV		0.895mRad		
Min. Object Distance		11m(36.09ft)		
Focus Control		Fixed		
Operational				
Digital Image Stabilization		Support(built-in gyro sensor)		
Motion Detection	Quantity	8ea		
	Shape	8point Polygonal zones		
Privacy Masking	Quantity	32ea		
	Shape	Polygonal zones		
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic		
Video Rotation		Flip, Mirror, Hallway view(90°/270°)		
Alarm Interface	In/Out	Input 1ea, Output 2ea		

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.

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Operational		
Alarm Triggers		Analytics, Network disconnect, Alarm input
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Color Pallettes		Whitehot, Blackhot, Rainbow, Sepia, Red, Iron
Analytics		
Analytics Events	Normal	Motion detection, Tampering, Audio detection, Sound classification, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction), Temperature change detection
Network		
Ethernet		RJ-45(10/100BASE-T)
Video Compression		H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression		G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz, G.726: 16kbps,24kbps,32kbps,40kbps, AAC-LC: 48kbps at 16kHz
Smart Codec		Manual, WiseStream II
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast)
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Security		
User authentication		Digest authentication
Network authentication		IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication		HTTPS, WSS(WebSocket Secure), SRTP
Access Control		IP-based access control
Audit		Access / System / Event Log management
General		
Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 1slot

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Environmental & Electrical				
Operating Condition	Temperature	-40°C~+60°C(-40°F~+140°F)		
	Humidity	0~90% RH(non-condensing)		
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)		
	Humidity	0~90% RH(non-condensing)		
Input Voltage		PoE(IEEE802.3af, Class3), 24VAC, 12VDC		
Power Consumption	РоЕ	Max. 10W, typical 8.6W		
	12VDC	Max. 9W, typical 7.5W		
	24VAC	Max. 10.5W, typical 8.9W		
Mechanical				
Color		White		
Material		Aluminum		
RAL Code		RAL9003		
Product Dimensions		ø101.97x401.8mm(4.01x15.82")		
Product Weight		3175g(7.01lb)		
Certifications & S	tandards			
Environment		IEC 60529 IP66, IEC 62262 IK10, NEMA 250 type 4X		

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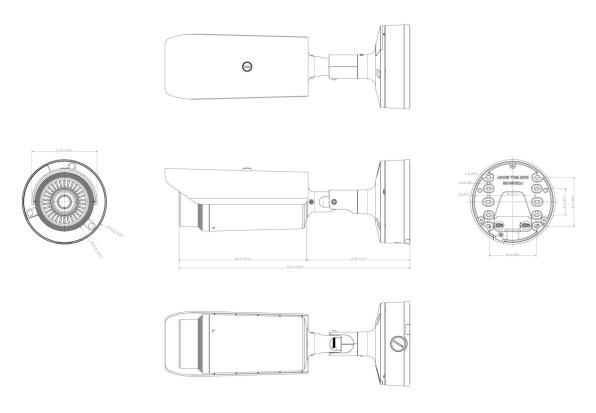


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CAD Unit: mm [inch]



Apperance TNO-4040T Unit: mm [inch]