





# **TNO-L3030T**

**QVGA Thermal Camera** 











#### **Key Features**

- Maximum 320 x 240 resolution support
- Built-in 13.7mm fixed lens
- H.265, H.264, MJPEG codec
- Maximum 8fps@all resolutions (H.265, H.264, MJPEG)
- Motion detection, Handover, Tampering, Loitering
- Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification Temperature detection, Shock detection
- Micro SD / SDHC / SDXC memory slot (Max. 256GB)
- Hallway View, WiseStreamII support
- PoE, 24VAC, 12VDC / IP66, NEMA4X, IK10



## **TNO-L3030T**

### **QVGA Thermal Camera**







#### **Specifications**

Imaging Device         Unccoled micro bolometer           Resolution         320x240           Max. Framerate         H.265/H.264/M.JPEG: Max. 8fps           NETD         < 60mK           Pixel Size         12μm           Video Out         CVBS: 1.0 Vp- p / 75Ω composite, 720x480(N), 720x576(P) for installation           Lens         Focal Length (Zoom Ratio)           Lens         Focal Length (Zoom Ratio)           Focal Length (Zoom Ratio)         13.7mm fixed focal           Max. Aperture Ratio         F1.0           Angular Field of View         H-16.0°, V-12.0°, D-20.0°           Min. Object Distance         Fixed           Focus Control         Fixed           Operational         Support(built-in gyro sensor)           Motion Detection         Bea. 8point polygonal zones           Privacy Masking         32ea, polygonal zones           Video Rotation         Flip, Mirror, Hallway view/90~/270~)           Analytics         Directional detection. Motion detection. Appear/Oisappear. Enter/Exit. Loitering. Tampering. Virtual line. Audio detection. Temperature change detection. Sound classification. Shock detection. House will be a complete sound by a c-mail Notification via c-mail Notification via c-mail Privace and Privace an	Video	
Max. Framerate H.265/H.264/M.JPEG: Max. 8fps  NETD < <60mk  Pixel Size 12µm  Video Out CV8S: 1.0 Vp-p / 750: composite. 7.20x490(N), 720x576(P) for installation  USB: Micro USB Type B, 1.280x720 for installation  Lens  Focal Length (Zoom Ratio) 13.7mm fixed focal  Max. Aperture Ratio F1.0  Angular Field of View H:16.0°, V:12.0°, D:20.0°  Min. Object Distance 8m(26.25ft)  Focus Control Fixed  Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection Bea. 8point polygonal zones  Privacy Masking 32ea. polygonal zones  Privacy Masking Size apolygonal zones  Privacy Masking Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit. Loitering, Tampering, Virtual line. Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect. Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail SOSPME/SOX or NAS recording at event triggers  Alarm audio Out Line out. Max.output level: 1Vrms  Color Palettes Whitehot. Blackhot. Rainbow. Rainbow2. Sepia, Red. Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Imaging Device	Uncooled micro bolometer
NETD <66mK Pixel Size 12µm Video Out CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B, 1280x720 for installation  Lens Focal Length (Zoom Ratio) 13.7mm fixed focal Max. Aperture Ratio F1.0 Angular Field of View H:16.0°, V:12.0°, D:20.0° Min. Object Distance 8m(26.25ft) Focus Control Fixed  Operational Camera Title Displayed up to 85 characters Digital Image Stabilization Support(built-in gyro sensor) Motion Detection 8ea. 8point polygonal zones Privacy Masking 32ea. polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic: Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Directional detection. Motion detection. Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection. Sound classification, Shock detection Alarm I/O Input 2ea August 2ea. Alarm Triggers Analytics. Network disconnect. Alarm input Alarm Events Sound Selectable(mic in/line in) Supply voltages 2.5VDC(4mA), Input impedance: 2K Ohm Audio Out Line out, Max.output Level: 1Vrms Color Palettes Whitehot. Blackhot. Rainbow, Rainbow2, Sepia, Red. Iron, Custom  Network Ethernet RJ-45(10/1008ASE-T)	Resolution	320x240
Pixel Size 12µm  Video Out CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation  Lens  Focal Length (Zoom Ratio) 13.7mm fixed focal Max. Aperture Ratio F1.0  Angular Field of View H:16.0°, V:12.0°, D:20.0°  Min. Object Distance 8m(26.25ft)  Focus Control Fixed  Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support (built-in gyro sensor)  Motion Detection 8ea.8 point polygonal zones  Privacy Masking 32ea, polygonal zones  Privacy Masking 32ea, polygonal zones  Privacy Masking F1.0, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events Vigen Schaller (Schaller (Scholler))  Audio In Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/1008ASE-T)	Max. Framerate	H.265/H.264/MJPEG: Max. 8fps
Video Out  CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B, 1280x720 for installation  Lens  Focal Length (Zoom Ratio)  13.7mm fixed focal  Max. Aperture Ratio  F1.0  Angular Field of View  H:16.0", V:12.0", D:20.0"  Min. Object Distance Focus Control  Fixed  Operational  Camera Title  Displayed up to 85 characters  Digital Image Stabilization  Support(built-in gyro sensor)  Motion Detection  8ea. 8point polygonal zones  Privacy Masking  32ea, polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation  Flip, Mirror, Hallway view(90-/270-)  Analytics  Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O  Input 1ea / Output 2ea  Alarm Triggers  Analytics, Network disconnect, Alarm input  Alarm Events  Flie upload via FTP and e-mail Notification via e-mail SO/SDHC/SDNC or NAS recording at event triggers  Alarm output Handover  Audio Out  Line out, Max.output level: 1 Vrms  Olor Palettes  Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet  RJ-45(10/100BASE-T)	NETD	<60mK
Lens Focal Length (Zoom Ratio) 13.7mm fixed focal Max. Aperture Ratio F1.0 Angular Field of View H:16.0°, V:12.0°, D:20.0° Min. Object Distance Focus Control Fixed  Operational Camera Title Displayed up to 85 characters Digital Image Stabilization Motion Detection Bea. 8point polygonal zones Privacy Masking 32ea, polygonal zones Privacy Masking Oiter Green/Red/Blue/Black/White - Mosaic Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection in Junt 1ea / Output 2ea Alarm Triggers Analytics, Network disconnect, Alarm input Alarm Events File upload via FTP and e-mail Notification via e-mail SOS-DIC/SDVC on NAS recording at event triggers Alarm output Handover Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm Audio Out Line out, Max.output level: 1Vrms Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network Ethernet RJ-45(10/100BASE-T)	Pixel Size	12µm
Focal Length (Zoom Ratio)  Max. Aperture Ratio F1.0  Angular Field of View H:16.0°, V:12.0°, D:20.0°  Min. Object Distance 8m(26.25ft)  Focus Control Fixed  Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection 8ea, 8point polygonal zones  Privacy Masking 32ea, polygonal zones  - Color: Grey/ Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Events File upload via FTP and e-mail Notification via e-mail SUSHOHL/SDKO ro NAS recording at event triggers  Analytics ov NAS recording at event triggers  Alarm output Handover  Audio Out Line out, Max. output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Video Out	
Max. Aperture Ratio F1.0  Angular Field of View H:16.0", V:12.0", D:20.0"  Min. Object Distance 8m(26.25ft)  Focus Control Fixed  Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection 8ea, 8point polygonal zones  Privacy Masking 32ea, polygonal zones  Privacy Masking 32ea, polygonal zones  Privacy Masking Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail Supply voltage: 2.5VDC 4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow 2. Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Lens	
Angular Field of View H:16.0°, V:12.0°, D:20.0°  Min. Object Distance 8m(26.25ft)  Focus Control Fixed  Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection 8ea, 8point polygonal zones  Privacy Masking 32ea, polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events Flie upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max. output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Focal Length (Zoom Ratio)	13.7mm fixed focal
Min, Object Distance Focus Control Fixed  Operational Camera Title Displayed up to 85 characters Digital Image Stabilization Support(built-in gyro sensor) Motion Detection 8ea. 8point polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-) Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection Alarm I/O Input 1ea / Output 2ea Alarm Triggers Analytics, Network disconnect, Alarm input Alarm Events File upload via FTP and e-mail Notification via e-mail SO/SDHC/SDXC or NAS recording at event triggers Alarm output Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC/(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1 Vrrms Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network Ethernet RJ-45(10/100BASE-T)	Max. Aperture Ratio	F1.0
Privacy Masking 32ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic 32ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic 32ea, polygonal zones - Privacy Masking 32ea, polygonal zones - Privacy Masking 32ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic 32ea, polygonal zones - Color: Allow	Angular Field of View	H:16.0°, V:12.0°, D:20.0°
Operational  Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection 8ea. 8point polygonal zones  Privacy Masking 32ea, polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events Pile upload via FTP and e-mail Notification via e-mail SD/SHHC/SDXC or NAS recording at event triggers  Alarm output Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Min. Object Distance	8m(26.25ft)
Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection Bea. 8point polygonal zones  Privacy Masking 32ea, polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail Notification via e-mail Notification via e-mail Notification via e-mail Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC (4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Focus Control	Fixed
Camera Title Displayed up to 85 characters  Digital Image Stabilization Support(built-in gyro sensor)  Motion Detection Bea, 8point polygonal zones  Privacy Masking 32ea, polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail Notification via e-mail Notification via e-mail Notification via e-mail Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC (4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Operational	
Digital Image Stabilization  Support(built-in gyro sensor)  Motion Detection  8ea, 8point polygonal zones  - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation  Flip, Mirror, Hallway view(90-/270-)  Analytics  Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O  Input 1ea / Output 2ea  Alarm Triggers  Analytics, Network disconnect, Alarm input  Alarm Events  Interpretation via e-mail Notification via e-mail Notification via e-mail SU/SDHC/SDXC or NAS recording at event triggers  Alarm output Handover  Audio Out  Line out, Max.output level: 1Vrms  Color Palettes  Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Retwork  Ethernet  RJ-45(10/100BASE-T)	•	Displayed up to 85 characters
Motion Detection  8ea. 8point polygonal zones  Privacy Masking  32ea. polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation  Flip, Mirror, Hallway view(90-/270-)  Analytics  Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O  Input 1ea / Output 2ea  Alarm Triggers  Analytics, Network disconnect, Alarm input  Alarm Events  Ine upload via FTP and e-mail Notification via e-mail Notification via e-mail Notification via e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers  Alarm output Handover  Audio In  Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out  Line out, Max.output level: 1Vrms  Color Palettes  Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet  RJ-45(10/100BASE-T)	Digital Image Stabilization	
- Color: Grey/Green/Red/Blue/Black/White - Mosaic  Video Rotation Flip, Mirror, Hallway view(90-/270-)  Analytics Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection  Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Motion Detection	
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Alarm I/O Input 1ea / Output 2ea  Alarm Triggers Analytics, Network disconnect, Alarm input  Alarm Events File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover  Audio In Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Video Rotation	Flip, Mirror, Hallway view(90-/270-)
Alarm Triggers  Analytics, Network disconnect, Alarm input  File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover  Audio In  Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes  Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet  RJ-45(10/100BASE-T)	Analytics	Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Temperature change detection, Sound classification, Shock detection
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Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  Audio Out Line out, Max.output level: 1Vrms  Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Alarm Events	Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
Color Palettes Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom  Network  Ethernet RJ-45(10/100BASE-T)	Audio In	
Network Ethernet RJ-45(10/100BASE-T)	Audio Out	Line out, Max.output level: 1Vrms
Ethernet RJ-45(10/100BASE-T)	Color Palettes	Whitehot, Blackhot, Rainbow, Rainbow2, Sepia, Red, Iron, Custom
	Network	
Video Compression H.265/H.264: Main/Baseline/High, MJPEG	Ethernet	RJ-45(10/100BASE-T)
	Video Compression	H.265/H.264: Main/Baseline/High, MJPEG

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.





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(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast 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, PIM-SM, UPnP, Bonjour, LLDP, SRTP
Security	HTTPS(SSL) login authentication Digest login authentication IP address filtering User access log 802.1X authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
General	
Webpage Language	English, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	1024MB RAM, 256MB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-40°C to +60°C (-40°F to +140°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C to +60°C (-58°F to +140°F) / Less than 90% RH
Certification	IP66, IK10, NEMA4X
Input Voltage	PoE(IEEE802.3af, Class3), 24VAC, 12VDC
Power Consumption	PoE: Max. 8.7W, typical 7.5W 12VDC: Max. 7.8W, typical 6.7W 24VAC: Max. 9.2W, typical 8.0W
Mechanical	
Color / Material	White / Aluminum
RAL Code	RAL9003

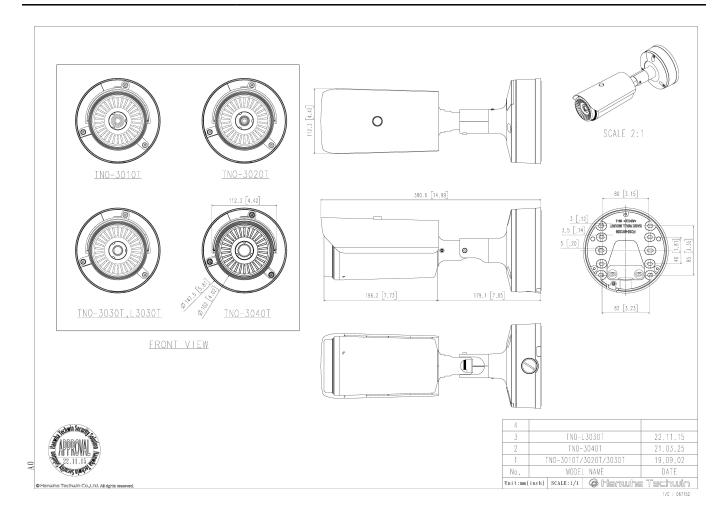


## **TNO-L3030T**

**QVGA Thermal Camera** 



CAD Unit:mm [inch]



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.