Tseries TNU-4041T





Key Features

Network Positioning

TNU-4041T VGA Thermal Positioning Camera



• Max. 640 x 480 resolution support

• Built-in 19mm fixed lens

• H.265, H.264, MJPEG codec, WiseStreamII support

Max. 30fps@all resolutions (H.265, H.264)

Tampering, Loitering, Directional Detection, Virtual Line,

Enter/Exit, Appear/Disappear, Audio Detection,

Motion Detection, Handover, Sound Classification,

Shock detection, Temperature change detection

microSD/SDHC/SDXC memory slot (Max. 256GB)

• 24V AC, NEMA 4X, IK10

% 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).

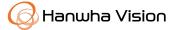
Compatible Accessories (Optional)



SBU-500WM

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.





TNU-4041T

VGA Thermal Positioning Camera





Specifications

Video	
Imaging Device	Uncooled micro bolometer
Resolution	640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
NETD	<50mK
Pixel Size	17µm
Video Out	CVBS: 1.0 Vp-p / 75 Ω composite, 720x480(N), 720x576(P) for installation
Lens	
Focal Length (Zoom Ratio)	19mm fixed focal
Max. Aperture Ratio	F1.0
Angular Field of View	H: 32° / V: 24.3° / D: 39.2°
Min. Object Distance	11m(36.09ft)
Focus Control	Fixed
Pan / Tilt / Rotate	
Pan Range	360° Endless
Pan Speed	0.025°~120°/sec
Tilt Range	-90° ~40°
Tilt Speed	0.025°~40°/sec
Sequence	Preset(300ea), Group(6ea)
Preset Accuracy	±0.3°
Operational	
Camera Title	Displayed up to 85 characters
Direction Indicator	Supoort
Digital Image Stabilization	Support(built-in gyro sensor)
Motion Detection	8ea, 8point polygonal zones
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 1ea
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 PTZ Preset
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
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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	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
Webpage Language Edge Storage	
	Turkish, Dutch, Hungarian, Greek
Edge Storage	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB
Edge Storage Memory	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB
Edge Storage Memory Environmental & Electrical	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB 1024MB RAM, 256MB Flash
Edge Storage Memory Environmental & Electrical Operating Temperature / Humidity	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB 1024MB RAM, 256MB Flash -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH
Edge Storage Memory Environmental & Electrical Operating Temperature / Humidity Storage Temperature / Humidity	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB 1024MB RAM, 256MB Flash -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH
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Edge Storage Memory Environmental & Electrical Operating Temperature / Humidity Storage Temperature / Humidity Certification Input Voltage Power Consumption	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB 1024MB RAM, 256MB Flash -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH IP66, IK10, NEMA4X 24VAC
Edge Storage Memory Environmental & Electrical Operating Temperature / Humidity Storage Temperature / Humidity Certification Input Voltage Power Consumption Mechanical	Turkish, Dutch, Hungarian, Greek Micro SD/SDHC/SDXC 1slot 256GB 1024MB RAM, 256MB Flash -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH IP66, IK10, NEMA4X 24VAC 24VAC 24VAC: Max 84W(Heater on), Max 62W(Heater off)

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