

TNO-6010M

2MP H.265 Network Front-Facing Camera

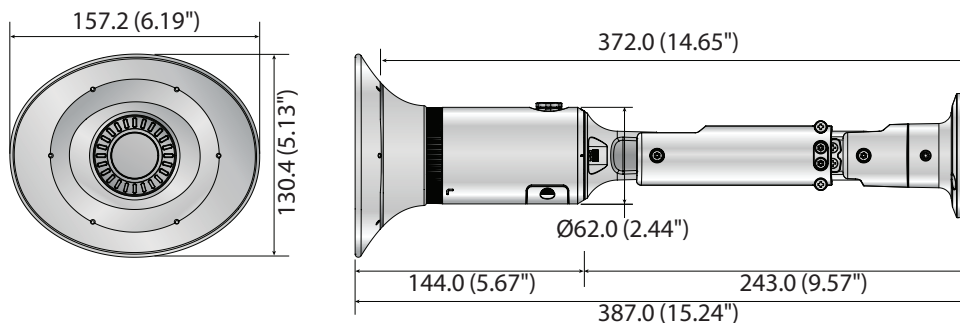


Key Features

- Max. 2Megapixel(1945 x 1097) resolution
- 2.8mm fixed lens
- 0.04Lux@F2.0(Color), 0.004Lux@F2.0(B/W)
- Max. 60fps@2MP(H.265/H.264)
- Day&Night(ICR), WDR(150dB)
- Hallway View, WiseStream II Support
- Video Analytics(including shock detection)
- DIS with built-in gyro sensor
- Micro SD slot(Up to 256GB)
- Serration and Nylock for release prevention
- IP66 / NEMA4X / IK10
- EN045545-2, NFPA 130, BSS 7239
- M12 with PoE

Dimensions

Unit : mm (inch)



TNO-6010M
VIDEO

Imaging Device	1/2.8" 2MP CMOS
Effective Pixels	1945(H) x 1097(V)
Min. Illumination	Color : 0.04lux (F2.0, 1/30sec) B/W : 0.004lux (F2.0, 1/30sec)
Video Out	CVBS : 1.0 Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation USB : micro USB type B, 1280 x 720 for installation

LENS

Focal Length (Zoom Ratio)	2.8mm fixed focal
Max. Aperture Ratio	F2.0
Angular Field of View	H : 113.7° / V : 61.5° / D : 134.5°
Min. Object Distance	0.4m (1.31ft)
Focus Control	Manual
Lens Type	Fixed
Mount Type	Board-in Type

OPERATIONAL

Camera Title	Displayed up to 85 characters
Day & Night	Auto (ICR)
Backlight Compensation	BLC, HLC, SSSDR
Wide Dynamic Range	150dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support (built-in gyro sensor)
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal zones - Color : Grey / Green / Red / Blue / Black / White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Digital PTZ	Support (Preset, Group)
Video Rotation	Flip, Mirror, Hallway view
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear / Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Shock detection
Business Intelligence	People counting, Queue management, Heatmap
Alarm Triggers	Analytics, Network disconnect
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers

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NETWORK	
Ethernet	M12
Video Compression	H.265/H.264 : Main / Baseline / High, MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240
Max. Framerate	H.265/H.264 : Max. 60fps, MJPEG : Max. 30fps
Smart Codec	WiseStream II
Video Quality Adjustment	H.265/H.264 : Target bitrate level control, MJPEG : Target bitrate level control
Bitrate Control	H.265/H.264 : CBR or VBR, MJPEG : VBR
Streaming	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, PPPoE, FTP, SMTP, ICMP, IGMP, ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS (SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication (EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Application Programming Interface	ONVIF Profile S/G/T SUNAPI (HTTP API) Wisenet open platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser : Google Chrome Supported Browser : MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Memory	1024MB RAM, 256MB Flash
ENVIRONMENTAL	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH
Certification	UL, IP66, NEMA 4X, IK10 EN50581:2012, EN55011:2009+A1:2010 (EN50121-3-2:2015), EN61000-4-2:2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2009, EN50155:2007, EN-45545-2, NFPA 130, BSS 7239
ELECTRICAL	
Input Voltage	M12 with PoE (IEEE802.3af, Class3)
Power Consumption	8W(Max), 4.3W(Typ)
MECHANICAL	
Color / Material	Black / Aluminum (Hood : Silicone rubber)
RAL Code	RAL9005
Product dimensions / weight	Ø62 x 372mm (2.44x14.65")(w/o Hood), 1170g(2.58 lb)

* The latest product information / specification can be found at hanwha-security.com

* Design and specifications are subject to change without notice.

* Wisenet is the proprietary brand of **Hanwha Techwin**.