

TNU-6320

2M Positioning Camera

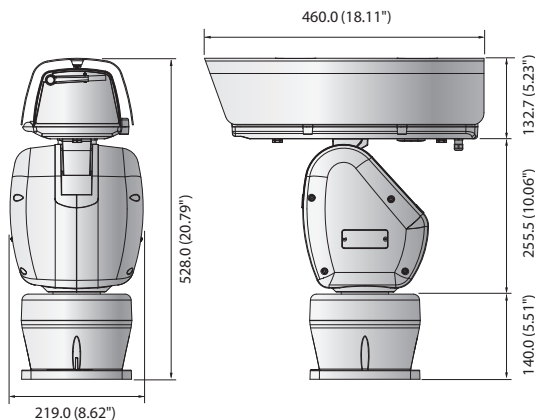


Key Features

- Max. 2megapixel (1920 x 1080) resolution
- 4.44 ~ 142.6mm (32x) varifocal lens
- Max. 60fps@2M (H.264), Max. 15fps@2M (MJPEG)
- H.264, MJPEG codec support
- Day & Night (ICR), WDR (120dB), Defog
- Tampering, Virtual line, Enter / Exit, (Dis)Appear, Face detection, Motion detection
- SD / SDHC / SDXC slot

Dimensions

Unit : mm (inch)



Accessories (Optional)



SPI-50(Optional)

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VIDEO	
Imaging Device	1/2.8" 2.38M CMOS
Total Pixels	1,952(H) x 1,116(V), 2.18M
Effective Pixels	1,944(H) x 1,104(V), 2.14M
Scanning System	Progressive
Min. Illumination	Color: 0.3Lux (1/30sec, F1.6, 50IRE), B/W: 0.03Lux (1/30sec, F1.6, 50IRE)
S / N Ratio	50dB
Video Out	CVBS: 1.0Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation
LENS	
Focal Length (Zoom Ratio)	4.44 ~ 142.6mm (Optical 32x)
Max. Aperture Ratio	F1.6(Wide) / F4.4(Tele)
Angular Field of View	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)
Min. Object Distance	Wide: 1.5m (4.92ft)
Focus Control	Auto / Manual / One push
Lens / Mount Type	DC Auto Iris / Board-in Type
PAN / TILT / ROTATE	
Pan / Tilt Range	360° Endless / -90° ~ 40°
Pan / Tilt Speed	0.036° ~ 120°/sec, 0.012° ~ 40°/sec
Sequence	Preset (255ea), Swing, Group (6ea), Trace, Tour (1ea), Auto run, Schedule
Preset Accuracy	±0.3°
Azimuth	Yes (E / W / S / N / NE / NW / SE / SW)
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	120dB
Contrast Enhancement	SSDR (Off / On)
Digital Noise Reduction	SSNR III (2D + 3D Noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto / Manual
Motion Detection	Off / On (4zones with 4 points of Polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor / Mercury
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Digital Zoom	16x
Flip / Mirror	Off / On
Intelligent video analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Face detection
Alarm I/O	Input 1ea / Output 1ea (Relay)
Audio In	Selectable (Mic in / Line in), Max output level: 1 Vrms
Audio Out	Supply voltage: 2.5VDC(4mA), Input impedance: approx. 2K Ohm
Alarm Triggers	Line out (Mono)
Alarm Events	Motion detection, Tampering, Audio detection, Face detection, Video analytics, Alarm input, Network disconnection
IR Illuminator (Optional)	File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP
Wiper	local storage(SD/SDHC/SDXC) recording at Network disconnected & Event (Alarm Triggers), External output, Preset
NETWORK	Compatible with Varifocal IR illuminator support
Ethernet	RJ-45 (10/100 BASE-T)
Video Compression Format	H.264 (MPEG-4 Part 10/AVC), Motion JPEG
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x450, 720x576, 640x480, 640x360, 320x240, 320x180
Max. Framerate	H.264: Max. 60fps at all resolutions
Smart Codec	Motion JPEG: 1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768: Max. 15 fps
Video Quality Adjustment	800x600/800x450/720x576/640x480/640x360/320x240/320x180: Max. 30fps
Bitrate Control Method	Manual mode (Area-Based : 5ea), Face detection mode
Streaming Capability	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Audio Compression Format	H.264 : CBR or VBR, MJPEG : VBR
Audio Communication	Multiple streaming (Up to 10 Profiles)
IP	G.711 u-law / G.726 Selectable
Protocol	G.726 (ADPCM) 8KHz, G.711 8KHz, G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps
Security	Bi-directional
Streaming Method	IPv4, IPv6
Max. User Access	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour
Edge Storage	HTTPS(SSL) Login Authentication, Digest Login Authentication
Application Programming Interface	IP address filtering, User access log, 802.1x Authentication
Webpage Language	Unicast / Multicast
Web Viewer	10 users at Unicast mode
Central Management Software	SD/SDHC/SDXC slot for supporting memory card
ENVIRONMENTAL	- motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded.
Operating Temperature / Humidity	NAS(Network Attached Storage)
Storage Temperature / Humidity	ONVIF Profile S, SUNAPI 2.0, SVP 1.2, Wisenet Open Platform
Ingress Protection	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Turkish, Polish, Czech, Dutch, Hungarian, Greek
Certification	Supported OS : Windows 7, 8, MAC OS X 10.7
ELECTRICAL	Supported Browser : Microsoft Internet Explorer (Ver. 11), Mozilla Firefox, Google Chrome, Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 Only), 5.1.7)
Power	* Mac OS X Only
Power Consumption	24V AC / 6A (MAX)
EXTERIOR	100W (Heater On), 25W (Heater Off)
Color / Material	White / Aluminum die casting
Dimensions (WxHxD)	219.0 x 460.0 x 528.0mm (8.62" x 18.11" x 20.79")
Weight	14Kg (30.86 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**, formerly known as Samsung Techwin.