Hanwha Vision

Network   Bullet

TNO-A26081

Ultra-resolution 26MP T AI camera

FC | UL LISTED | CE | EAC | NDAA

Key Features

- High resolution 26MP(max. resolution 6240x4160)
- Max. 30fps @ all resolutions (H.265, H.264, MJPEG)
- Diagonal 28.3mm 1.8" CMOS
- 55~250mm(4.54x) manual varifocal lens
- AI enabled features(Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit), Motion detection, Bestshot per object
- Hallway View, WiseStreamIII (Based on AI engine)
- PoE++(IEEE802.3bt type3, Class6), 12VDC
- IP66/IP67, IK10, NEMA4X
- TPM with FIPS 140-3 level 3

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Hanwha Vision is formerly known as Hanwha Techwin.

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Specifications

Video

Imaging Device	Diagonal 28.3mm 1.8" CMOS
Resolution	6240x4160(WiseAI off 30fps, WiseAI on 20fps), 3840x2160, 2880x1920, 1920x1280, 1600x1200, 1440x960, 1280x800, 1024x768, 1280x720, 720x480, 640x480
Max. Framerate	H.265/H.264: Max. 30fps MJPEG: Max. 30fps(@26MP Max. 1fps)
Min. Illumination	Color : 0.2Lux(F4.0, 1/30sec) B/W : 0.02Lux(F4.0, 1/30sec)
Video Out	USB: Micro USB Type C, 1280x720 for installation

Lens

Focal Length (Zoom Ratio)	55~250mm(4.54x) manual varifocal
Max. Aperture Ratio	F4(Wide)~F5.6(Tele)
Angular Field of View	H: 24°(Wide)~5.4°(Tele) V: 16°(Wide)~3.6°(Tele) D: 29°(Wide)~6.5°(Tele)
Min. Object Distance	0.85m (2.8ft)
Focus Control	Simple focus
Lens Type	Canon EF-S 55~250mm F4-5.6 IS STM
Mount Type	Canon EF-S

Operational

Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, SSDR
Digital Noise Reduction	SSNR V , WiseNR II (Based on AI engine)
Motion Detection	8ea, 8point Polygonal zones
Privacy Masking	6ea, Rectangular - Color: Gray/Black/White
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec) Prefer shutter control(Based on AI engine)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Classified object type : Person/Face/Vehicle/License plate Attributes : Person(Gender, Color and Bag), Face(Age, Gender, Mask and Glasses), Vehicle(Type:car/bus/truck/motorcycle/bicycle and Color) Support Bestshot per object Analytics events based on AI engine - Object detection, Virtual line*(Crossing/Direction), Virtual area*(Loitering/Intrusion/Enter/Exit), Motion detection Analytics events - Defocus detection, Tampering, Audio detection, Virtual area(Appear/Disappear) *Some of the video analytics only works with people and vehicle detection
Business Intelligence	Based on AI engine: People counting, Queue management, Heatmap, Vehicle counting
Alarm I/O	2 configurable I/O ports

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Alarm Triggers	Analytics, Network disconnect, Alarm input, Time schedule, MQTT subscription
Alarm Events	When alarm trigger occurred - File upload(image/video clip): e-mail/FTP/SFTP - Notification: e-mail - Recording: SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover: PTZ preset, send message by HTTP/HTTPS/TCP - Audio clip playback - MQTT: publication
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms

Network

Ethernet	Metal shielded RJ-45(10/100/1000 BASE-T), SFP slot(100/1000Mbps)
Video Compression	H.265/H.264: Main/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(5ea area), WiseStreamIII(Based on AI engine)
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, SFTP, SMTP, SMTPS ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast), MQTT
Application Programming Interface	ONVIF Profile S/G/T/M SUNAPI(HTTP API)

Security

OS / Firmware Protect	Encrypted Firmware, Secure boot, Signed Firmware
User authentication	Digest Authenticaton, Prevent brute-force attack
Network authentication	IEEE 802.1X (EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, MAC-based access control
Data Protect	Encryption Credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
Device ID	Device certificate (Hanwha Techwin Root CA)
Secure Storage	TPM(Trusted platform module), SDcard partition encrypt
Security Certificate	TPM with FIPS 140-3 level 3

General

Edge Storage	Micro SD/SDHC/SDXC 2slot 1TB
Memory	8GB RAM, 16GB EMMC

Environmental & Electrical

Operating Temperature / Humidity	-40°C~+55°C (-40°F~+131°F) / 0~100% RH(condensing) Humidity control /w Air vent
Storage Temperature / Humidity	-50°C~+60°C(-58°F~+140°F) / 0~95% RH(non-condensing)
Input Voltage	PoE++(IEEE802.3bt type3, Class6, Injector not included), DC12V
Power Consumption	PoE++ : Max 44.3W, Typical 24.9W 12VDC : Max 35.4W, Typical 19.6W

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Mechanical

Color / Material	White / Aluminum, PC(Polycarbonate)
RAL Code	RAL9003
Product Dimensions / Weight	193.5x193.5x532mm(7.62"x7.62"x20.94"), 8100g(17.86lb)

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 RCM AS/NZS CISPR 32 Class A KS C 9832 Class A , KS C 9835
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1 IEC/EN 62471
Environment	IEC/EN 63000 IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10 NEMA 250 type 4X

DORI (EN62676-4 standard)

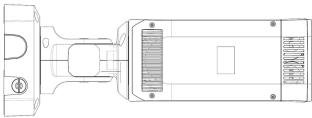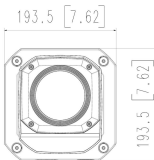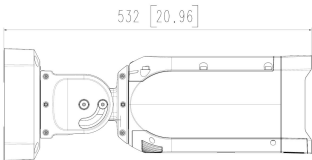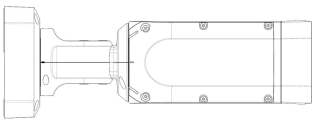|	
Detect (25PPM/ 8PPF)	Wide: 587.1m(1,926.3ft) / Tele: 2,646.4m(8,682.3ft)
Observe (63PPM/ 19PPF)	Wide: 234.9m(770.5ft) / Tele: 1,058.6m(3,472.9ft)
Recognize (125PPM/ 38PPF)	Wide: 117.4m(385.3ft) / Tele: 529.3m(1,736.5ft)
Identify (250PPM/ 76PPF)	Wide: 58.7m(192.6ft) / Tele: 264.6m(868.2ft)

TNO-A26081

Ultra-resolution 26MP T AI camera

CAD

Unit:mm [inch]


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532  20.96        193.5  7.62
                  193.5  7.62
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1	TNO-A26081	'24.10.25
No.	MODEL NAME	DATE
Unit:mm[inch]	SCALE:1/1	Hanwha Vision

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