

Network

TNV-C7013RC

AI Corner Mount Camera

Key Features

- Maximum 3MP (2048 x 1536) resolution
- Angular Field of View: Horizontal 128°, Vertical 100°
- Color: 0.04 lux (F2.0, 1/30sec, 30IRE) , BW: 0.04Lux (F2.0, 1/30sec, 30IRE)
- Built-in 2.39mm fixed focal lens
- Anti-ligature design for corrections and mental health facilities
- MicroSD/SDHC/SDXC memory slot (1TB)
- IR Viewable Length: Wise IR 15m (49.21ft), invisible 940mm wavelength
- Classified object type: Person/Face/Vehicle/License plate
- Clothes color detection (Orange/Black/Red, @400lux)
- Analytics events based on AI engine, Object detection, Virtual line (Crossing/Direction), Virtual area (Loitering/Intrusion/Enter/Exit)

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Specifications

映像

Imaging Device	サイズ	1/1.8"
	タイプ	CMOS
解像度		2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps(@3MP Max. 5fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.04
	BW(1/30sec, 30IRE)	0.004

レンズ

Focal Length (mm)		2.39
Max Aperture Ratio (F number)	Wide	2.0
視野角度	Horizontal	128°
	Vertical	100°
Min. Object Distance		0.5m(1.64ft)
Focus Control		Fixed

技能

Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC , WDR, SSDR
Wide Dynamic Range (dB)		120
Digital Noise Reduction		WiseNR II (Based on AI engine), SSNR V
Digital Image Stabilization		サポート
曇り除去		サポート
モーション検知	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
	Color / Option	灰色, 緑, Red, 青, 黒, 白, モザイク

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技能

ゲイン制御		オフ, 最大ゲイン, 手動
ホワイトバランス		ATW, NarrowATW, AWC, 手動, 室内, 屋外
Electronic Shutter	モード	最小, 最大, アンチフリッカー
	Speed Range	2~1/12,000sec
ビデオ回転		FLIPモード, ミラー, Hallway view(90°/270°)
Alarm Interface	In/Out	2 configurable I/O ports
	その他	Support extra alarm I/O via optional I/O box
Alarm Triggers		分析, ネットワーク切断, アラーム入力, アプリケーションイベント, タイムスケジュール, MQTT購読
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,アラーム出力, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback, MQTT: publication
オーディオ入力		Selectable(mic in/line in), Built-in MIC
オーディオ出力		Line out
Light Type		IR LED
Light Viewable Length	IR	WiseIR 15m(49.21ft)
IR Wavelength		940nm

分析

Classified Object Type		人, 顔, 車両, ナンバープレート
属性	車両	Type(car, bus, truck, motorcycle, bicycle)
サムネイル		DetectionShot
分析イベント	Based on AI Engine	対象物検知, 仮想線（交差·方向）, 仮想領域（ロータリング、侵入、Enter、Exit）, モーション検知
	通常	焦点ぼけ検知, タンパリング, フォグ検出, 音声検出, サウンド分類, Virtual area(Appear/Disappear)

ネットワーク

Ethernet		Metal shielded RJ-45(10/100BASE-T)
映像圧縮		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		手動, WiseStreamIII
ビットレートコントロール		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	最大 20ユーザー
	マルチキャスト	サポート
	Multiple Streaming	最大 10プロファイル

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ネットワーク

プロトコル		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast)
Application Programming Interface	ONVIF	s, G, T, M
	その他	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		サポート

セキュリティ

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
ユーザー認証	ダイジェスト認証, 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
Data Protect	Encryption credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
デバイスID	Device certificate(Hanwha Vision Root CA)
Secure Storage	TPM(Trusted platform module), HTPM(Hanwha Trusted Platform Module), SDcard partition encrypt(AES-256)
Security Certificate	TPM 2.0 with FIPS 140-2 level2

一般

メモリ	RAM	4GB
	フラッシュ	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 1TB x 1slot

Environmental & Electrical

動作条件	温度	-10°C~+55°C(+14°F~+131°F)
	湿度	0~95% RH(non-condensing)
	その他	Humidity control with AIR vent
保管条件	温度	-50°C~+60°C(-58°F~+140°F)
	湿度	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3), 12VDC
消費電力	PoE	Max 12.95W, typical 9.7W
	12VDC	Max 12.7W, typical 9.0W

Mechanical

カラー	白
材料	アルミニウム
RAL Code	RAL9003
Product Dimensions	198.3(W)x104.8(H)x198.6(D)mm(7.87x4.13x7.82")

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Mechanical

Product Weight	1935g(4.27 lb)

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A, 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 62471
環境	IEC/EN 63000, ISO 20653 IP6K9K, IEC 62262 IK11, NEMA 250 type 4X, IEC 60529 IP66/IP69

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	35.1m(115.16ft)
Observe (63PPM/ 19PPF)	Wide	14m(45.93ft)
Recognize (125PPM/ 38PPF)	Wide	7.0m(22.97ft)
Identify (250PPM/ 76PPF)	Wide	3.5m(11.48ft)

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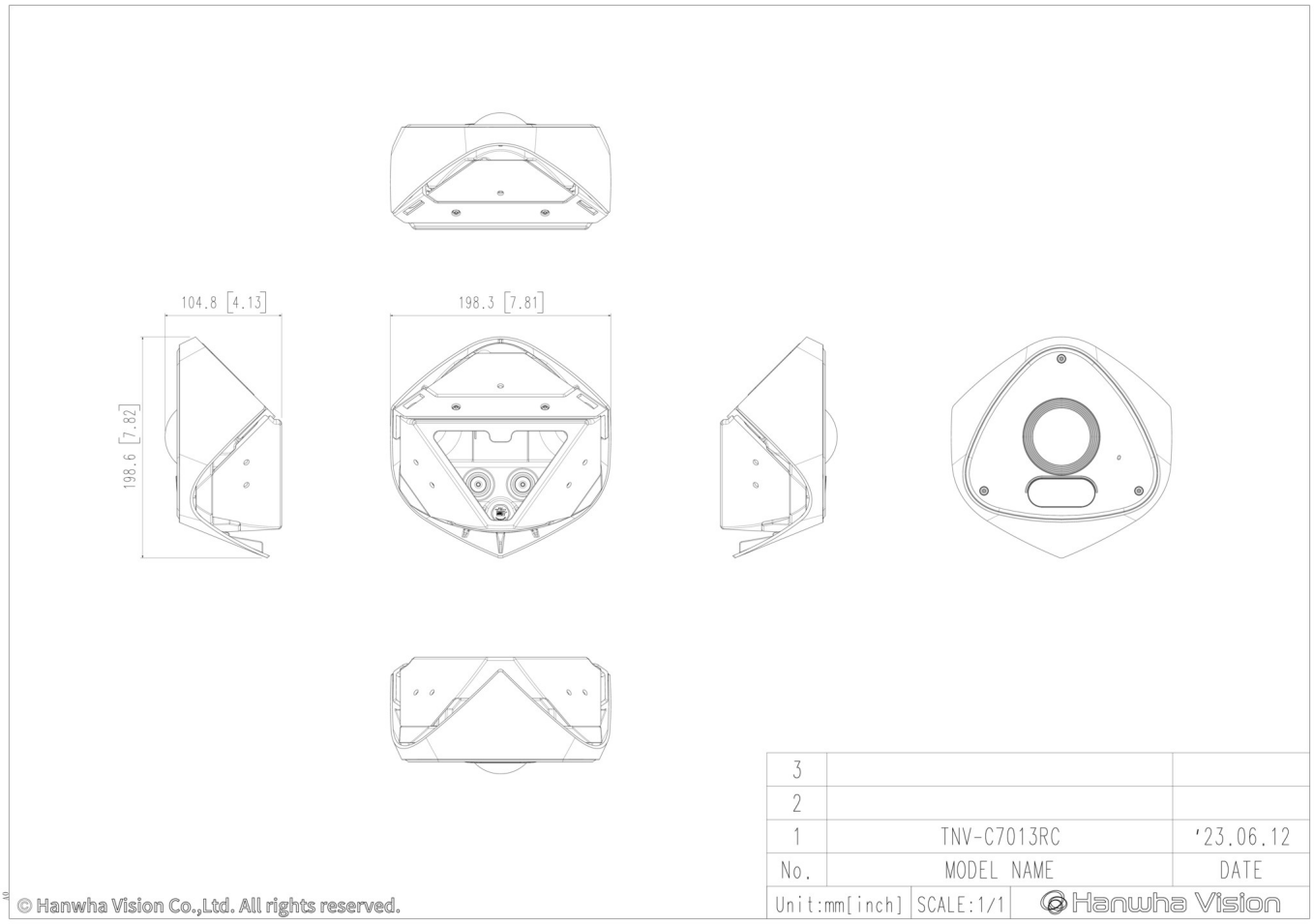
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CAD

Unit: mm [inch]



3		
2		
1	TNV-C7013RC	'23.06.12
No.	MODEL NAME	DATE
Unit:mm[inch]	SCALE:1/1	Hanwha Vision

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Compatible Devices



SPG-VAN13W

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