

Network Dome

QNE-C8013RL

5M H.265 IR Flateye Camera

Key Features

- Max. 5Megapixel (2592x1944) resolution
- 3.0mm fixed lens
- Color: 0.022Lux (F1.2, 1/30sec) / BW: 0.0022Lux (F1.2, 1/30sec, 30IRE), 0Lux(IR LED on)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec, WiseStreamIII(Based on AI engine), Multiple streaming
- Day & Night, WDR (120dB), WiseNR II (Using AI engine)
- Object Classification, Attributes and DetectionShot
- Micro SD / SDHC / SDXC memory slot (Max. 256GB)
- Hallway view, WiseStreamIII(Based on AI engine)
- ONVIF Profile S/G/T/M, SUNAPI(HTTP API)
- LDC, PoE
- IR Viewable length

- White LED : 30m(98.42ft)
- IR : 30m(98.42ft)

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.

© Hanwha Vision CO., LTD. All rights reserved.

QNE-C8013RL

5M H.265 IR Flateye Camera



Specifications

Video	
Imaging Device	1/2.8" CMOS
Resolution	2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps(@5MP Max. 5fps)
Min. Illumination	Color: 0.022Lux (F1.2, 1/30sec) BW: 0.0022Lux (F1.2, 1/30sec, 30IRE), 0Lux(IR LED on)

Lens	
Focal Length (Zoom Ratio)	3.0mm fixed focal
Max. Aperture Ratio	F1.2
Angular Field of View	H: 97° / V: 53° / D: 113°
Min. Object Distance	2.0m(6.56ft)
Focus Control	Fixed
Lens Type	Fixed IRIS
Mount Type	M12

Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0°~350° / 0°~75° / 0°~360°

Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V , WiseNR II (Based on AI engine)
Motion Detection	8ea, 8point Polygonal zones
Privacy Masking	32ea, 4point quadrangle zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)

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.

© Hanwha Vision CO., LTD. All rights reserved.

Analytics	Classified object type: Person/Vehicle(Type:car/bus/truck/motorcycle/bicycle) Attributes: Person, Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on AI engine - Motion detection*, Object detection, Virtual line*(Crossing/Direction), Virtual area*(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Tampering, Virtual area(Appear/Disappear) * Some of the video analytics only works with people and vehicle detection
Business Intelligence	Based on AI engine: People counting, Vehicle counting, Queue management, Heatmap
Alarm Triggers	Analytics, Network disconnect
Alarm Events	When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - Light alarm
Light Type	Dual light (White warm light, IR)
IR Viewable Length	White LED : 30m(98.42ft) IR : 30m(98.42ft)
IR Wavelength	long-life 850 nm IR LED

Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
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 5 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, 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	Secure boot, Signed firmware, Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Access Control	Access control based on IP address
Data Protect	Authentication information encryption, ZIP compression encryption
Audit	User Access/System/Event log management
Device ID	Device Certificate(Hanwha Private Root CA)
Secure Storage	SDcard partition encrypt

General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	2GB RAM, 1GB Flash

Environmental & Electrical

© Hanwha Vision CO., LTD. All rights reserved.

Operating Temperature / Humidity	-40°C~+60°C(-40°F~+140°F) / 0~95% RH * Start up should be done at above -30°C Humidity control /w Air sheet
Storage Temperature / Humidity	-50°C~+60°C(-58°F~+140°F) / 0~95% RH
Certification	IP66/IP67, IK10
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	PoE: Max 10.0W, typical 4.5W

Mechanical

Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	ø140.0x99.6mm(ø5.51x3.92"), 790g(1.74 lb)
Compatible Conduit hole / Gangbox	Conduit hole : None Gangbox : Single, Double, 4" Octagon
Hanging Mount (Dome)	SBP-140HMW
Backbox	SBV-140BW
Ceiling Mount (Assy)	SBP-300CMW1/900CMW, SBP-150CMI/300CMI, SBP-300CMTW, SBP-300CMTS
Wall Mount	SBP-140WMW, SBP-300WMW/WMW1, SBP-390WMW2
Pole Mount	SBD-140PMW, SBP-300PMW2, SBD-140PMB
Parapet Mount	SBP-300LMW, SBP-156LMW1
Corner Mount	SBP-300KMW1, SBD-140KMB
Tilt Mount	SBV-140TMW
Cabinet	SBP-300NBW

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 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A
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

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	45.9m(150.49ft)
Observe (63PPM/ 19PPF)	18.3m(60.19ft)
Recognize (125PPM/ 38PPF)	9.2m(30.09ft)
Identify (250PPM/ 76PPF)	4.6m(15.05ft)

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.

© Hanwha Vision CO., LTD. All rights reserved.

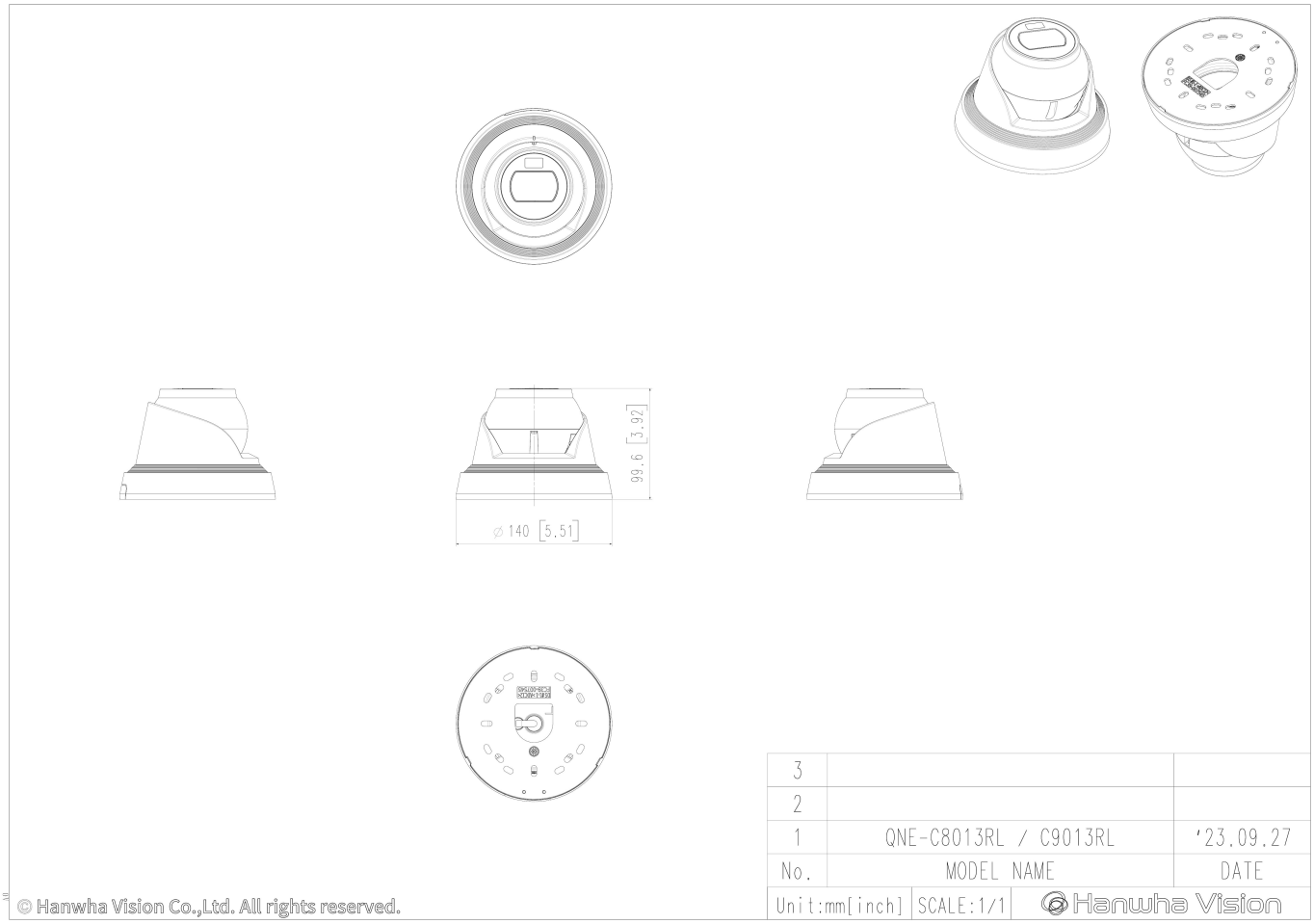
QNE-C8013RL

5M H.265 IR Flateye Camera



CAD

Unit:mm [inch]



© Hanwha Vision Co.,Ltd. All rights reserved.