



Network Dome

QNV-7012R 4MP IR Vandal Dome Camera



Key Features

Maximum 4MP resolution

- Color : 0.15Lux (F2.0, 1/30sec) B/W : OLux (IR LED On)
- 2.8mm fixed focal
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Motion detection, Tampering, Defocus detection
- Hallway view (90°/270°), LDC support
- Micro SD/SDHC/SDXC memory slot (128GB)
- IR viewable length 20m (65.62ft)
- IP66, IK10, PoE, 12VDC



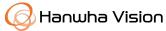
QNV-7012R 4MP IR Vandal Dome Camera





Specifications

Video		
Imaging Device	1/3" CMOS	
Resolution	2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240	
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps (@4MP Max. 2fps)	
Min. Illumination	Color : 0.15Lux (F2.0, 1/30sec) B/W : 0Lux (IR LED On)	
Video Out	CVBS: 1.0 Vp-p / 75 Ω composite, 720x480(N), 720x576(P) for installation	
Lens		
Focal Length (Zoom Ratio)	2.8mm fixed focal	
Max. Aperture Ratio	F2.0	
Angular Field of View	H: 108°, V: 60°, D: 122°	
Focus Control	Fixed	
Pan / Tilt / Rotate		
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°	
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	
Motion Detection	4ea, polygonal zones	
Privacy Masking	6ea, rectangular 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°)	
Analytics	Motion detection, Tampering, Defocus detection , Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)	
Alarm I/O	Input 1ea / Output 1ea	
Alarm Triggers	Analytics, Network disconnect, Alarm input	
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover(PTZ preset)	



QNV-7012R	
Audio In	Selectable(mic in/line in)
Light Type	IR LED (850nm)
Light Viewable Length	20m (65.62ft)
Network	
Ethernet	RJ-45 (10/100BASE-T)
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
Smart Codec	Manual (5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(6 users) / Multicast Multiple streaming(Up to 3 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, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP
Application Programming Interface	ONVIF Profile S/G/T, SUNAPI (HTTP API)
Security	
OS / Firmware Protect	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 128GB
Memory	512MB RAM, 256MB Flash

Environmental & Electrical	
Operating Temperature / Humidity	-40°C~+55°C (-40°F ~ +131°F) / 0~95% RH ★ Start up should be done at -30°C or above
Storage Temperature / Humidity	-40°C~+60°C (-40°F~+140°F) / 0~95% RH
Certification	IP66, IK10
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE: Max 10.7W, typical 8.1W 12VDC: Max 9.1W, typical 6.5W

Mechanical	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	ø120.3x91.7mm(ø4.74x3.61"), 510g(1.12 lb)
Compatible Conduit hole / Gangbox	- SBD-120GP : Single, Double, 4"Octagon
Hanging Mount (Dome)	SBP-122HMW

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.

QNV-7012R



Backbox

SBV-120GW

DORI (EN62676-4 standard)		
Detect (25PPM/ 8PPF)	37.5m(123.17ft)	
Observe (63PPM/ 19PPF)	15.0m(49.27ft)	
Recognize (125PPM/ 38PPF)	7.5m(24.63ft)	
Identify (250PPM/ 76PPF)	3.8m(12.32ft)	



QNV-7012R 4MP IR Vandal Dome Camera

Orterate Consta



CAD

Unit:mm [inch]

