

Video		 Hanwha QNV-7080R
Imaging Device	1/3" 4MP CMOS	
Effective Pixels	2688(H)x1520(V)	
Min. Illumination	Color: 0.15Lux(F1.4, 1/30sec) BW: 0Lux(IR LED on)	
Lens		
Focal Length (Zoom Ratio)	2.8~12mm(4.3x) motorized varifocal	
Max. Aperture Ratio	F1.4(Wide)~F3.6(Tele)	
Angular Field of View	H: 109.7°(Wide)~26°(Tele) / V: 60.8°(Wide)~15.2°(Tele) / H: 131.3°(Wide)~30.1°(Tele)	
Focus Control	Simple focus	
Lens Type	DC auto iris	
Pan / Tilt / Rotate		
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°	
Operational		
IR Viewable Length	30m(98.42ft)	
Camera Title	Displayed up to 20 characters per line(Max.5 lines)	
Day & Night	Auto(ICR)	
Backlight Compensation	BLC, WDR, SSSDR	
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	
Video Rotation	Flip, Mirror, Hallway view(90°/270°)	
Analytics	Defocus detection, Motion detection, Tampering	
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	
Audio In	Line in Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm	
Network		
Ethernet	RJ-45(10/100BASE-T)	
Video Compression	H.265/H.264, MJPEG	
Resolution	2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240	
Max. Framerate	H.265/H.264: Max. 20fps@4MP, Max. 30fps/25fps(60Hz/50Hz) 2MP, all resolution, MJPEG: Max 15fps/12fps(60Hz/50Hz)	
Smart Codec	WiseStream I	
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR	
Streaming	Unicast(6 users) / Multicast Multiple streaming(Up to 3 profiles)	
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps	
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, PIM-SM, UPnP, Bonjour	
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)	
Edge Storage	Micro SD/SDHC/SDXC 1slot 128GB	
Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API)	
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explorer11, MS Edge, Mozilla Firefox(Windows 64bit only), Apple Safari(Mac OS X only)	
Memory	512MB RAM, 256MB Flash	
Environmental		
Operating Temperature / Humidity	-30°C ~ +55°C(-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -20°C	
Storage Temperature / Humidity	-30°C ~ +60°C(-22°F ~ +140°F) / Less than 90% RH	
Certification	IP66, IK10	
Electrical		
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC	
Power Consumption	PoE: Max 7.20W 12VDC: Max 6.40W	
Mechanical		
Color / Material	Ivory / Aluminum	
Product dimensions / weight	Ø137.0x106.1mm(Ø5.39x4.18"), 680g(1.50 lb)	