



Model	QH-NW451DO-P	QH-NW451DS-P	QH-NW451DO-PT	QH-NW451DS-PT	QH-NW551DO-P	QH-NW456DO-P	QH-NW456DS-P	QH-NW556DO-P	QH-NV431DS-P	QH-NV436DS-P
View										
Camera										
Sensor/DSP	1/2.7" Progressive Scan CMOS	1/2.8" Exmor CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Exmor CMOS	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Exmor CMOS	1/3" Progressive Scan CMOS	1/2.8" Exmor CMOS	1/2.8" Exmor CMOS
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	0.1lux @F1.2,AGC on,0 lux with IR on	0.01lux @F1.2,AGC on,0 lux with IR on	0.1lux @F1.2,AGC on,0 lux with IR on	0.01lux @F1.2,AGC on,0 lux with IR on	0.1lux @F1.2,AGC on,0 lux with IR on	0.1lux @F1.2,AGC on,0 lux with IR on	0.01lux @F1.2,AGC on,0 lux with IR on	0.1lux @F1.2,AGC on,0 lux with IR on	0.01lux @F1.2,AGC on,0 lux with IR on	0.01lux @F1.2,AGC on,0 lux with IR on
Lens	2.8-12mm VF Lens	2.8-12mm VF Lens	2.8-12mm VF Lens	2.8-12mm VF Lens	2.8-12mm VF Lens	3.6mm/6mm 3.0MP Fixed Lens	3.6mm/6mm 3.0MP Fixed Lens	3.6mm/6mm 3.0MP Fixed Lens	2.8-12mm VF Lens	2.8-12mm VF Lens
IR LED	8 LED-Array	8 LED-Array	8 LED-Array	8 LED-Array	8 LED-Array	24Leds	24Leds	24Leds	18Leds	18Leds
IR Distance	5-40m	5-40m	5-40m	5-40m	5-40m	3-20m	3-20m	3-20m	3-20m	3-20m
Electronic Shutter	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s	1/20~1/30000s
Video										
Compression	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG
Max.image Resolution	1920x1080	1920x1080	1920x1080	1920x1080	2688x1520	1920x1080	1920x1080	2688x1520	1920x1080	1920x1080
Frame Rate	30fps @ 1080P	30fps @ 1080P	30fps @ 1080P	30fps @ 1080P	30fps(2688x1520)	30fps @ 1080P	30fps @ 1080P	30fps(2688x1520)	30fps @ 1080P	30fps @ 1080P
Bit Rate	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs	Main Stream: 1000~12000kps Sub Stream: 512~2048kpbs
Audio										
Compression	G.711	G.711	G.711	G.711	G.711	G.711	G.711	G.711	G.711	G.711
Talkback	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Network										
Protocol	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP	TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, UPNP, NTP
Compliance	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI	ONVIF V2.4(1.02 backward compatible) CGI
PC Client and Browser	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari	ISS, IE6.0 and above, Google Chrome, Mozilla Firefox, Mac Safari
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
WIFI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WIFI Encryption	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3G Network	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Interface										
Video Output	1Vp-p composite output (75Ω /BNC)	1Vp-p composite output (75Ω /BNC)	1Vp-p composite output (75Ω /BNC)	1Vp-p composite output (75Ω /BNC)	1Vp-p composite output (75Ω /BNC)	NA	NA	NA	NA	NA
Audio Input	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN	1 CH 3.5mm audio interface, MIC IN/LINE IN
Audio Output	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface	1 CH 3.5mm audio interface
Alarm Input	1	1	1	1	1	NA	NA	NA	NA	NA
Alarm Output	1	1	1	1	1	NA	NA	NA	NA	NA
LAN	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port	1 RJ45 10M / 100M ethernet port
RS-485	/	/	/	/	/	/	/	/	/	/
Storage Interface	up to 64GB,TF Card assemble optional during production	up to 64GB,TF Card assemble optional during production	up to 64GB,TF Card assemble optional during production	up to 64GB,TF Card assemble optional during production	up to 64GB,TF Card assemble optional during production	Built-in micro sd slot, up to 64GB	Built-in micro sd slot, up to 64GB	Built-in micro sd slot, up to 64GB	Built-in micro sd slot, up to 64GB	Built-in micro sd slot, up to 64GB
PIR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reset Button	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General										
Working Temperature	-10°C~ +50°C without heater	-10°C~ +50°C without heater	-10°C~ +50°C without heater -40°C~ +50°C with heater	-10°C~ +50°C without heater -40°C~ +50°C with heater	-10°C~ +50°C without heater	-10°C~ +50°C	-10°C~ +50°C	-10°C~ +50°C	-10°C~ +50°C	-10°C~ +50°C
Working Humidity	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%	0% - 90%
Protection Level	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	Vanproof and IP66	Vanproof and IP66
Power Supply	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)	12 VDC ± 10% , PoE(802.3af)
Consumption	6.5W IR ON 2.8W IR OFF	6.5W IR ON 2.8W IR OFF	6.5W IR ON 2.8W IR OFF 14W Heater ON	6.5W IR ON 2.8W IR OFF 14W Heater ON	6.8W IR ON 3W IR OFF	4.4W IR ON 2.8W IR OFF	4.4W IR ON 2.8W IR OFF	4.6W IR ON 3W IR OFF	4.4W IR ON 2.8W IR OFF	4.4W IR ON 2.8W IR OFF
Dimension	185*88*86mm	185*88*86mm	185*88*86mm	185*88*86mm	185*88*86mm	123*71*67mm	123*71*67mm	123*71*67mm	154*154*116mm	Φ139*128mm
Weight	1300g	1300g	1300g	1300g	1300g	600g	600g	600g	1000g	816g