

2.0 Mega Pixel IP Camera Introductions

HH9800N-MPC-S (with SD slot)



PoE can be built-in HH9800N-MPC-S box ip camera. The PoE protocol: 802.3AF-class 0

HH9800M-MPC-WS (With WIFI)



HH9800N Series are designed for Network high definition surveillance based on Micron CMOS sensor with high-performance multimedia processor. It adopts the embedded Linux OS. It supports H.264 Main Profile, Baseline Profile, MJPEG, JPEG and so on video encoding protocols. It has the advanced mega pixel technology with SD card storage and picture snapshot. It can intercommunicate with standard IPTV. It is a set of video capture, image processing, video transmission, video storage, video management functions in one type of high-definition, high-performance network camera. The design concept is all in one (highly integrated), Ready to go (Plug and Play), which greatly facilitates the user to install, use and maintenance. It is mainly to the requirements of higher-resolution images of high-end monitor market demand for applications, including, highways, banking, telemedicine, security checkpoints and other areas.

Features:

- It has High-performance Multimedia Processor, SOC single-chip, high speed video frequency processor with built-in ARM9+DSP.
- It has High-sensitivity, and high signal-to-noise ratio (SNR), 2.0 mega pixel Interlace CMOS.
- The Optimized H.264 Main Profile@Level 3 compression algorithm is better to satisfy the transmission of High Definition video at low network bandwidth.
- Max resolution is 1600*1200 real-time encoding.
- It can support 10 users to visit at the same time.
- Built-in Web Server to realize remote surveillance, controlling and setting via IE
- It can support 802.11b/g wireless network.
- It supports upgrade by remote control.
- It supports local or network storage. It is built-in SD slot. And it was integrated several network storage protocols
- It supports many network protocols, for example: HTTP, TCP/IP, UDP, SMTP, DDNS, DNS, SNTP, BOOTP, DHCP, FTP, RTSP, SNMP and so on.
- It supports dynamic IP address, LAN, Internet (ADSL and Cable Modem) and DDNS.

- It supports bi-directional real time transmission of audio and broadcast.
- It has network self-adapting technology to adjust video frame rate automatically according to the network bandwidth.
- It provides video loss, motion detection and sensor alarm functions.
- It provides RS485/RS232 serial port and built-in several decoding protocols. Also it supports transparent protocols
- Auto-retrieve function and auto-connection network

Main specification:

Image Sensor	1/3 inch CMOS, Minimum illumination 0.5 Lux		
Auto Iris	DC drive		
Video compression	H.264 Main Profile@Level 3		
Dual Stream	Preferred and Alternate stream: H.264 & MJPEG		
Video resolution	1600 x 1200,1280x960,1280 x 720, 800x600		
Video parameters	Brightness, hue, contrast, saturation and image quality		
Streaming Format	Video Streaming or Audio &Video composite Streaming		
Video Frame Rate	1600 x 1200	1~15 frames/second	
	1280 x 960	1~25 frames/second	
	1280 x 720	1~30 frames/second	
	800 x 600	1~30 frames/second	(firmware 2.2.1.3 or above)
Video Compression Bit rate	16Kbit/S~8Mbit/S		
Video output	1channel composite video output (CMOS NOT SUPPORTED)		
Audio Input	1channel,linear input, Input Impedance:1KOhms		
Audio Compression	G.726, G.711, ADPCM,		
Audio Output	1channel, linear output,		
Two-way talk input	Support Audio two-way talk		
Overlaid Caption	Channel, Date, Bit rate, position adjustable		
Local recording	SD card recording and snapshot		
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS,ARP, ICMP, POP3, NTP, Ipsec, UpnP, RTP, RTCP, 3GPP,RTSP and so on.		
System Interface	10Base-T/100Base-TX Ethernet port		
	WiFi (802.11b/g)		
	1 RS485		
Alarm input	1channel on/off input, support NO (open) or NC (closed)		
Alarm output	1 channel on/off, 120VAC 1A/24VDC 1A		
Alarm Message	Sending alarm message by email		
Power supply	DC 12V 1A		
Power consumption	6W Max		
Work temperature	-10~55 °C		
Storage temperature	-20~70 °C		

Work humidity	10~85%
Size	5.5x8x15cm
Computer System Requirements	OS: Microsoft Windows 98/ME/2000/XP/2003/Vista 32 bit IE: Microsoft Internet Explorer ver 6 ,7 or 8.

2.0 Mega Pixel IR IP Camera (for outdoor) with night vision

HH9801N-MPC-IR



HH9801N-MPC-IR-W



Main specification:

Image Sensor	1/3 inch CMOS	
Infrared Light	45 infrared lights, IR distance:30-50M	
Sensitivity	Color: 0.3Lux, B&W: 0.01Lux, Infrared: 0 Lux.	
Infrared Wave Length	885mm	
Video compression	H.264 Main Profile@Level 3	
Video resolution	1600 x 1200,1280x960,1280 x 720,800x600	
Video parameters	Brightness, hue, contrast, saturation and image quality	
Two Streaming	Preferred stream and Alternate stream: H.264 & MJPEG	
Streaming Format	Video Streaming or Audio &Video composite Streaming	
Video Frame Rate	1600 x 1200	1~15 frames/second
	1280 x 960	1~25 frames/second
	1280 x 720	1~30 frames/second
	800 x 600	1~30 frames/second (firmware 2.2.1.3 or above)
Video Compression Bit rate	16Kbit/S~8Mbit/S	
Audio Input	1channel,linear input, Input Impedance:1KOhms	

Audio Compression	G.726, G.711, ADPCM
Audio Output	1channel, linear output,
Two-way talk input	Support Audio two-way talk
Overlaid Caption	Channel, Date, Bit rate, position adjustable
Local recording	PC Hard disk
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, Ipsec, UpnP, RTP, RTCP, 3GPP, RTSP and so on.
System Interface	10Base-T/100Base-TX Ethernet port
	WiFi (802.11b/g)
	1 RS485
Alarm input	1channel on/off input, support NO (open) or NC (closed)
Alarm output	1 channel on/off, 120VAC 1A/24VDC 1A
Alarm Message	Sending alarm message by email
Power supply	DC 12V 1A
Power consumption	10W Max
Work temperature	-10~55 °C
Storage temperature	-20~70 °C
Work humidity	10~85%
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista 32bit Browser: Microsoft Internet Explorer ver 6, 7 or 8

IR IP Camera (for outdoor) with night vision (Full D1 resolution)

HH9801N-42S/50S/52S/52SD



HH9801N-42S/50S/52S/52SD-W



Main specification:

Image Sensor	42S/42SN : 420 line, 0.5LUX,1/3 SONY CCD
	50S/50SN : 500 line, 0.5LUX,1/3 SONY Super HAD CCD
	52S/52SN : 520 line, 0.5LUX,1/3 SONY Super HAD CCD
	52SD/52SDN: 540 line, 0.5LUX,1/3 SONY Super HAD CCD
Infrared Light	45 infrared lights, IR distance:30-50M
Sensitivity	Color: 0.3Lux, B&W: 0.01Lux, Infrared: 0 Lux.
Infrared Wave Length	885mm
Video compression	H.264 Main Profile@Level 3
Video resolution	PAL:352*288(CIF),704*288(2CIF),704*576(D1); NTSC:352*240(CIF),704*240(2CIF),704*480(D1)
Video parameters	Brightness, hue, contrast, saturation and image quality
Two Streaming	Preferred stream and Alternate stream: H.264 & MJPEG
Streaming Format	Video Streaming or Audio &Video composite Streaming
Video Frame Rate	PAL: 1-25frames/second NTSC:1-30frames/second
Video Compression Bit rate	16Kbit/S~16Mbit/S
Audio Input	1channel,linear input, Input Impedance:1KOhms
Audio Compression	G.726, G.711, ADPCM
Audio Output	1channel, linear output,
Two-way talk input	Support Audio two-way talk
Overlaid Caption	Channel, Date, Bit rate, position adjustable
Local recording	PC Hard disk
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS,ARP, ICMP, POP3, NTP, Ipsec, UpnP, RTP, RTCP, 3GPP,RTSP and so on.
System Interface	10Base-T/100Base-TX Ethernet port
	WIFI 802.11B/G
	1 RS485
Alarm input	1channel on/off input, support NO (open) or NC (closed)
Alarm output	1 channel on/off, 120VAC 1A/24VDC 1A
Alarm Message	Sending alarm message by email
Power supply	DC 12V 1A
Power consumption	10W Max
Work temperature	-10~55 °C
Storage temperature	-20~70 °C
Work humidity	10~85%
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista 32bit Browser: Microsoft Internet Explorer ver 6,7 or 8