



EFFORTSPLUS

Product Catalogue 2010 IP Cameras



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Product Overview - H.264 Network IP Cameras



CN1200 Series



CN1201-MPC-SR



CN1201-MPC-WSR



CN1202-R Series



CN1210-S Series



CN1210-WS Series



CN1211-SR Series



CN1211-WSR Series



CN1212-WSR Series



CN1203A Series



CN1203B Series



CN1203-WS Series



CN1213 Series



CN1223A-L16



CN1223B Series



CN1205 Series



CN1206 Series

Wireless & Wired 2.0 Mega Pixel Network IP Cameras

CN1200 Series



Specifications				
Models	CN1200-MPC-WS	CN1200-MPC-W	CN1200-MPC-S	CN1200-MPC
Image Device	1/3 inch CMOS			
Minimum Illumination	1.0Lux			
Video Compression	H.264			
Video Resolution	1600 x 1200, 1280 x 960, 1280 x 720, 800 x 600			
Video Parameters	Brightness, hue, contrast, saturation and image quality			
Dual Streaming	H.264 (Primary), MJPEG (Secondary)			
Streaming Format	Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	1600 x 1200 (1-15 fps); 1280 x 960 (1-25 fps); 1280 x 720 (1-30 fps); 800 x 600 (1-30 fps)			
Video Compression Bit Rate	16Kbit/s - 8Mbit/s			
Audio Input	1 channel, linear input, Input Impedance: 1K ohms			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel, linear output			
Two-way Talk Input	Support Audio two-way talk			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, Ipsec, UpnP, RTP, RTCP, 3GPP, RTSP.			
Local Recording	Support SD card	-	Support SD card	-
System Interface	WiFi (802.11b/g)	WiFi (802.11b/g)	-	-
	10Base-T/100Base-TX Ethernet port			
	1x RS485			
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off, 120VAC 1A/ 24VDC 1A			
Alarm Message	Sending alarm message by email			
Power Supply	12VDC 1A			
Power Consumption	6W Max.			
Operating Temperature	-10°C – +55°C			
Dimensions	155mm (L) x 80mm (W) x 55mm (H)			
Weight	1200g (Lens is excluded)			

Specifications are subject to change without prior notice.

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CN1200_sv1

Wired IP Mega Pixel Outdoor IR Cameras (Built-in SD Card Slot)

CN1201-MPC-SR



Specifications		
Models	CN1201-MPC-SR	
Image Device	1/3" CMOS	
Minimum Illumination	0.3Lux (Color), 0.01Lux (B/W), 0Lux (IR On)	
Video Compression	H.264 Main Profile@ Level3.0	
Video Resolution	1600 x 1200, 1280 x 960, 1280 x 720, 800 x 600	
Dual Streaming	H.264 & MJPEG	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	1600 x 1200	1-15fps
	1280 x 960	1-25fps
	1280 x 720	1-30fps
	800 x 600	1-30fps
Video Compression Bit Rate	30Kbit/s - 8Mbit/s	
Audio Input	1 channel linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel 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 1x RS485 port	
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/ off output, 120VAC 1A/ 24VDC 1A	
Alarm Message	Sending alarm message by email	
IR LED	48pcs	
IR Effective Range	30-50m	
Power Supply	12VDC 1A	



Specifications	
Models	CN1201-MPC-SR
Power Consumption	Max. 10W
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Operating Humidity	10 ~ 85%
Weight	3000g
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8

Specifications are subject to change without prior notice.

Wireless IP Mega Pixel Outdoor IR Cameras (Built-in SD Card Slot)

CN1201-MPC-WSR



Specifications		
Models	CN1201-MPC-WSR	
Image Device	1/3" CMOS	
Minimum Illumination	0.3Lux (Color), 0.01Lux (B/W), 0Lux (IR On)	
Video Compression	H.264 Main Profile@ Level3.0	
Video Resolution	1600 x 1200, 1280 x 960, 1280 x 720, 800 x 600	
Dual Streaming	H.264 & MJPEG	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	1600 x 1200	1-15fps
	1280 x 960	1-25fps
	1280 x 720	1-30fps
	800 x 600	1-30fps
Video Compression Bit Rate	30Kbit/s - 8Mbit/s	
Audio Input	1 channel linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel 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 port (802.11b/g) 1x RS485 port	
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/ off output, 120VAC 1A/ 24VDC 1A	
Alarm Message	Sending alarm message by email	
IR LED	48pcs	
IR Effective Range	30-50m	



Specifications	
Models	CN1201-MPC-WSR
Power Supply	12VDC 1A
Power Consumption	Max. 10W
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Operating Humidity	10 ~ 85%
Weight	3000g
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8

Specifications are subject to change without prior notice.

Wired IP Dome IR Cameras

CN1202-R Series



Specifications				
Models	CN1202-SCU-R	CN1202-SCX-R	CN1202-SCH-R	CN1202-SCC-R
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Minimum Illumination	0.5Lux			
Video Compression	H.264 Main Profile@ Level 3.0			
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25fps NTSC: 1-30fps			
Video Bit Rate	30Kbit/s - 16Mbit/s			
Audio Input	1 channel Microphone or linear input (configured by software), Input Impedance: 1K ohms			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel linear output			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP.			
System Interface	10Base-T/ 100Base-TX Ethernet port, 1x RS485 port, 1 x RS232 port			
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A			
Power Supply	12VDC 1A			
Power Consumption	Max. 6W			
Operating Temperature	-10°C ~ +55°C			
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	120mm (L) x 140mm (W) x 140mm (H)			
Weight	1500g			
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

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CN1202-R_sv1

Wired Indoor Network IP Box Camera

(Built-in SD Card Slot)

CN1210-S Series



Specifications				
Models	CN1210-SCU-S	CN1210-SCX-S	CN1210-SCH-S	CN1210-SCC-S
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Auto Iris Control	DC Drive			
Minimum Illumination	0.5Lux			
Video Compression	H.264 Main Profile 3.0			
Dual Streaming	H.264 & MJPEG			
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps			
Video Compression Bit Rate	30Kbit/S - 16Mbit/S			
Video Output	1 channel composite video output			
Audio Input	1 channel, linear input, Input Impedance: 1K ohms			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel, RCA interface, linear output			
Audio Two-way Talk	Built in Audio I/O port			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP.			
System Interface	10M/100M self-adapting Ethernet port			
	1x RS485 port, 1 RS232 port (supports transparent protocols)			
	SD card slot			
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off, 120VAC 1A/ 24VDC 1A			
Power Supply	12VDC 1A			
Power Consumption	6W Max.			
Operating Temperature	-10°C – +55°C			



Specifications				
Models	CN1210-SCU-S	CN1210-SCX-S	CN1210-SCH-S	CN1210-SCC-S
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	150mm (L) x 70mm (W) x 65mm (H)			
Weight	800g (Lens is excluded)			
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

Wireless Indoor Network IP Box Camera (Built-in SD Card Slot)

CN1210-WS Series



Specifications				
Models	CN1210-SCU-WS	CN1210-SCX-WS	CN1210-SCH-WS	CN1210-SCC-WS
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Auto Iris Control	DC Drive			
Minimum Illumination	0.5Lux			
Video Compression	H.264 Main Profile 3.0			
Dual Streaming	H.264 & MJPEG			
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps			
Video Compression Bit Rate	30Kbit/S - 16Mbit/S			
Video Output	1 channel composite video output			
Audio Input	1 channel, linear input, Input Impedance: 1K ohms			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel, RCA interface, linear output			
Audio Two-way Talk	Built in Audio I/O port			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP.			
System Interface	10M/100M self-adapting Ethernet port			
	1x RS485 port, 1 RS232 port (supports transparent protocols)			
	WiFi port (802.11b/g wireless network)			
	SD card slot			
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/ off, 120VAC 1A/ 24VDC 1A			
Power Supply	12VDC 1A			
Power Consumption	6W Max.			

Specifications				
Models	CN1210-SCU-WS	CN1210-SCX-WS	CN1210-SCH-WS	CN1210-SCC-WS
Operating Temperature	-10°C – +55°C			
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	150mm (L) x 70mm (W) x 65mm (H)			
Weight	800g (Lens is excluded)			
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

Wired Outdoor Weatherproof IP Camera with IR (Built-in SD Card Slot)

CN1211-SR Series



Specifications				
Models	CN1211-SCU-SR	CN1211-SCX-SR	CN1211-SCH-SR	CN1211-SCC-SR
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Minimum Illumination	0Lux (IR On)			
Video Compression	H.264 Main Profile3.0			
Dual Streaming	H.264 & MJPEG			
Video Parameters	Brightness, Hue, Contrast, Saturation, Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps			
Video Compression Bit Rate	30Kbit/S - 16Mbit/S			
Audio Input	1 channel, linear Input			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel, RCA interface, linear output			
Audio Two-way Talk	Built in Audio I/O port			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP.			
System Interface	10M/100M self-adapting Ethernet port			
	1x RS485 port, 1 RS232 port (supports transparent protocols)			
	Embedded SD cad slot			
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A			
IR LED	48pcs			
IR Effective Range	Max. 50m			
Power Supply	12VDC 1A			
Power Consumption	10W Max.			
Operating Temperature	-10°C ~ +55°C			

Specifications				
Models	CN1211-SCU-SR	CN1211-SCX-SR	CN1211-SCH-SR	CN1211-SCC-SR
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	270mm (L) x 95mm (W) x 105mm (H)			
Weight	3000g			
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

Wireless IP Outdoor IR Cameras

(Built-in SD Card Slot)

CN1211-WSR Series



Specifications				
Models	CN1211-SCU-WSR	CN1211-SCX-WSR	CN1211-SCH-WSR	CN1211-SCC-WSR
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Minimum Illumination	0.5Lux			
Video Compression	H.264 Main Profile			
Dual Streaming	H.264 & MJPEG			
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps			
Video Compression Bit Rate	30Kbit/s - 16Mbit/s			
Audio Input	1 channel linear Input			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel, RCA interface, linear output			
Audio Two-way Talk	Built-in Audio I/O port			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP			
System Interface	10M/ 100M self-adapting Ethernet port 1x RS485 port, 1x RS232 port (supports transparent protocols) Wifi port (802.11b/g wireless network) Embedded SD card slot (optional)			
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A			
IR LED	48pcs			
IR Effective Range	Max. 50m			
Power Supply	12VDC 1A			
Power Consumption	Max. 6W			



Specifications				
Models	CN1211-SCU-WSR	CN1211-SCX-WSR	CN1211-SCH-WSR	CN1211-SCC-WSR
Operating Temperature	-10°C ~ +55°C			
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	270mm (L) x 95mm (W) x 105mm (H)			
Weight	3000g			
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

Wireless/ Wired IP Dome Cameras with IR (Built-in SD Card Slot)

CN1212-WSR Series



Specifications				
Models	CN1212-SCU-WSR	CN1212-SCX-WSR	CN1212-SCH-WSR	CN1212-SCC-WSR
Image Device	1/3" SONY ExView HAD CCD	1/3" SONY Super HAD CCD		1/3" SONY CCD
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)			
Signal System	PAL/ NTSC			
Horizontal Resolution	540TVL	520TVL	500TVL	420TVL
Minimum Illumination	0Lux (IR On)			
Video Compression	H.264 Main Profile@ Level 3.0			
Dual Streaming	Preferred, Alternate stream: H.264 & MJPEG			
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality			
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming			
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps			
Video Compression Bit Rate	30Kbit/S - 16Mbit/S			
Audio Input	1 channel Microphone or linear input (configured by software) Input Impedance: 1K ohms			
Audio Compression	G.726, G.711, ADPCM			
Audio Output	1 channel linear output			
Video Output	1 channel composite video output			
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP			
System Interface	10Base-T/100Base-TX Ethernet port			
	1x RS485 port, 1x RS232 port			
	Wifi port (802.11b/g)			
	SD card slot			
Wireless Alarm Interface	Support alarm detectors, like smoking detectors, gas detectors and so on.			
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)			
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A			
IR LED	16pcs			
IR Effective Range	Max. 10m			
Power Supply	12VDC 1A			

Specifications				
Models	CN1212-SCU-WSR	CN1212-SCX-WSR	CN1212-SCH-WSR	CN1212-SCC-WSR
Power Consumption	Max. 6W			
Operating Temperature	-10°C ~ +55°C			
Storage Temperature	-20°C ~ +70°C			
Operating Humidity	10 ~ 85%			
Dimensions	120mm (L) x 140mm (W) x 140mm (H)			
Weight	1500g			
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista 32bit Browser: Microsoft Internet Explorer version 6, 7 or 8			

Specifications are subject to change without prior notice.

Wired H.264 IP High Speed PTZ Dome Camera

CN1203A Series



Specifications		
Models	CN1203A-L16	CN1203A-S18
Image Device	1/4" SONY Super HAD CCD	
Resolution	Up to 480 TVL	
Minimum Illumination	1.0Lux (Color), 0.01Lux (Black, DSS)	0.5Lux (Color), 0.001Lux (Black)
Camera	LG 16X Optical Zoom, 8X Digital Zoom	SONY 18X Optical Zoom, 12X Digital Zoom
S/N Ratio	> 48dB	> 50dB
Iris/ Focus	Auto/ Manual	
Back Light Compensation	Super BLC	
Dome PT	Angle: Horizontal 360°, Vertical: 180° Speed: Horizontal 0.1° - 150°/s, Vertical 0.1° - 100°/s Preset Position: 128, The RMS less than 0.05° The PST Speed: level 250°/s, vertical 200°/s Patrol Group: 8 Preset Position patrol, Keep time 2s - 250s Control: RS485	
Size	5.9 inch Alloy Case	
Video Compression	H.264 Main Profile 3.0	
Dual Streaming	H.264 & MJPEG	
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps	
Video Compression Bit Rate	30Kbit/s - 16Mbit/s	
Video Output	1 channel composite streaming	
Audio Input	1 channel, linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel, RCA interface, linear output	
Audio talk-back	1 channel, Audio In port	
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP	



Specifications		
Models	CN1203A-L16	CN1203A-S18
Protocol (Available)	Sony, Hitachi, CNB, LG	
System Interface	10Base-T / 100Base-TX 1x RS485 port	
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/off, 120VAC 1A/ 24VDC 1A	
Power Supply	12VDC, 1A	
Power Consumption	Max. 20W	
Operating Temperature	-10°C ~ +55°C	
Storage Temperature	-20°C ~ +70°C	
Operating Humidity	10 ~ 85%	
Dimensions	300mm (L) x 260mm (W) x 260mm (H)	
Weight	10 kg	
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8	

Specifications are subject to change without prior notice.

Wired H.264 IP High Speed PTZ Dome Camera

CN1203B Series



Specifications		
Models	CN1203B-L16	CN1203B-S18
Image Device	1/4" SONY Super HAD CCD	
Resolution	Up to 480 TVL	
Minimum Illumination	1.0Lux (Color), 0.01Lux (Black, DSS)	0.5Lux (Color), 0.001Lux (Black)
Camera	LG 16X Optical Zoom, 8X Digital Zoom	SONY 18X Optical Zoom, 12X Digital Zoom
S/N Ratio	> 48dB	> 50dB
Iris/ Focus	Auto/ Manual	
Back Light Compensation	Super BLC	
Dome PT	Angle: Horizontal 360°, Vertical: 180° Speed: Horizontal 0.1° - 150°/s, Vertical 0.1° - 100°/s Preset Position: 128, The RMS less than 0.05° The PST Speed: level 250°/s, vertical 200°/s Patrol Group: 8 Preset Position patrol, Keep time 2s - 250s Control: RS485	
Size	5.9 inch Alloy Case	
Video Compression	H.264 Main Profile 3.0	
Dual Streaming	H.264 & MJPEG	
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps	
Video Compression Bit Rate	30Kbit/s - 16Mbit/s	
Video Output	1 channel composite streaming	
Audio Input	1 channel, linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel, RCA interface, linear output	
Audio talk-back	1 channel, Audio In port	
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP	



Specifications		
Models	CN1203B-L16	CN1203B-S18
Protocol (Available)	Sony, Hitachi, CNB, LG	
System Interface	10Base-T/ 100Base-TX 1x RS485 port	
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/off, 120VAC 1A/ 24VDC 1A	
Power Supply	12VDC, 1A	
Power Consumption	Max. 20W	
Operating Temperature	-10°C ~ +55°C	
Storage Temperature	-20°C ~ +70°C	
Operating Humidity	10 ~ 85%	
Dimensions	300mm (L) x 260mm (W) x 260mm (H)	
Weight	10 kg	
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8	

Specifications are subject to change without prior notice.

Wireless IP High Speed PTZ Dome Camera (Built-in SD Card Slot)

CN1203-WS Series



Specifications		
Models	CN1203-S18-WS	CN1203-L16-WS
Image Device	1/4" Sony Super HAD CCD	
Resolution	Up to 480 TVL	
Signal System	PAL/ NTSC	
Minimum Illumination	0.3Lux (Color), 0.01Lux (B/W)	
Camera Zoom	SONY 18X Optical, 10X Digital	LG 16X Optical, 8X Digital
Video Compression	H.264 Main Profile 3.0	
Dual Streaming	H.264 & MJPEG	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Audio streaming	Two Way Audio connector (optional)	
Local Storage	SD card, Max. 32G (optional)	
Video Compression Bit Rate	30Kbit/s – 16Mbit/s	
Preset	128 presets, it can be named with editable title	
Communication	RS485-422, AD, BI-PHASS code, axis visual control	
Pan Rotation Range	360° Continuous	
Tilt Range	Tilt 90°	
Manual Pan Speed	0.08° ~ 240°/s	
Manual Tilt Speed	0.08° ~ 100°/s	
Cruse Tracking	2pcs	
Protocol (Available)	Sony, Hitachi, CNB, LG	
Baud Rate (RS485)	2400/ 4800/ 9600/ 19200bps	
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP	
System Interface	10M/ 100M self-adapting Ethernet port, power supply cable Wifi port (802.11b/g wireless network) Embedded SD card slot (optional)	
Power Supply	12VDC/ 2A - 15VDC/ 2A	
Power Consumption	Max. 10W (Indoor), Max. 20W (Outdoor)	
Operating Temp	0°C ~ +60°C (Indoor), -40°C ~ +70°C (Outdoor)	
Weight	10 kg	

Specifications are subject to change without prior notice.

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CN1203-WS_sv1

Wired IP Mini High Speed PTZ Dome Camera

CN1213 Series



Specifications		
Models	CN1213-A10	CN1213-S10
Image Device	1/4 SONY Super HAD CCD	
Resolution	Up to 480 TVL	
Signal System	PAL/ NTSC	
Minimum Illumination	0.5Lux (Color), 0.01Lux (Black)	0.5Lux (Color), 0.001Lux (Black)
Camera	SAMSUNG 10X Optical Zoom	SONY 10X Optical Zoom, 10X Digital Zoom
S/N Ratio	> 48dB	> 50dB
Iris/ Focus	Auto/ Manual	
Back Light Compensation (BLC)	Super BLC	
Dome PT	Angle: Horizontal 360°, Vertical 180° Speed: Horizontal 0.1°-150°/s, Vertical 0.1°- 100°/s Preset Position: 128, The RMS less than 0.05° The PST Speed: Horizontal 250°/s, vertical 200°/s Patrol Group: 8 Preset Position patrol, Keep time 2s ~ 250s Control: RS485	
Size	4 Inch Alloy Case	
Video Compression	H.264 Main Profile	
Dual Streaming	H.264 & MJPEG	
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps	
Video Compression Bit Rate	30Kbit/s - 16Mbit/s	
Video Output	1 channel composite Streaming	
Audio Input	1 channel, linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel, RCA interface, linear output	
Audio talk-back	1 channel, Audio In port	



Specifications		
Models	CN1213-A10	CN1213-S10
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP	
System Interface	10Base-T/ 100Base-TX 1x RS485 port	
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/off, 120VAC 1A/ 24VDC 1A	
Power Supply	12VDC 1A	
Power Consumption	Max. 20W	
Operating Temperature	-10°C ~ +55°C	
Storage Temperature	-20°C ~ +70°C	
Operating Humidity	10 ~ 85%	
Weight	5 kg	
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8	

Specifications are subject to change without prior notice.

Wired H.264 IP Low Speed PTZ Dome Camera

CN1223A-L16



Specifications	
Models	CN1223A-L16
Image Device	1/4 SONY Super HAD CCD
Minimum Illumination	1.0Lux (Color), 0.2Lux (Black, DSS)
Signal System	PAL/ NTSC
Camera	LG 16X Optical Zoom, 8X Digital Zoom
S/N Ratio	> 48dB
Iris/ Focus	Auto/ Manual
Back Light Compensation (BLC)	Super BLC
Dome PT	Angle: Horizontal 360°, vertical 180° Speed: Horizontal 6°-15°/s, vertical 6°- 15°/s Preset Position: 64, The RMS less than 0.05° Patrol Group: 4 Group (16 Preset Position) Control: RS485
Size	7 Inch Alloy Case
Video Compression	H.264 Main Profile
Dual Streaming	H.264 & MJPEG
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps
Video Compression Bit Rate	30Kbit/s - 16Mbit/s
Video Output	1 channel composite Streaming
Audio Input	1 channel, linear input, Input Impedance: 1K ohms
Audio Compression	G.726, G.711, ADPCM
Audio Output	1 channel, RCA interface, linear output
Audio talk-back	1 channel, MIC input
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP
Protocol (Available)	CNB, LG

Specifications	
Models	CN1223A-L16
System Interface	10Base-T/ 100Base-TX 1x RS485 port
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A
Power Supply	12VDC, 1A
Power Consumption	Max. 20W
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Operating Humidity	10 ~ 85%
Dimensions	310mm (L) x 240mm (W) x 240mm (H)
Weight	10 kg
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8

Specifications are subject to change without prior notice.

Wired H.264 IP Low Speed PTZ Dome Camera (with IR LEDs)

CN1223B Series



Specifications		
Models	CN1223B-S18-R	CN1223B-L23-R
Image Device	1/4 SONY Super HAD CCD	
Minimum Illumination	1.0Lux (Color), 0.2Lux (Black, DSS), 0Lux (IR On)	
Signal System	PAL/ NTSC	
Camera	Sony 18X Optical Zoom, 12X Digital Zoom	LG 23X Optical Zoom, 10X Digital Zoom
IR LED	36pcs	
IR Effective Range	50-100m	
S/N Ratio	> 48dB	
Iris/ Focus	Auto/ Manual	
Back Light Compensation (BLC)	Super BLC	
Dome PT	Angle: Horizontal 360°, vertical 180° Speed: Horizontal 6°-15°/s, vertical 6°- 15/s Preset Position: 64, The RMS less than 0.05° Patrol Group: 4 Group (16 Preset Position) Control: RS485	
Size	7 inch Alloy Case	
Video Compression	H.264 Main Profile	
Dual Streaming	H.264 & MJPEG	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Effective Pixels (H x V)	PAL: 352 x 288 (CIF), 704 x 288 (2CIF), 704 x 576 (D1) NTSC: 352 x 240 (CIF), 704 x 240 (2CIF), 704 x 480 (D1)	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Video Frame Rate	PAL: 1-25 fps; NTSC: 1-30 fps	
Video Compression Bit Rate	30Kbit/s - 16Mbit/s	
Video Output	1 channel composite streaming	
Audio Input	1 channel, linear input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel, RCA interface, linear output	
Audio talk-back	1 channel, MIC input	



Specifications	
Models	CN1223B-S18-R CN1223B-L23-R
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTSP, RTCP
System Interface	10Base-T/ 100Base-TX 1x RS485 port
Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A
Power Supply	12VDC, 1A
Power Consumption	Max. 30W
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Operating Humidity	10 ~ 85%
Dimensions	310mm (L) x 240mm (W) x 240mm (H)
Weight	10 kg
System Requirements	Operation System: Microsoft Windows 98/ ME/ 2000/ XP/ 2003/ Vista Browser: Microsoft Internet Explorer version 6, 7 or 8

Specifications are subject to change without prior notice.

Wireless/ Wired Cube IP Camera

(Built-in SD Card Slot)

CN1205 Series



Specifications		
Models	CN1205-WSR (Wireless)	CN1205-SR (Wired)
Image Device	1/4" CMOS sensor	
Effective Pixels (H x V)	VGA: 640 x 480 QVGA: 320 x 240	
Horizontal Resolution	VGA Resolution	
Minimum Illumination	1.0Lux	
Video Compression	H.264 Main Profile@ Level 3.0	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Streaming Format	Optional Video Streaming or Audio & Video composite Streaming	
Video Frame Rate	1-30 fps	
Video Compression Bit Rate	30Kbit/S - 16Mbit/S	
Audio Input	1 channel Microphone or linear Input (configured by software), Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Output	1 channel linear output	
Audio Talk-back Input	1 channel Microphone input	
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP.	
System Interface	10Base-T/100Base-TX Ethernet port	
	1x RS485 port, 1x RS232 port	
	Wifi port (802.11b/g wireless network)	-
	SD card slot	
Alarm Input	1 channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A	
Power Supply	12VDC 1A	
Power Consumption	Max. 6W	
Operating Temperature	-10°C ~ +55°C	
Storage Temperature	-20°C ~ +70°C	
Operating Humidity	10 ~ 85%	
Dimensions	75mm (L) x 25mm (W) x 120mm (H)	

Specifications		
Models	CN1205-WSR (Wireless)	CN1205-SR (Wired)
Weight	700g	
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista Browser: Microsoft Internet Explorer version 6, 7 or 8	

Specifications are subject to change without prior notice.

Wireless/ Wired P/T IP Cameras

(Built-in SD Card Slot)

CN1206 Series



Specifications		
Models	CN1206-WSR (Wireless)	CN1206-SR (Wired)
Image Device	1/4" CMOS sensor	
Effective Pixels (H x V)	VGA: 640 x 480 QVGA: 320 x 240	
Horizontal Resolution	VGA Resolution	
Built-in P/T	Horizontal: 320° ; Vertical : 110°	
Minimum Illumination	1.0Lux, 0Lux (IR On)	
Video Compression	H.264 Main Profile@ Level 3.0	
Video Parameters	Brightness, Hue, Contrast, Saturation and Image quality	
Video Output	1 channel composite video output	
Stream Format	Pure Video Stream or composite stream of audio and video	
Video Frame Rate	1-30 fps	
Video Compression Bit Rate	30Kbit/s - 16Mbit/s	
Linear Audio Input	1 channel linear Input, Input Impedance: 1K ohms	
Audio Compression	G.726, G.711, ADPCM	
Audio Input	Built-in 1 microphone	
Audio Output	1 channel linear output	
	Built-in 1 channel Speaker	
	1 buzzer	
Supported Protocols	TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, IPsec, UPNP, RTP, RTCP, RTSP	
System Interface	10Base-T/100Base-TX Ethernet port	
	1x RS485 port, 1x RS232 port , support some P/T protocols (Wired port)	
	Wifi port (802.11b/g)	-
	SD card slot	
Wireless Alarm Port	Support alarm detectors, like smoking detectors, gas detectors and so on.	
Wired Alarm Input	1channel on/ off input, support Normal Open (NO) or Normal Close (NC)	
Wired Alarm Output	1 channel on/off output, 120VAC 1A/ 24VDC 1A	
IR LED	10pcs	



Specifications		
Models	CN1206-WSR (Wireless)	CN1206-SR (Wired)
IR Effective Range	Max. 5m	
Power Supply	12VDC 1A	
Power Consumption	Max. 6W	
Operating Temperature	-10°C ~ +55°C	
Storage Temperature	-20°C ~ +70°C	
Operating Humidity	10 ~ 85%	
Dimensions	120mm (L) x 140mm (W) x 140mm (H)	
Weight	700g	
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003/Vista 32bit Browser: Microsoft Internet Explorer version 6, 7 or 8	

Specifications are subject to change without prior notice.



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