

Registration No. 20-0356169

LCD Combo DVR **Guide**

19" HST-SERIES

SJ-1904HST12 / 1908HST24 / 1916HST24

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 19" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1280X1024)
FAST RESPONSE TIME

DVR

DVR FEATURES

TOUCH SCREEN
4/8/16CH VIDEO RECORDING
TRUE H.264 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK), CD/DVD-RW
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1904HST12	1908HST24	1916HST24	
DVR	Operating System	Embedded Linux			
	Video Compression	H.264			
	Operating Mode	Triplex			
	Video Input Format	NTSC / PAL			
	Video Input	4CH	8CH	16CH	
	Audio Input	4CH			
	Audio Output	1CH			
	Sensor Input	4CH	8CH (included 2 Fire)	16CH (included 2 Fire)	
	Alarm Output	1Port	1Port	2Port	
	Record Quality	Low / Normal / High / Super			
	Screen Division	1 / 4	1 / 4 / 8	1 / 4 / 8 / 16	
	Display Speed	NTSC	120 fps	240 fps	480 fps
		PAL	100 fps	200 fps	400 fps
	Recording Speed	NTSC	30 fps / 60 fps / 120 fps	60 fps / 120 fps / 240 fps	60 fps / 120 fps / 240 fps
		PAL	25 fps / 50 fps / 100 fps	50 fps / 100 fps / 200 fps	50 fps / 100 fps / 200 fps
	Recording Resolution	NTSC	720×480 / 720×240 / 352×240		
		PAL	720×576 / 720×288 / 352×288		
	Recording Mode	Full Time, Motion, Sensor, Schedule			
Network	STATIC, DHCP, PPPoE, DDNS				
Network Control	Remote Viewing, Playback, Control, Backup				
Camera Control	Pan / Tilt, Zoom, Focus				
Backup	USB(Memory Stick), CD/DVD-RW				
Power	DC 12V/5A	DC 12V/7A	DC 12V/7A		
LCD	Resolution	1280×1024×RGB(75Hz)			
	Luminance	250 cd/m ²			
	Size	430(W)×225(D)×440(H) - Including Stand			



LCD MONITOR



TOUCH SCREEN



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL

TRUE H.264

COMPRESSION



REMOTE OBSERVATION

19" HS-SERIES

SJ-1904HS12 / 1908HS24 / 1916HS24

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 19" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1280X1024)
FAST RESPONSE TIME

DVR

DVR FEATURES

4/8/16CH VIDEO RECORDING
TRUE H.264 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK), CD/DVD-RW
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1904HS12	1908HS24	1916HS24	
DVR	Operating System	Embedded Linux			
	Video Compression	H.264			
	Operating Mode	Triplex			
	Video Input Format	NTSC / PAL			
	Video Input	4CH	8CH	16CH	
	Audio Input	4CH			
	Audio Output	1CH			
	Sensor Input	4CH	8CH (included 2 Fire)	16CH (included 2 Fire)	
	Alarm Output	1Port	1Port	2Port	
	Record Quality	Low / Normal / High / Super			
	Screen Division	1 / 4	1 / 4 / 8	1 / 4 / 8 / 16	
	Display Speed	NTSC	120 fps	240 fps	480 fps
		PAL	100 fps	200 fps	400 fps
	Recording Speed	NTSC	30 fps / 60 fps / 120 fps	60 fps / 120 fps / 240 fps	60 fps / 120 fps / 240 fps
		PAL	25 fps / 50 fps / 100 fps	50 fps / 100 fps / 200 fps	50 fps / 100 fps / 200 fps
	Recording Resolution	NTSC	720x480 / 720x240 / 352x240		
PAL		720x576 / 720x288 / 352x288			
Recording Mode	Full Time, Motion, Sensor, Schedule				
Network	STATIC, DHCP, PPPoE, DDNS				
Network Control	Remote Viewing, Playback, Control, Backup				
Camera Control	Pan / Tilt, Zoom, Focus				
Backup	USB(Memory Stick), CD/DVD-RW				
Power	DC 12V/5A	DC 12V/7A	DC 12V/7A		
LCD	Resolution	1280x1024xRGB(75Hz)			
	Luminance	250 cd/m ²			
	Size	430(W)x225(D)x440(H) - Including Stand			



LCD MONITOR



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL

TRUE H.264

COMPRESSION



REMOTE OBSERVATION

23" HST-SERIES

SJ-2308HST24 / 2316HST24

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 23" LCD
HIGH BRIGHTNESS & CONTRAST 300CD/M²
RESOLUTION (1920X1080)
FAST RESPONSE TIME

DVR

DVR FEATURES

TOUCH SCREEN
8/16CH VIDEO RECORDING
TRUE H.264 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK), CD/DVD-RW
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		2308HST24	2316HST24	
DVR	Operating System	Embedded Linux		
	Video Compression	H.264		
	Operating Mode	Triplex		
	Video Input Format	NTSC / PAL		
	Video Input	8CH	16CH	
	Audio Input	4CH		
	Audio Output	1CH		
	Sensor Input	8CH (included 2 Fire)	16CH (included 2 Fire)	
	Alarm Output	1Port	2Port	
	Record Quality	Low / Normal / High / Super		
	Screen Division	1 / 4 / 8	1 / 4 / 8 / 16	
	Display Speed	NTSC	240 fps	480 fps
		PAL	200 fps	400 fps
	Recording Speed	NTSC	60 fps / 120 fps / 240 fps	
		PAL	50 fps / 100 fps / 200 fps	
	Recording Resolution	NTSC	720x480 / 720x240 / 352x240	
		PAL	720x576 / 720x288 / 352x288	
	Recording Mode	Full Time, Motion, Sensor, Schedule		
Network	STATIC, DHCP, PPPoE, DDNS			
Network Control	Remote Viewing, Playback, Control, Backup			
Camera Control	Pan / Tilt, Zoom, Focus			
Backup	USB(Memory Stick), CD/DVD-RW			
Power	DC 12V/7A			
LCD	Resolution	1920x1080xRGB(60Hz)		
	Luminance	300 cd/m ²		
	Size	560(W)x225(D)x340(H) - Including Stand		



LCD MONITOR



TOUCH SCREEN



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL



COMPRESSION



REMOTE OBSERVATION

23" HS-SERIES

SJ-2308HS24 / 2316HS24

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 23" LCD
HIGH BRIGHTNESS & CONTRAST 300CD/M²
RESOLUTION (1920X1080)
FAST RESPONSE TIME

DVR

DVR FEATURES

8/16CH VIDEO RECORDING
TRUE H.264 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK), CD/DVD-RW
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		2308HS24	2316HS24	
DVR	Operating System	Embedded Linux		
	Video Compression	H.264		
	Operating Mode	Triplex		
	Video Input Format	NTSC / PAL		
	Video Input	8CH	16CH	
	Audio Input	4CH		
	Audio Output	1CH		
	Sensor Input	8CH (included 2 Fire)	16CH (included 2 Fire)	
	Alarm Output	1Port	2Port	
	Record Quality	Low / Normal / High / Super		
	Screen Division	1 / 4 / 8	1 / 4 / 8 / 16	
	Display Speed	NTSC	240 fps	480 fps
		PAL	200 fps	400 fps
	Recording Speed	NTSC	60 fps / 120 fps / 240 fps	
		PAL	50 fps / 100 fps / 200 fps	
	Recording Resolution	NTSC	720x480 / 720x240 / 352x240	
		PAL	720x576 / 720x288 / 352x288	
	Recording Mode	Full Time, Motion, Sensor, Schedule		
Network	STATIC, DHCP, PPPoE, DDNS			
Network Control	Remote Viewing, Playback, Control, Backup			
Camera Control	Pan / Tilt, Zoom, Focus			
Backup	USB(Memory Stick), CD/DVD-RW			
Power	DC 12V/7A			
LCD	Resolution	1920x1080xRGB(60Hz)		
	Luminance	300 cd/m ²		
	Size	560(W)x225(D)x340(H) - Including Stand		



LCD MONITOR



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL

TRUE H.264

COMPRESSION



REMOTE OBSERVATION

19" PL-SERIES

SJ-1904PL12 / 1908PL24

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 19" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1280X1024)
FAST RESPONSE TIME

DVR

DVR FEATURES

4/8CH VIDEO RECORDING
MPEG4 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK), EXTERNAL HDD&DVD-RW
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1904PL12	1908PL24	
DVR	Operating System	Embedded Linux		
	Video Compression	Modified MPEG4		
	Operating Mode	Triplex		
	Video Input Format	NTSC / PAL		
	Video Input	4CH	8CH	
	Audio Input	4CH		
	Audio Output	1CH		
	Sensor Input	4CH	8CH	
	Alarm Output	1Port		
	Record Quality	Low / Standrad / High / Highest		
	Screen Division	1 / 4 / PIP	1 / 4 / 8 / PIP	
	Display Speed	NTSC	120 fps	240 fps
		PAL	100 fps	200 fps
	Recording Speed	NTSC	30 fps / 60 fps / 120 fps	60 fps / 120 fps / 240 fps
		PAL	25 fps / 50 fps / 100 fps	50 fps / 100 fps / 200 fps
	Recording Resolution	NTSC	720×480 / 720×240 / 360×240	
		PAL	720×576 / 720×288 / 360×288	
	Recording Mode	CMotion Detection, Sensor, Schedule		
Network	STATIC, DHCP, DDNS			
Network Control	Remote Viewing, Playback, Control, Backup, CMS			
Camera Control	Pan / Tilt, Zoom, Focus, Iris			
Backup	USB(Memory Stick), External HDD&DVD-RW			
Power	DC 12V/5A	DC 12V/7A		
LCD	Resolution	1280×1024×RGB(75Hz)		
	Luminance	250 cd/m ²		
	Size	430(W)×225(D)×440(H) - Including Stand		



LCD MONITOR



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL



COMPRESSION



REMOTE OBSERVATION

19" All In One DVR

SJ-1908ES06

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 19" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1280X1024)
FAST RESPONSE TIME

DVR

DVR FEATURES

8CH VIDEO RECORDING
MJPEG COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK)
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1908ES06	
DVR	Operating System		RTOS
	Video Compression		MJPEG
	Operating Mode		Triplex
	Video Input Format		NTSC / PAL
	Video Input		8CH
	Audio Input		4CH
	Audio Output		1CH
	Sensor Input		4CH
	Fire Sensor Input		2CH
	Alarm Output		1Port
	Record Quality		Low / Normal / High
	Screen Division		1 / 4 / 8
	Display Speed	NTSC	240 fps
		PAL	200 fps
	Recording Speed	NTSC	60 fps (Full)
		PAL	50 fps (Full)
	Recording Resolution	NTSC	640 x 224 (Full)
		PAL	640 x 272 (Full)
Recording Mode		Motion Detection, Sensor, Schedule	
Network		STATIC, DHCP, PPPoE, DDNS	
Network Control		Remote Viewing, Playback, Control, Backup	
Camera Control		Support (Pelco D)	
Backup		USB (Memory Stick)	
Power		DC 12V/7A	
LCD	Resolution		1280x1024xRGB(75Hz)
	Luminance		250 cd/m ²
	Size		430(W)x225(D)x440(H) - Including Stand



LCD MONITOR



CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL



COMPRESSION



REMOTE OBSERVATION

15" All In One DVR

SJ-1504EA

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 15" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1024X768)
FAST RESPONSE TIME

DVR

DVR FEATURES

4CH VIDEO RECORDING
MJPEG COMPRESSION & SIMPLEX MODE
BACK UP - USB(MEMORY STICK)
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1504EA	
DVR	Operating System	RTOS	
	Video Compression	MJPEG	
	Operating Mode	Simplex	
	Video Input Format	NTSC / PAL	
	Video Input	4CH	
	Audio Input	4CH	
	Audio Output	1CH	
	Sensor Input	4CH	
	Alarm Output	1 Port	
	Record Quality	Low / Normal / High	
	Screen Division	1 / 4	
	Display Speed	NTSC	120 fps
		PAL	100 fps
	Recording Speed	NTSC	Full : 120 fps / Quad : 30 fps
		PAL	Full : 100 fps / Quad : 25 fps
	Recording Resolution	NTSC	Full : 640x224 / Quad : 320x112
		PAL	Full : 640x272 / Quad : 320x136
Recording Mode	Motion Detection, Sensor, Schedule		
Network	STATIC, DHCP, DDNS		
Network Control	Remote Viewing, Playback, Control, Backup		
Camera Control	-		
Backup	USB(Memory Stick)		
Power	DC 12V/5A		
LCD	Resolution	1024x768xRGB(75Hz)	
	Luminance	250 cd/m ²	
	Size	380(W)x65(D)x370(H) - Including Stand	



LCD MONITOR

4

CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL



COMPRESSION



REMOTE OBSERVATION

15" All In One DVR

SJ-1504EA

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 15" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (1024X768)
FAST RESPONSE TIME

DVR

DVR FEATURES

4CH VIDEO RECORDING
MJPEG COMPRESSION & SIMPLEX MODE
BACK UP - USB(MEMORY STICK)
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1504EA	
DVR	Operating System	RTOS	
	Video Compression	MJPEG	
	Operating Mode	Simplex	
	Video Input Format	NTSC / PAL	
	Video Input	4CH	
	Audio Input	4CH	
	Audio Output	1CH	
	Sensor Input	4CH	
	Alarm Output	1 Port	
	Record Quality	Low / Normal / High	
	Screen Division	1 / 4	
	Display Speed	NTSC	120 fps
		PAL	100 fps
	Recording Speed	NTSC	Full : 120 fps / Quad : 30 fps
		PAL	Full : 100 fps / Quad : 25 fps
	Recording Resolution	NTSC	Full : 640x224 / Quad : 320x112
PAL		Full : 640x272 / Quad : 320x136	
Recording Mode	Motion Detection, Sensor, Schedule		
Network	STATIC, DHCP, DDNS		
Network Control	Remote Viewing, Playback, Control, Backup		
Camera Control	-		
Backup	USB(Memory Stick)		
Power	DC 12V/5A		
LCD	Resolution	1024x768xRGB(75Hz)	
	Luminance	250 cd/m ²	
	Size	380(W)x65(D)x370(H) - Including Stand	



LCD MONITOR

4

CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL



COMPRESSION



REMOTE OBSERVATION

10.4" LAPTOP DVR

SJ-1004HD12

SPEC

LCD

LCD FEATURES

COMPACT & SLIM DESIGN 10.4" LCD
HIGH BRIGHTNESS & CONTRAST 250CD/M²
RESOLUTION (800X600)
FAST RESPONSE TIME

DVR

DVR FEATURES

4CH VIDEO RECORDING
TRUE H.264 COMPRESSION & TRIPLEX MODE
BACK UP - USB(MEMORY STICK)
NETWORK SUPPORT
WEB BROWSER SEARCH FUNCTION



Specification

Model name		1004HD12	
DVR	Operating System	Embedded Linux	
	Video Compression	H.264	
	Operating Mode	Triplex	
	Video Input Format	NTSC / PAL	
	Video Input	4CH	
	Audio Input	1CH	
	Audio Output	1CH	
	Sensor Input	4CH	
	Alarm Output	2Port	
	Record Quality	Low / Standard / High / Very High	
	Screen Division	1 / 4	
	Display Speed	NTSC	120 ips
		PAL	100 ips
	Recording Speed	NTSC	Simplex Mode : 352 x 240 : 120 ips Duplex Mode : 352 x 240 : 60 ips
		PAL	352 x 288 : 100 ips 352 x 288 : 50 ips
	Recording Resolution	NTSC	704 X 480
		PAL	704 X 576
Recording Mode	Motion Detection, Sensor, Schedule		
Network	STATIC, DHCP, DDNS		
Network Control	Remote Viewing, Playback, Control, Backup		
Camera Control	Pan / Tilt, Zoom, Focus		
Backup	USB (Memory Stick)		
Power	DC12V / 5A		
LCD	Resolution	800x600xRGB(75Hz)	
	Luminance	250 cd/m ²	
	Size	250(W)x210(D)x79(H)	



LCD MONITOR

4

CHANNEL



USB



HDD



MOUSE



AUDIO REC



REMOTE CONTROL

TRUE H.264

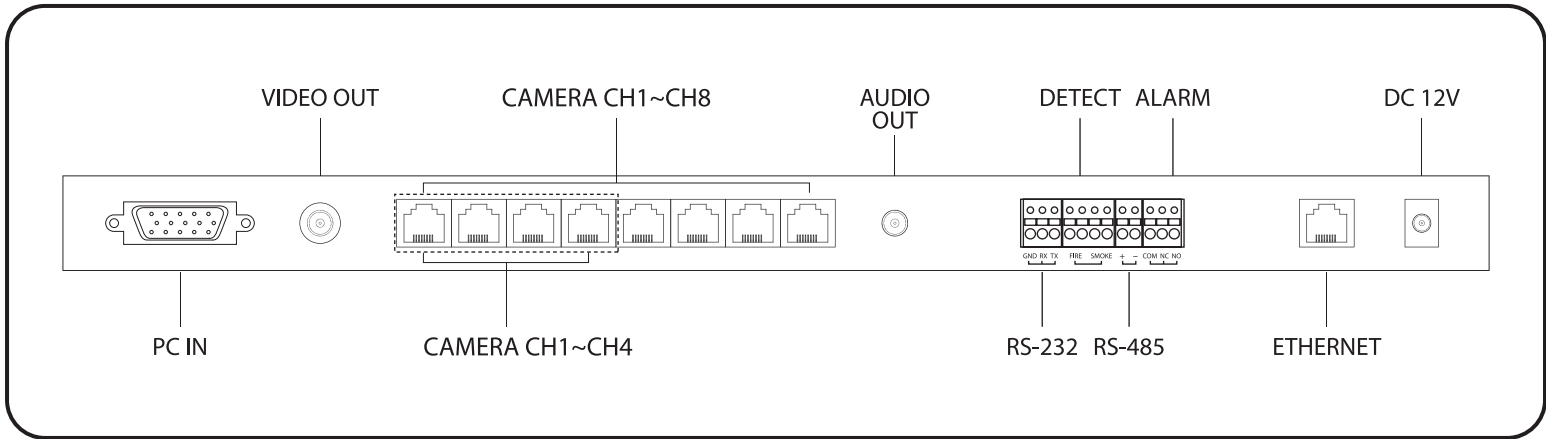
COMPRESSION



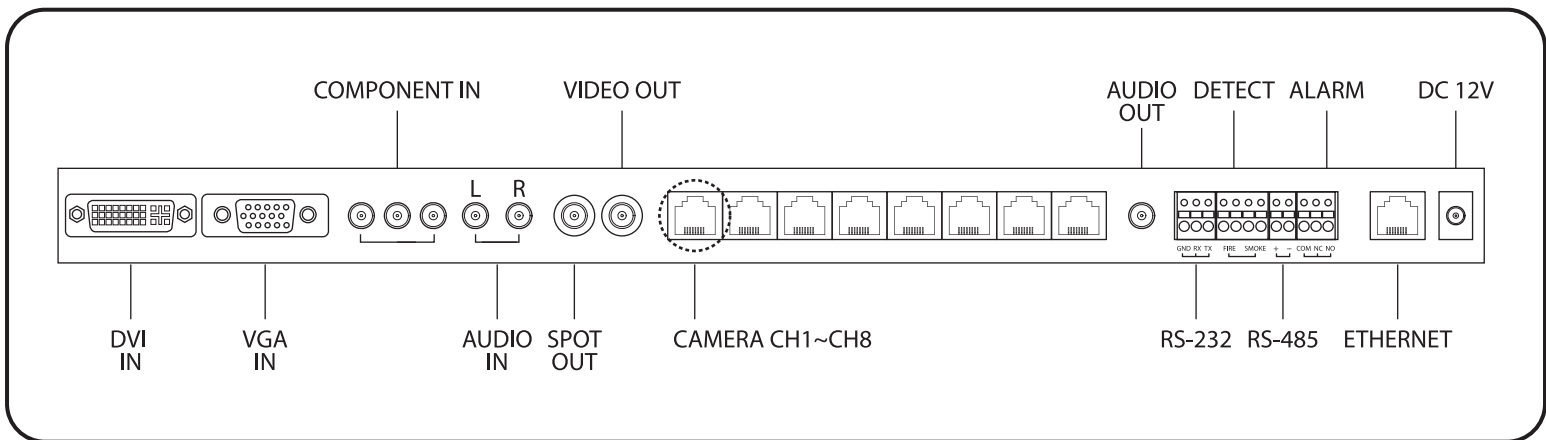
REMOTE OBSERVATION

IN PUT / OUT PUT PORT COMPOSITION DIAGRAM

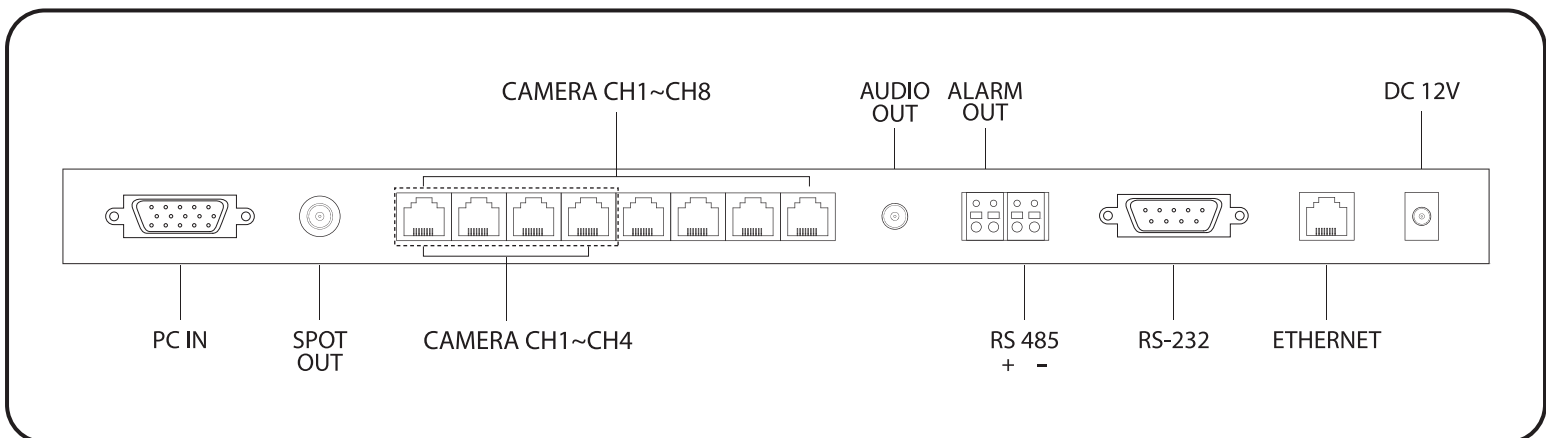
SJ-1904HST12 / 1908HST24



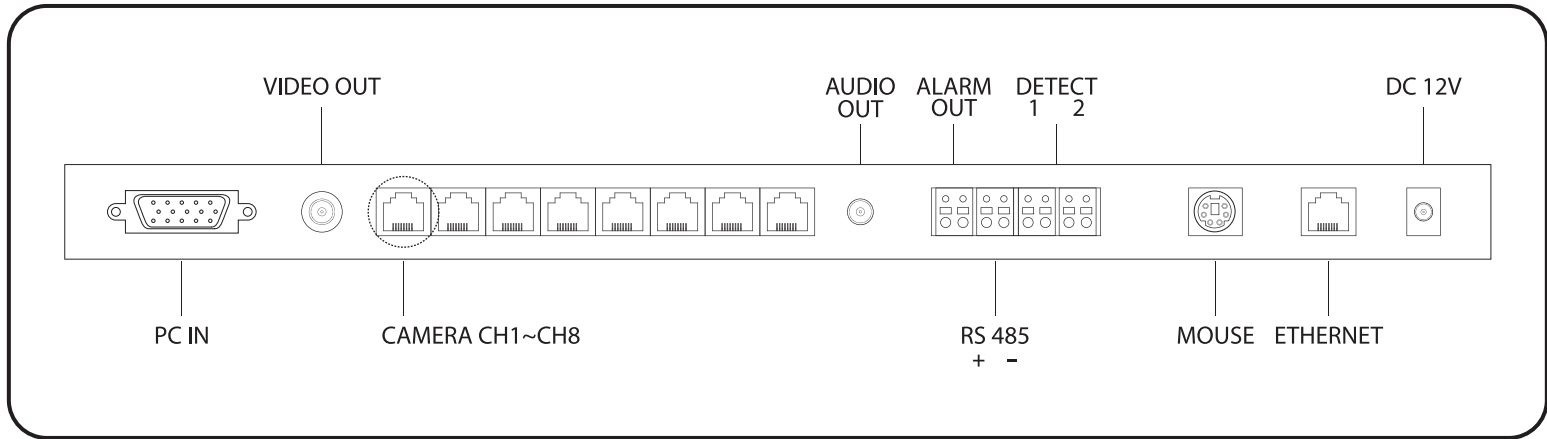
SJ-2308HST24



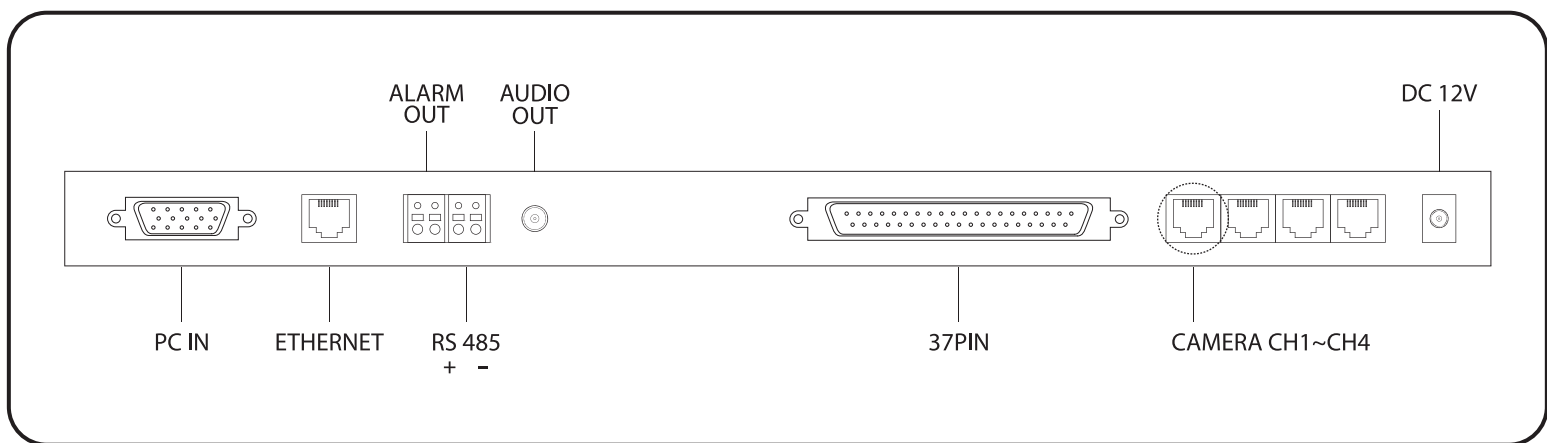
SJ-1904PL12 / 1908PL24



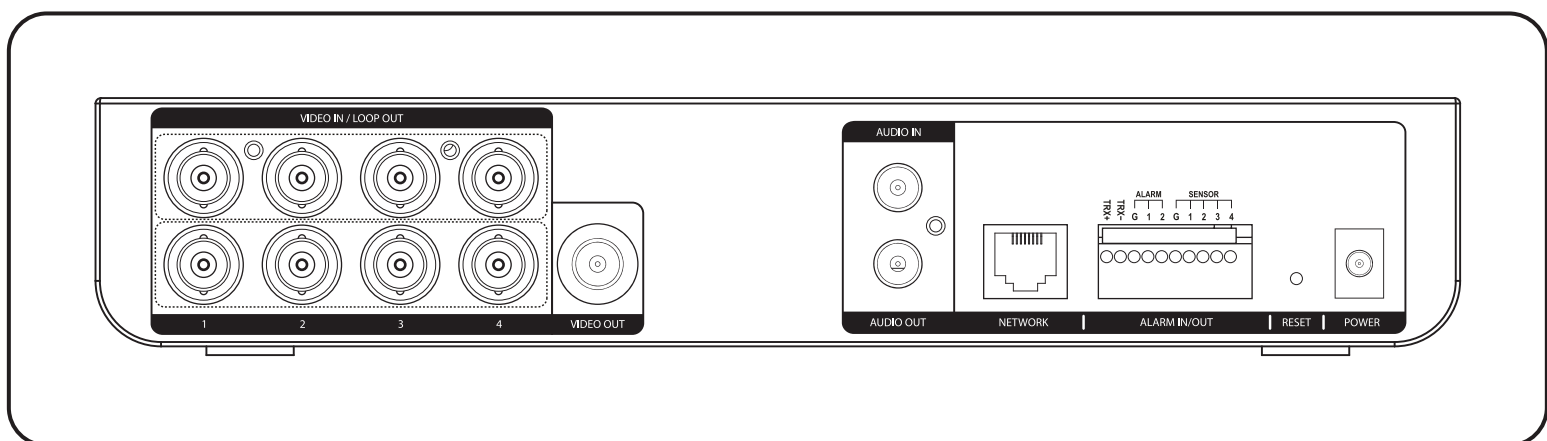
SJ-1908ES06



SJ-1504EA



SJ-1004HD12





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