






<Specification>										
Model	SJ-2304NVR	SJ-2308NVR	SJ-2316NVR	SJ-2304HH	SJ-2308HH	SJ-1001HH	SJ-1001HD12	SJ-1904HT	SJ-1908HT	
	23" 1080P NVR			23" HD SDI Hybrid DVR		10.1" Laptop HD SDI Hybrid	10.1" Laptop SD	19" SD DVR		
Image										
Operating System	Embedded LINUX			Embedded LINUX		Embedded LINUX		Embedded LINUX		
Internal Storage	2 x SATA HDD(Max 4TB/ea)			2 x SATA HDD(Max 4TB/ea)		2 x SATA HDD(Max 4TB/ea)		1 x SATA HDD(Max 2TB/ea)		
External Storage	1 x eSATA(Local storage extension)									
IP Camera	Channel	4 Ch	8 Ch	16 Ch						
	Protocol	Samejon, ONVif								
	No. of PoE	4 Ch	8 Ch	8 Ch						
	PoE Type	100Mbps, 802.3af								
Display Speed	Speed	120 fps	240 fps	480 fps	120 fps	240 fps	120 fps	120 fps	240 fps	
	Screen	1, 4	1, 4, 6, 8	1, 4, 6, 9, 16	1, 4	1, 4, 6, 8	1, 4	1, 4	1, 4, 8	
Video Input	Mode	IP Camera Input (Up to 2.1Mega Pixel, 1080P)			4 Ch (1080p25, 30, 50, 60/ 720p25, 30, 50, 60/ 960H, Composite / Mixed)	8 Ch (1080p25, 30, 50, 60/ 720p25, 30, 50, 60/ 960H, Composite / Mixed)	4 Ch (1080p25, 30, 50, 60/ 720p25, 30, 50, 60/ 960H, Composite / Mixed)	4 Ch Composite	4 Ch Composite	8 Ch Composite
	Spot-out	N/A			1 BNC(Programmable)	1 BNC(Programmable)	1 BNC(Programmable)	1 BNC	N/A	N/A
Video Output	Monitor	1 HDMI			1 HDMI		1 HDMI	1 BNC	N/A	N/A
	Resolution	1920x1080, 1280x720			1920x1080, 1280x1024, 1280x720	1920x1080, 1280x1024, 1280x720	1920x1080, 1280x1024, 1280x720			
Audio	Input	4 CH (From IP Camera)	8 CH (From IP Camera)	16 CH (From IP Camera)	4 RCA		1 RCA	4 RCA	8 RCA	
	Output	1 CH			1 RCA		1 RCA	1 Stereo Jack		
Recording Speed	CF	120fps (30fps/Ch)	240fps (30fps/Ch)	480fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)	120 fps (30fps/Ch)	120 fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)
	Half D1							120 fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)
	D1	120fps (30fps/Ch)	240fps (30fps/Ch)	480fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)	120 fps (30fps/Ch)	120 fps (30fps/Ch)	120 fps (30fps/Ch)	120 fps (30fps/Ch)
	720P	120fps (30fps/Ch)	240fps (30fps/Ch)	480fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)	120 fps (30fps/Ch)			
	1080P	120fps (30fps/Ch)	240fps (30fps/Ch)	240fps (30fps/Ch)	120 fps (30fps/Ch)	240 fps (30fps/Ch)	120 fps (30fps/Ch)			
Mode	Manual, Continuous, Alarm, Motion, Schedule			Continuous, Alarm, Motion, Schedule		Continuous, Alarm, Motion, Schedule		Continuous, Alarm, Motion, Schedule		
Digital I/O	4 / 1			4 / 1(Optional)		4 / 1		8 / 1		
PTZ	RS485, ONVIF Compatibility (Pan/Tilt/Zoom/Preset)			RS485		RS485		RS485		
Network	Protocol	IPv4, ARP, TCP, UDP, ICMP, DHCP, DNS, DDNS, SMTP, HTTP, UPnP, RTP, RTCP, RTSP, ONVIF			TCP/IP, HTTP, DHCP		TCP/IP, HTTP, DHCP		TCP/IP, HTTP, DHCP	
	Transmission	Unicast Transmission								
LAN	1 x Gigabit Ethernet (RJ45) - Static IP, DHCP, DDNS			Gigabit Ethernet		RJ-45 port(10/100M)				
Remote Management	Software	CMS, RMS, MMS(Mobile Viewer)			CMS, RMS, MMS(Mobile Viewer)		CMS, RMS, MMS(Mobile Viewer)		CMS, RMS, MMS(Mobile Viewer)	
	Web browser	Internet Explorer			Internet Explorer		Internet Explorer		Internet Explorer	
	OS	MS-Windows			Windows 2000 / XP / Vista / 7 / 8 (PC Client system& IE) / MAC		MS-Windows		MS-Windows	
	Operation	Real-time monitoring, Playback, System configuration			Real-time monitoring, Playback, System configuration		Real-time monitoring, Playback, System configuration		Real-time monitoring, Playback, System configuration	
Back Up Interface	USB / Network			USB / Network		USB / Network		USB / Network		
Status Display	3 x LEDs(Power, Rec, Network)			3 x LEDs(Power, Rec, Network)		4 x LEDs		3 x LEDs(Power, Rec, Network)		
System Operation	Mouse, Remote controller			Mouse, Remote controller		Mouse, Remote controller, Touch Button		Mouse, Remote controller		
Power	48V/2.5A D/C Adaptor	48V/4.2A D/C Adaptor		12V/5A Adaptor		12V/5A Adaptor		12V/7A adaptor		
Operation Temperature	5°C ~ 40°C			0°C ~ 40°C		0°C ~ 40°C		0°C ~ 40°C		
Operation Humidity	20%RH ~ 80%RH			0%RH ~ 80%RH		0%RH ~ 80%RH		0%RH ~ 80%RH		
Dimension (WxDxH mm)	560 x 225 x 340mm			560 x 225 x 340mm		265 x 180 x 80mm		420 x 225 x 440mm		
Certification	CE, FCC, KC, RoHS			CE, FCC, KC, RoHS		CE, FCC, KC, RoHS		CE, FCC, KC, RoHS		
Weight	13.5Kg			13.5Kg		3.5Kg		11.5Kg		
<Monitor specification>										
Source	LED Back light					LED Back light		LED Back light		
Active screen size	23 inches(58.42cm) diagonal(Aspect ratio 16:9)					10.1 inches diagonal(Aspect ratio 16:9)		19 inches(48cm) diagonal(Aspect ratio 4:3)		
Active display area	509.18mm x 286.41mm					222.72mm x 125.28mm		376mm x 301mm		

Pixel Format	1920 x 1080	1024 x 600	1280 x 1024
Color depth	16.7M colors	16.2M colors	16.7M colors
Luminance, white	250cd/m2(Center 1point, typ)	250cd/m2(Center 1point, typ)	250cd/m2(Center 1point, typ)
Response rate	5ms	25(Typ.)(Tr+Td)	5ms
Contrast Ratio	1000	500	1000
Pixel Pitch	0.265mm x 0.265mm	0.2175mm x 0.2088mm	0.294mm x 0.294mm
Horizontal Frequency	30~83KHz	30~83KHz	30~83KHz
Vertical Frequency	50~76Hz	56~75Hz	56~75Hz
Display Signal	Analog VGA(RGB)	Analog VGA(RGB)	Analog VGA(RGB)