

Model		SANKO SHV-1613U	
Camera Input		16 CH	
			
Video	HDMI	1 (Video Output [1024x768, 1280x1024, 1366x768, 1440x900] + Audio Output)	
	Input	16 looping BNC	
	Output	1VGA (1024x768, 1280x1024, 1366x768, 1440x900) + 1BNC (720x480 / 720x576) for SPOT Monitor	
Audio	Input	16 RCA	
	Output	2 RCA	
System	Operating System	Embedded Linux OS	
	Internal HDD	Supports Max. x 4 SATA Devices (HDDx4, HDDx3+DVDx1, HDDx3+eSATAx1, HDDx2+DVDx1+eSATAx1)	
	External HDD	1 x eSATA	
	Sensor In (NO, NC)	Sensor-in x16	
	Relay Out	Relay-out x4	
	Serial Interface	RS-485 (Inx1, Outx1)	
	USB	2 x USB2.0	
	Dimension (mm)	442(w)x92(h)x438(d)	
	Weight (w/o HDD/DVD±RW)	5KG	
	Power	110V/220V	
Display	Power Source	220W	
	Speed	480 fps	
	Resolution (Pixel)	720 X 480(NTSC), 720 X 576(PAL)	
	Split Screen	1,4,9, 13, 16, SEQ.	
	Auto Channel Switching	Switching time : 1 ~ 99 sec	
	Mode	Zoom (Digital x2~ x8), PIP, Auto SEQ.	
Recording	Compression	H.264 ASP (Internet Transmission: H.264), Duplex operation (simultaneous live and recording)	
	Dual Stream Resolution (Pixel)	Main (Recording)	704 X 480, 704 X 240, 352 X 240 (NTSC) / 704 X 576, 704 X 288, 352 X 288 (PAL)
		Sub (Network)	176 x 240 (NTSC) / 176 x 288 (PAL)
	Picture Quality	10~100 levels for adjustment	
	Mode	24 hours Continuous, Event and Schedule, HDD overwrite data FIFO	
	Speed	NTSC	D1 480 fps(704 x 480) HD1 480 fps(704 x 240) CIF 480 fps(352 x 240)
		PAL	D1 400 fps(704 x 576) HD1 400 fps(704 x 288) CIF 400 fps(352 x 288)
	Pre-Alarm	1 ~ 10 SEC	
	Post-Alarm	1 ~ 100 SEC	
	Alarm Mode Recording	Switchable to normal Recording upon alarm activation	
	Watermark	YES	
Playback	Display	1, 4, 8, 16	
	Search Mode	Time, Log	
	Zoom	Digital (x2 ~ x8)	
	Snapshot	YES	
	Control	Play, Pause, Stop, Slow(1/2, 1/4, 1/8), FF(4, 8, 16, 32), REW(4, 8, 16, 32), Frame Step, Seek Bar, Focus	
	Device	Int. HDD	
Network	Network Interface	10/100 Ethernet	
	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP	
	Application	Windows XP/VISTA/7, Mac OS X (PC Client system)	
	Remote Software	Licensed Application Software, IE Browser	
	Account	1 Admin + 8 Users	
	CMS	CMS for Windows XP, Windows Vista, Windows 7	
	3G / GPRS	iPhone, iPad, Android, Windows Phone 7	
	Event Transport	E-mail	
Backup	Interface	USB 2.0 or SATA	
	Audio Backup	YES	
	Network	YES	
	Backup Device (Optional)	Remote Software, USB Flash Drive, USB DVD±RW, SATA DVD±RW	
Alarm	Motion Detection	Detected Frames: Unlimited / Channel	
		Sensitivity : 100 levels for each channel	
		Area : Programmable individually	
	Search (Event Criterion)	YES	
OSD & DVR Control	Event Log	Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full)	
	GUI	16-bit True Color	
	Camera Title	Multi-Language	
	USB Mouse	YES	
	Touch Panel	Touch Panel LCD Monitor (USB Interface, FFTI Chinset Only)	
	Remote Controller	IR Remote Control (Max. 4 Device)	
	System Upgrade	USB Flash Drive, Remote Software	
	Hard Key	Front Panel	
Operation Parameters	Pan/Tilt/Zoom Control	Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)	
	Operating Temperature	-10 ~ 50deg C	
	Operating Voltage /Consumption	110VAC or 220VAC / 220 Watts	
	Power Failure Watchdog	Watchdog Auto recovery upon power resume	
	Certification	FCC, CE Certification	