

# SRD-1650/1650D

16CH H.264 Digital Video Recorder

DVR



## Features

- 16ch real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 (NTSC) / 400 (PAL)ips recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1650 : Max 6 internal HDD (HDD x 6)  
SRD-1650D : Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD-RW (SRD-1650D)
- Event notifications by E-mail

## Technical Specifications

	SRD-1650	SRD-1650D	
<b>DISPLAY</b>			
Video	Inputs	16 Composite video 0.5-1 Vpp, 75 ohm automatic termination	
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Frame Rate	NTSC : 480ips / PAL : 400ips	
Live	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16 / PIP	
<b>PERFORMANCE</b>			
Operating System	Embedded	Linux	
	Compression	H.264	
Recording	Record Rate	NTSC : Up to 120ips@704 x 480 / PAL : Up to 100ips@704 x 576 NTSC : Up to 240ips@704 x 240 / PAL : Up to 200ips@704 x 288 NTSC : Up to 480ips@352 x 240 / PAL : Up to 400ips@352 x 288	
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15ips) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5ips)	
	Overwrite Modes	Continuous	
Search & Playback	Pre-alarm	Up to 30sec. (5, 10, 20, 30sec.)	
	Post-alarm	Up to 6hour. (5, 10, 20, 30 sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)	
	Search Mode	Date/Time, Event, Back up, Pos, Motion (*All searching mode include preview function)	
Network	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward	
	Transmission Speed	Up to 15Mbps, Unlimited 4M / 2 / 1.5 / 1 Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps	
	Bandwidth Control	Automatic	
Storage	Multi Stream	H.264 (4CIF / 2CIF / CIF)	
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20	
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP	
	Monitoring	Net-i viewer, Smart viewer, Web viewer	
Security	Internal HDD	Up to 6 SATA HDDs	Up to 5 SATA HDDs
	External HDD	Up to 2 expansion bay (up to 4 HDD each)	
	DVD Writer (Back up)	N/A	Yes
Interface	USB (Back up)	3 USB ports	
	File Format (Back up)	AVI, MDB (DVR play back), EXE (Include player)	
General	Password Protection	1 Admin, 10 Group, 20 User per 1 Group, User can be assigned authority for function	
	Data Authentication	Watermark	
Monitors	VGA	Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution	
	HDMI	480p / 720p / 1080p resolution	
	Main Composite	BNC, 1 Vp-p, 75 ohm	
	Spot Composite	1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title	
	Loop Outputs	16	
Audio	Inputs	16 Line in (Built in 4ch, Option : audio extension cable)	
	Output	1 Line	
	Compression	ADPCM	
Alarm	Sampling Rate	16KHz	
	Inputs	Terminal 16 inputs, NO/NC	
	Outputs	Terminal 4 relay outputs, NO/NC	
	Remote Notification	Notification via e-mail	
Connections	Ethernet	1 RJ-45 10/100 Base-T	
	Serial Interface	RS-232	
	PTZ Control Interface	RS-485	
	PTZ Keyboard	RS-485	
Communication Protocols	USB	USB 2.0, 3 ports	
	eSATA	2 External SATA ports	
	Application Support	Mouse, Remote controller	
GENERAL	Supported	Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Philips, AD	
	PTZ Cameras	DIAMOND, ERNA, KALATEL, VCLTP, VICON	
Electrical	Input Voltage	100 ~ 240V AC ±10%, 50/60Hz, Auto ranging	
	Power Consumption	Max. 55W (With 1xHDD) / Max. 65W (With 4xHDD)	
	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)	
Environmental	Operating Humidity	20% ~ 85%RH	
	Dimensions (WxHxD)	440 x 88 x 430mm (17.32" x 3.46" x 16.93")	
Mechanical	Weight (2x Hard Disks)	Approx. 7.5Kg (16.53 lb)	
	Rack Mount Kit	2ea	
Language	English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands		

## Dimensions

Unit : mm (inch)

