

# SRD-1610/1610D

16CH H.264 Digital Video Recorder

DVR



16CH

H.264

120ips(N)  
100ips(P)

Max.6TB HDD

CMS

## Features

- 16ch DVR
- Video (H.264) / Audio (ADPCM)
- Up to 120 (NTSC) / 100 (PAL)ips recording rate
- Up to 4ch audio inputs and 1ch audio output
- Combined BNC and VGA video output for main display (up to 1280 x 1024)
- SRD-1610 : MAX 6 internal HDD (HDD x 6)  
SRD-1610D : MAX 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD R/W (SRD-1610D)
- Event notifications by E-mail

## Technical Specifications

		SRD-1610	SRD-1610D
<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 30ips@704 x 480 / PAL : Up to 25ips@704 x 576 NTSC : Up to 60ips@704 x 240 / PAL : Up to 50ips@704 x 288 NTSC : Up to 120ips@352 x 240 / PAL : Up to 100ips@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, 30sec, 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 4 Mbps, Unlimited 4M / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50 kbps	
Storage	Bandwidth Control	Automatic	
	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	
Security	Monitoring	Net-1 viewer, Smart viewer, Web viewer	
	Internal HDD	Up to 6 SATA HDDs	Up to 5 SATA HDDs
	External HDD	N/A	
Storage	DVD Writer (Back up)	N/A	Yes
	USB (Back up)	3 USB ports	
Security	File Format (Back up)	AVI, MDB (DVR Play back), EXE (Include Player)	
	Password Protection	1 Admin, 10 Group, 20 User per 1 Group, User can be assigned authority for function	
Data Authentication	Data Authentication	Watermark	
	<b>INTERFACE</b>		
Monitors	VGA	Analog RGB 800 x 600, 1024 x 768, 1280 x 1024 resolution	
	HDMI	N/A	
	Main Composite	BNC, 1 Vp-p, 75 ohm	
	Spot Composite	1 BNC, 1 Vp-p, 75 ohm, Support multi screen and camera title	
Audio	Loop Outputs	16	
	Inputs	4 Line in	
	Output	1 Line	
Alarm	Compression	ADPCM	
	Sampling Rate	16KHz	
	Inputs	Terminal 16 inputs, NO/NC	
Connections	Outputs	Terminal 4 relay outputs, NO/NC	
	Remote Notification	Notification via e-mail	
	Ethernet	1 RJ-45 10/100/1000 Base-T	
Communication Protocols	Serial Interface	RS-232	
	PTZ Control Interface	RS-485	
	PTZ Keyboard	RS-485	
GENERAL	USB	USB 2.0, 3 ports	
	eSATA	N/A	
Electrical	Application Support	Mouse, Remote controller	
	Supported	Samsung-E, Samsung-T, Pelco-D, Pelco-P, Panasonic, Philips, AD	
Environmental	PTZ Cameras	DIAMOND, ERNA, KALATEL, VCLTP, VICON	
	Input Voltage	100 ~ 240V AC ±10%, 50/60Hz, Auto ranging	
Mechanical	Power Consumption	Max. 35W (With 1x HDD) / Max. 45W (With 2x HDD)	
	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)	
Language	Operating Humidity	20% ~ 85%RH	
	Dimensions (WxHxD)	440 x 88 x 430mm (17.32" x 3.46" x 16.93")	
Language	Weight (2x Hard Disks)	Approx. 7.3Kg (16.09 lb)	
	Rack Mount Kit	2ea	
Language	Supported Languages	English, Korean, Spanish, French, German, Italian, Portuguese, Polish, Russian, Turkish, Japanese, Czech, Swedish, Danish, Chinese, Netherlands	

## Dimensions

Unit : mm (inch)

