



SAMSUNG

# High Definition & Easy Graphical User Interface

16Ch/8Ch H.264 Real-time DVR



## 16CH/8CH H.264 Digital Video Recorder SRD-1650DC/850DC



- 16/8chch real-time DVR :
- Video (H.264) / Embedded Linux
- Up to 480 (NTSC) / 400 (PAL)ips @ CIF : SRD-1650DC  
240 (NTSC) / 200 (PAL)ips @ CIF : SRD-850DC
- Up to 16ch audio inputs and 1ch audio outputs : SRD-1650DC  
8ch audio inputs and 1ch audio outputs : SRD-850DC
- Combined BNC and VGA/HDMI video output for main display
- Up to 5 internal HDDs
- Free DDNS Service
- Built-in web viewer, DVD-RW
- PTZ control via Coaxial cable
- Splits and exports small parts of a recorded video – Brightness and Contrast control via SmartViewer (SRD-1650DC)

# 16CH/8CH H.264 Digital Video Recorder

## SRD-1650DC/850DC



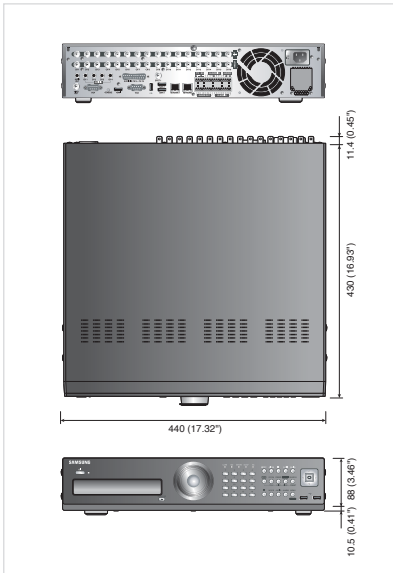
SRD-1650DC



SRD-850DC

### Dimensions

Unit : mm (inch)



### Specifications

		SRD-1650DC	SRD-850DC
<b>DISPLAY</b>			
Video	Inputs	16 Composite video 0.5-1 Vp-p, 75 ohm automatic termination	8 Composite video 0.5-1 Vp-p, 75 ohm automatic termination
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	Frame Rate	NTSC : 480fps / PAL : 400fps	NTSC : 240fps / PAL : 200fps
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 120fps@704 x 480 NTSC : Up to 240fps@704 x 240 NTSC : Up to 480fps@352 x 240	NTSC : Up to 60fps@704 x 480 NTSC : Up to 120fps@704 x 240 NTSC : Up to 240fps@352 x 240
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.9 / 1.9 / 3.8 / 7.5 / 15 / 30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (0.8 / 1.6 / 3.1 / 6.2 / 12.5 / 25fps)	
	Overwrite Modes	Continuous	
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)	
Editing Function-Software	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 search include preview function)	
	Playback Function	Fast forward / backward, Slow forward / backward, Step forward / backward	
Search & Playback	Transmission Speed	CIF 480/400fps	CIF 240/200fps
	Bandwidth	Up to 8Mbps, 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps	
	Bandwidth Control	Selectable	
	Stream	H.264 (4CIF / 2CIF / CIF selectable)	
Network	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, SmartViewer, Webviewer	
	Smart Phone	Android, i-Phone	
Smart Phone	Protocol Support	RTSP/RTP, CGI, HTTP	
	Transmission Speed	Wi-Fi : CIF Max. 4fps (Single channel) / CIF Max. 4fps (Quad channel) 3G : CIF Max. 4fps (Single channel) / CIF Max. 4fps (Quad channel)	
	Max. Remote Users	Live 1	
Storage	Internal HDD	Up to 5 SATA HDDs	
	External HDD	Up to 2 expansion bay (Up to 4 HDD each)	
	DVD Writer (Back up)	Yes	
	USB (Back up)	3 USB ports	
Security	File Format (Back up)	AVI, BU (DVR player), EXE (Include player)	
	Password Protection	1 Admin, 10 Group, 20 User per 1 group, User can be assigned authority for function	
	Data Authentication	Watermark	
<b>INTERFACE</b>			
Monitors	VGA	1 VGA (800 x 600, 1024 x 768, 1280 x 1024)	
	HDMI	480p / 720p / 1080p resolution	
	Main Composite	1 BNC, 1 Vp-p, 75 ohm	
	Spot Composite	Digital spot (1 BNC, 1 Vp-p, 75 ohm), support multi screen and camera title	
Audio	Loop Outputs	16	8
	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 8CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out	1CH line out
	Compression	ADPCM	
Alarm	Sampling Rate	16KHz	
	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 125V AC / 0.5A	Terminal 8 inputs (NO/NC) / Terminal 4 relay outputs (NO NC), Rating : 30V DC / 2A, 125V AC / 0.5A
	Remote Notification	Notification via e-mail	
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T	
	Serial Interface	RS-232/RS-485 for PTZ, Samsung system keyboard	
	USB	USB 2.0, 3 ports	
	eSATA	2 External SATA ports	
Protocol Support	Application Support	Mouse, Remote controller	
	Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, Vicon PTZ control via coaxial cable [Samsung CCVC, Pelco-C (Coaxitron)]	
<b>GENERAL</b>			
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Autoranging	
	Power Consumption	Max. 60W (With 1x HDD)	
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85% RH	
	Dimensions (WxHxD)	440.0 x 88.0 x 426.8mm (17.32" x 3.46" x 16.80")	
Mechanical	Weight (With hard disks)	Approx. 7.5Kg (16.53 lb)	
	Rack Mount Kit	2ea	
Language	Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thailandais, Rumanian, Serbian, Croatian, Hungarian, Greek (22 Language)		



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