SAMSUNG

Compact & Highly Efficient
16CH/8CH H.264 Digital Video Recorder

SAMSUNG

DIGITAL VIDEO RECORDER SRD-1640

16CH/8CH CIF Real-time H.264 Digital Video Recorder

SRD-1640/840

The SRD-1640 16CH and SRD-840 8CH are standalone DVRs that feature high recording quality CIF video in real time across all channels. Each channel can be configured to record quality and privacy masking separately. In addition, they provide versatile options for web access and remote monitoring using a PC or smartphone, making anytime, anywhere monitoring possible.

- 16CH/8CH CIF real-time DVR
- CIF resolution real-time recording capability
  (4CIF recording available)
- Compact product footprint
- Up to 480 (NTSC) / 400 (PAL)fps recording rate : SRD-1640
        240 (NTSC) / 200 (PAL)fps recording rate : SRD-840
- 4CH audio inputs and 1CH audio output
- SATA I/F HDD support (Internal Max. HDD x 1)
- Smart phone support
- Splits and exports small parts of a recorded video – Brightness and Contrast control via SmartViewer (SRD-1640)

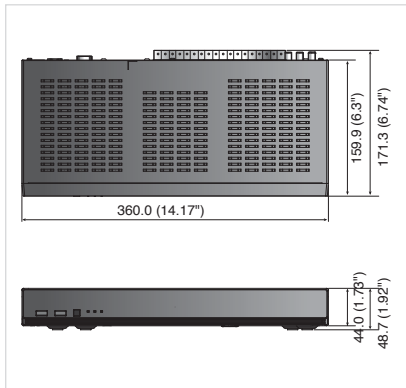# 16CH/8CH CIF Real-time H.264 Digital Video Recorder
SRD-1640/840

16CH | **8CH** | **H.264** | **CMS**

Specifications

		SRD-1640	SRD-840
DISPLAY			
Video	Inputs	16 composite video 0.5–1 Vpp, 75 ohm	8 composite video 0.5–1 Vpp, 75 ohm
	Resolution	704 x 480 NTSC, 704 x 576 PAL	
Live	Frame Rate	480fps NTSC, 400fps PAL	240fps NTSC, 200fps PAL
	Resolution	704 x 480 NTSC, 704 x 576 PAL	
	Multi Screen Display	1 / 4 / 6 / 8 / 9 / 16 / SEQUENCE / PIP	1 / 4 / 6 / 8 / SEQUENCE / PIP
PERFORMANCE			
Operating System	Embedded	Linux	
	Compression	H.264	
Recording	Record Rate (NTSC)	Up to 120fps @ 704 x 480 Up to 240fps @ 704 x 240 Up to 480fps @ 352 x 240	Up to 60fps @ 704 x 480 Up to 120fps @ 704 x 240 Up to 240fps @ 352 x 240U
	Record Rate (PAL)	Up to 100fps @ 704 x 576 Up to 200fps @ 704 x 288 Up to 400fps @ 352 x 288	Up to 50fps @ 704 x 576 Up to 100fps @ 704 x 288 Up to 200fps @ 352 x 288
	Mode	NTSC : Manual, Schedule (Continuous/Event), Event (Pre/Post) PAL : Manual, Schedule (Continuous/Event), Event (Pre/Post)	
	Overwrite Modes	Continuous	
	Pre-alarm	Up to 5sec (1, 2, 3, 4, 5sec)	
	Post-alarm	Up to 6 hour (5,10, 20, 30sec,1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)	
	Editing Function- Software	Contrast, brightness and color editing on live and recorded videos (SRD-1640)	
Search & Playback	Search Mode	Date/time, Event, Back up, Motion, POS	
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only	
Network (IPv4)	Transmission Speed	CIF 120/100fps	
	Bandwidth	Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps	
	Bandwidth Control	Automatic	
	Stream	H.264 (CIF)	
	Max. Remote Users	4 Persons (Search up to (2), Live Unicast/Live Multicast available)	
	Protocol Support	TCP/IP,DHCP,PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP	
	Monitoring	Webviewer, CMS (Smart viewer, NET-i)	
Smart Phone	Platform	Android, iOS	
	Protocol support	RTP,RTSP, HTTP, CGI	
	Remote users Maximum	Live(1)	
Storage	Internal HDD	Up to 1 SATA HDDs	
	USB (Back-up)	2 USB Ports	
	File Format (Back-up)	BU (DVR Player), EXE (Include Player)	
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 Group	
	Data Authentication	Watermark	
INTERFACE			
Monitors	VGA	1 VGA (1024 x 768) *Main Composite Selectable	
	HDMI	Not Support	
	Main/Spot Composite	1 BNC (1 Vp-p, 75 ohm)/Analog Spot (1 BNC, 1 Vp-p, 75 ohm) Selectable	
	Spot Composite	Analog Spot (1 BNC, 1 Vp-p, 75 ohm)	
	Loop Outputs	Not Support	
Audio	Inputs / Output	4 line in / 1 line out	
	Compression	G.711	
	Sampling Rate	8KHz	
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 24VDC/1A, 125V AC/0.5A	Terminal 8 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 24VDC/1A, 125V AC/0.5A
	Remote Notification	Notification via e-mail	
Connections	Ethernet	1 RJ45 10/100 Base-T	
	Serial Interface	RS-485(Half) for PTZ, System Keyboard *Support for POS Interface (VSI-Pro)	
	USB	USB 2.0, 2 ports (Front)	
	Application Support	Mouse, Remote Controller	
	Protocol Support	Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON/ ELMO	
GENERAL			
Electrical	Input Voltage / Current	DC12V Adaptor,4A,100~250VAC, 50~60Hz, 36watt	
	Power Consumption	Normal 15W (with 1x HDD)	
Environmental	Operating Temperature / Humidity	+0°C ~ +40°C (+32°F ~ +104°F) / 20%RH ~ 85%RH	
Mechanical	Dimensions (WxHxD)	360 x 44 x 159.9 mm (14.17" x 1.73" x 6.30")	
	Weight (With hard disks)	1.72kg (3.79lb)	1.68kg (3.70lb)
	RACK MOUNT KIT	Not Support	
Language		Korean, Japanese, Chinese, English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Thai, Rumanian, Serbian, Croatian, Hungarian, Greek (22 Language)	

Dimensions

Unit : mm (inch)

159.9 (6.3")
171.3 (6.74")
360.0 (14.17")
44.0 (1.73")
48.7 (1.92")

Design and specifications are subject to change without notice.

The **Eco** mark represents Samsung Techwin's will to create environment-friendly products,and indicates that the product satisfies the EU RoHS Directive.

eco RoHS compliant

I.E-1203