

Compact & Highly Efficient

16CH/8CH H.264 Digital Video Recorder



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

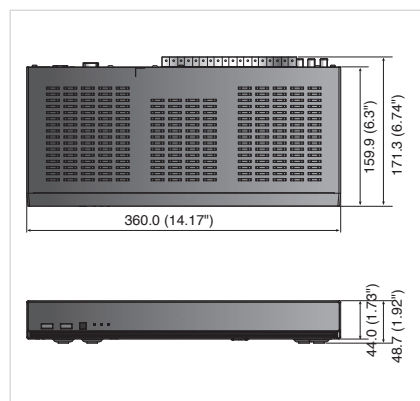


Specifications

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		
	Frame Rate	480fps NTSC, 400fps PAL		240fps NTSC, 200fps PAL
Live	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 60fps @ 704 x 480
		Up to 240fps @ 704 x 240		Up to 120fps @ 704 x 240
		Up to 480fps @ 352 x 240		Up to 240fps @ 352 x 240U
	Record Rate (PAL)	Up to 100fps @ 704 x 576		Up to 50fps @ 704 x 576
		Up to 200fps @ 704 x 288		Up to 100fps @ 704 x 288
		Up to 400fps @ 352 x 288		Up to 200fps @ 352 x 288
Search & Playback	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 Mode	Date/time, Event, Back up, Motion, POS		
Search & Playback	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		
Smart Phone	Monitoring	Webviewer, CMS (Smart viewer, NET-i)		
	Platform	Android, iOS		
	Protocol support	RTP,RTSP, HTTP, CGI		
	Remote users Maximum	Live(1)		
	Internal HDD	Up to 1 SATA HDDs		
	USB (Back-up)	2 USB Ports		
Storage	File Format (Back-up)	BU (DVR Player), EXE (Include Player)		
	Password Protection	1 Admin, 10 Group, 10 User per 1 Group		
Security	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)		
Audio	Loop Outputs	Not Support		
	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		
GENERAL	Protocol Support	Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/VICON/ ELMO		
	Electrical	Input Voltage / Current	DC12V Adaptor,4A,100~250VAC, 50~60Hz, 36watt	
Environmental	Power Consumption	Normal 15W (with 1x HDD)		
	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)
Language	RACK MOUNT KIT	Not Support		
		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)



Design and specifications are subject to change without notice.

■ DISTRIBUTED BY



SAMSUNG TECHWIN AMERICA Inc.
100 Challenger Rd. Suite 700 Ridgefield Park, NJ 07660
Toll Free : +1-877-213-1222 Direct : +1-201-325-6920
Fax : +1-201-373-0124
www.samsungcctvusa.com



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