SHR-2160 / SHR-2162
16-CHANNEL STANDALONE DIGITAL VIDEO RECORDER

FEATURES
- Sixteen Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1
- Improved MPEG-4 (Compression)
  (Min. File Size 3.75K)
- Recording Rate: Max. 120ips (CIF)
- Built In CD-RW, USB 2.0
- Back Up: USB HDD, CD-RW, Memory
- Audio Recording: 4 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T
- DDNS Support (Multiple Options)
- Audio Through Internet Supported
- Available Without CD-RW as SHR-2160
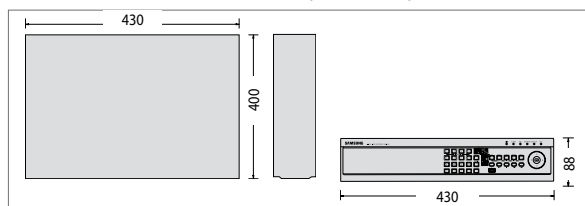- Remote Controller

SUMMARY
The SHR-2160/SHR-2162 is a sixteen channel Improved MPEG-4 Digital Video Recorder capable of recording 120ips in CIF mode. The SHR-2160/SHR-2162 operates in Triplex mode (monitoring/playback/recording) and can also record synchronized audio on 4 channels at selectable resolutions CIF & Half D1. Minimum file size is 3.75Kbyte @ CIF: 352x240, 6.5Kbyte @ Half D1: 720x240. Each channel can independently record at variable rates helping reduce HDD storage.

The SHR-2160/SHR-2162 includes built-in front USB 2.0 & CD-RW for expanded external storage. The USB 2.0 slot can be used for internal HDD expansion or external Back Up storage. It can also be used with a memory stick adding speed and convenience to video clip downloads.

ACCESSORIES
ADDITIONAL HARD DRIVES
GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive
GV-500GBHD, 500GB Fixed Hard Drive

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This product specification is also available in pdf format at www.samsung-security.com
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SHR-2160 / SHR-2162 | TECHNICAL SPECIFICATIONS

Dimensions (unit : mm)

SHR-2160 / SHR-2162

SPECIFICATIONS

DVR Type		16 Channel Video Input
Operating System		Embedded OS
Storage	Internal	250GB
	Internal capacity	500GB x 3 (SHR-2162)
		500GB x 4 (SHR-2160)
	External	USB HDD 250GB (optional)
Video	Input	16 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	16 Channel, (1Vp-p unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	480IPS
	Display Modes	Single, Quad, 6,7,8,9,16, Auto Sequence
Compression Rate	Low	3.75KB (352x240, 6.5KB (720x240)
	Standard	6KB (352x240), 10.25KB (720x240)
	High	7.6KB (352x240), 13.5KB (720x240)
	Very High	10.25KB (352x240), 17.6KB (720x240)
Audio	Compression	ADPCM
	Input	4 Channel, -5dBm
	Output	1 Channel, -6dBm
	Signal/Noise	Above 40db
Recording Modes		Manual, Schedule, Event (Alarm, Motion,
		Video Loss, Pre & Post)
	Speeds	NTSC: .9ips/1.9ips/3.8ips/7.5ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x288)
Search	Methods	Event/Time & Date/
		First/Last/Backup
Controls		Mode/Play/Rec/Stop/Still/Fast Fwd/
		Rewind/PTZ/Menu/Audio / Alarm/Search
Special Features		Motion Detection (Area & Sensitivity selectable),
		PIP, PTZ Control & 20 Presets, Digital Zoom x2,
		DST, Password Protected, Infrared Remote Control
Connector Rear	Video	16 BNC Input/Outputs (Composite), VGA, S-Video
		BNC Main, BNC Spot
	Audio	4 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP, DDNS
Backup	USB	External HDD, CD/DVD Writer, Flash Memory
		Internal CD-RW (SHR-2162)
Alarm	Input	16, 5mA
	Output	4, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power	Power Source	110-220 VAC
	Power Consumption	56W (SHR-2160) / 60W (SHR-2162)
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46"x 15.75" (430 x 88 x 400mm)
	Weight	14.3lb / 6.4Kg (SHR-2160) / 16.1lb / 7.3Kg (SHR-2162)
Certifications	UL, FCC, IC	