

# SHR-2160 / SHR-2162

## 16-CHANNEL STANDALONE DIGITAL VIDEO RECORDER



### 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.

### 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

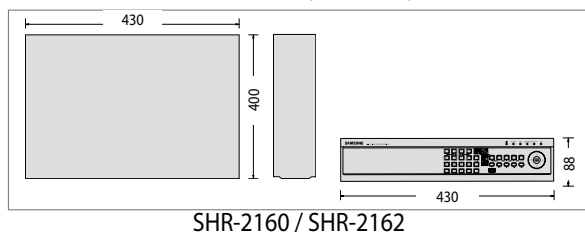
### ACCESSORIES

#### ADDITIONAL HARD DRIVES

- GV-160GBHD, 160GB Fixed Hard Drive
- GV-250GBHD, 250GB Fixed Hard Drive
- GV-500GBHD, 500GB Fixed Hard Drive

## SHR-2160 / SHR-2162 | TECHNICAL SPECIFICATIONS

Dimensions (unit : mm)



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

## Free Manuals Download Website

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