

# SRD-1684

16CH 1080p Analog HD Real-time DVR

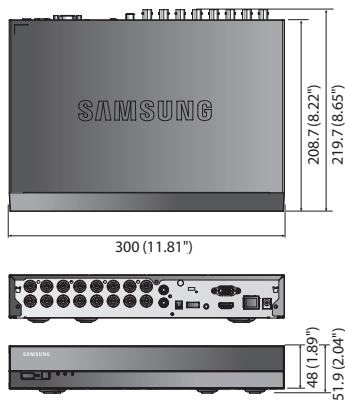


## Key Features

- 16CH 1080p AHD DVR (720p real-time)
- Up to 240/200(1080p)fps recording rate
- HDMI / VGA video output
- 1CH audio input / 1CH audio output
- Max. 1 internal HDD
- Coaxial control (Samsung-T/E, Pelco-C, ACP)
- Smart phone support (Android, iOS)
- Enhanced network bandwidth up to 32Mbps

## Dimensions

Unit : mm (inch)



		SRD-1684
<b>DISPLAY</b>		
Video	Inputs	16CH BNC, 1080p / 720p AHD and analog camera
	Resolution	1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 / 928 x 576, 704 x 576
Live	Frame Rate	480fps@1920 x 1080 / 480fps@1280 x 720 / 480fps@928 x 480
	Resolution	1920 x 1080 (Full HD) / 1280 x 720 (HD) / 928 x 480 (wD1)
	Multi Screen Display	1 / 4 / 7 / 9 / 13 / 16 / 16A / Sequence / PIP
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC : Up to 240fps@1920 x 1080 / PAL : Up to 200fps@1920 x 1080 NTSC : Up to 480fps@1280 x 720 / PAL : Up to 400fps@1280 x 720 NTSC : Up to 480fps@928 x 480 / PAL : Up to 400fps@928 x 480
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering
	Overwrite Modes	Continuous
	Pre-alarm	Off / 5sec
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
	Search & Playback	Search Mode
Network (IPv4)	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
	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
	Bandwidth	Up to 32Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP, UPnP
Smart Phone	Monitoring	SmartViewer, Webviewer, Mobile viewer, SSM (CMS)
	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
Storage	Max. Remote Users	Live 2, Play back 1
	Internal HDD	1 SATA HDD
	USB (Backup)	USB 2.0, 2 ports (Front 1, Back 1)
Security	File Format (Backup)	BU (DVR player), EXE (Include player), AVI
	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
<b>INTERFACE</b>		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
Audio	Inputs / Output	1CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Remote Notification	Notification via e-mail
	Ethernet	1 RJ-45 10/100 Base-T
Connections	Serial Interface	RS-485
	USB	USB 2.0, 2 ports (Front 1, Back1)
	Application Support	Mouse, Remote controller
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, VICON, GE
	Coax Protocol	NTSC/PAL : PTZ control via coaxial cable (Pelco-C (Coaxitron)) AHD (Coaxitron) : ACP (AHD Coax Protocol)
Cabling Distance	AHD Video Input	200m (656.17ft)
<b>GENERAL</b>		
Electrical	Input Voltage / Current	12V DC adaptor, 100 ~ 250V AC ±10%, 50/60Hz
	Power Consumption	Max. 23W (With 1x HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	300.0 x 48.0 x 208.7mm (11.81" x 1.89" x 8.22")
	Weight (With hard disks)	1.17Kg (2.58 lb) (with no HDD)
Language	English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Rumania, Serbia, Croatia, Hungary, Greek, Finnish, Norwegian, Korean, Japanese, Chinese (Traditional), Thai, Taiwanese (25 Language)	

\* The latest product information / sepecification can be found at <http://security.hanwhatechwin.com>

NETWORK CAMERA

NVR

NETWORK PERIPHERAL

ANALOG CAMERA

DVR

LENS

PERIPHERAL

MONITOR

CONTROLLER