

# SRD-494

4CH 1080p Analog HD Real-time DVR

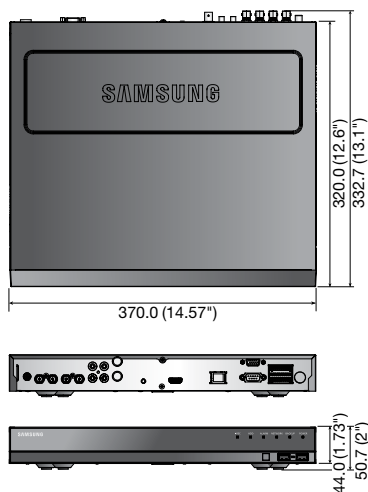


## Key Features

- 4CH 1080p real-time DVR
- Up to 120/100(1080p)fps recording rate
- HDMI / VGA video output
- 4CH audio inputs / 1CH audio output
- Max. 2 internal HDDs
- Coaxial cable (Pelco-C, ACP)
- Smart phone support (Android / iOS)
- Enhanced network bandwidth up to 64Mbps

## Dimensions

Unit : mm (inch)



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DISPLAY		
Video	Inputs	4CH BNC, 1080p / 720p AHD camera, NTSC/PAL
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
Live	Frame Rate	NTSC : 120fps / PAL : 100fps
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / PIP
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	Up to 120fps@1920 x 1080 / Up to 100fps@1920 x 1080 Up to 120fps@1280 x 720 / Up to 100fps@1280 x 720 NTSC : Up to 120fps@960 x 480 / PAL : Up to 100fps@960 x 576 NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	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 (Level 1 ~ 3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Backup, POS, Motion (*All search include preview function)
	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	Option 1) 1M ~ 2M (NTSC : 120fps, PAL : 100fps), 4CIF (NTSC : 120fps, PAL : 100fps) Option 2) 4CIF / 2CIF / CIF (NTSC : 120fps, PAL : 100fps)
	Bandwidth	Up to 64Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (1080p / 720p / 4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
Smart Phone	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
	Monitoring	SmartViewer, Webviewer, SSM (CMS)
	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
Storage	Max. Remote Users	Live 4, Playback 1CH
	Internal HDD	Up to 2 SATA HDDs
	USB (Backup)	2 USB ports
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
INTERFACE		
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)
	Spot Composite	Digital spot (2CH) *Included OSD on screen, Multi mode support
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 (Full duplex) for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	Application Support	Mouse
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Coax Protocol	NTSC/PAL : Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
GENERAL		
Electrical	Input Voltage / Current	12V DC adaptor, 4A, 100 ~ 240V AC, 50/60Hz, 36watt
	Power Consumption	Max. 13.3W (1 x 1T HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	370.0 x 44.0 x 320.0mm (14.57" x 1.73" x 12.6")
	Weight (With hard disks)	Approx. 2.68Kg (5.91lb)
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 / specification can be found at [www.hanwha-security.eu](http://www.hanwha-security.eu)