

# SRD-1656D

16CH CIF (1280H available) Real-time DVR

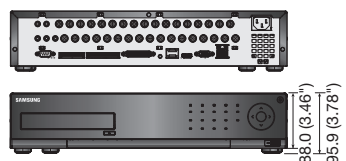
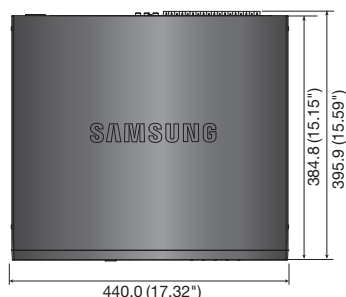


## Key Features

- 16CH CIF real-time DVR
- Up to 480(NTSC) / 400(PAL)fps recording rate
- HDMI / VGA video output
- 16CH audio inputs / 1CH audio output
- Max. 4 internal HDDs
- PTZ control via coaxial cable (Samsung CCVC, Pelco-C)
- DVD-RW, Smart phone support (Android / iOS)
- Accurate still image (De-Interlace support each channel)
- Enhanced Network Bandwidth up to 32Mbps

## Dimensions

Unit : mm (inch)



		SRD-1656D
<b>DISPLAY</b>		
Video	Inputs	16 Composite video 0.5-1 Vpp, 75 ohm automatic termination
	Resolution	NTSC : 1280 x 480, 720 x 480 / PAL : 1280 x 576, 720 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 1280 x 480, 720 x 480 / PAL : 1280 x 576, 720 x 576
	Multi Screen Display	1 / 4 / 7 / 9 / 13 / 16 / 16A / Sequence / PIP
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
	Compression	H.264
Recording	Record Rate	NTSC : Up to 120fps@1280 x 480 / PAL : Up to 100fps@1280 x 576 NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 30 fps) 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	Selectable (Stop / 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 Mode	Date/Time, Event, Back up, POS, Motion (*All search include preview function)
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 *Backward play with i-frame only
	Transmission Speed	4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
Network (IPv4)	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, HTTPS, DDNS, RTP, RTSP, SNMP
	Monitoring	SmartViewer, Webviewer, SSM (CMS)
Smart Phone	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 2, Search 1
Storage	Internal HDD	Up to 4 SATA HDDs
	External (e-SATA Interface)	2 External SATA ports (*Expansion bay, Model : SVS-5R/5E)
	DVD Writer (Back up)	Yes
	USB (Back up)	2 USB ports
Security	File Format (Back up)	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)
	Digital Composite	1 (1280 x 720, 1280 x 1024, 1920 x 1080)
	Loop Outputs	Digital spot (2CH) *Included OSD on screen, multi mode support (1CH) 16CH
Audio	Inputs / Output	16CH line in (Built-in 4CH, option : audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 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
	eSATA	2 External SATA ports
	Application Support	Mouse, Remote controller
GENERAL	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Coax Protocol	Samsung CCVC, Pelco-C
	<b>GENERAL</b>	
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz, Auto ranging
	Power Consumption	Max. 60W (With 1x HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
	Dimensions (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15")
Mechanical	Weight (With hard disks)	Approx. 6.6Kg (14.61 lb)
	Rack Mountable	Yes
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.samsungsecurity.com](http://www.samsungsecurity.com)