

SRD-1650D/DC

16CH, H.264, 120fps @ D1, DVD



Summary

Providing broadest range of features, including the most robust H.264 compression method, up to 10TB of massive storage capacity inside, audio recording, diverse search methods, and DVR-to-Client architecture, Samsung's SRD offers optimum performance for digital video recording solution.

Features

- 16ch real-time DVR
- Video (H.264) / Audio (ADPCM)
- Up to 480 FPS recording rate
- Up to 16ch audio inputs and 1ch audio outputs
- Combined BNC and VGA/HDMI video output for main display
- SRD-1650D/DC: Max 5 internal HDD (HDD x 5)
- HDD & DVD SATA interface
- DDNS
- Built-in web viewer
- DVD-RW
- Event notifications by E-mail
- Up the Coax support (SRD-1650DC)

H.264

Using the H.264 standard for video compression, SAMSUNG cameras capture exceptionally crisp motion while cutting the file size by up to 50%. This means saving money on storage without sacrificing in video quality.



Full D1 Real-time Frame Rate



120 frame/sec @ D1 Resolution



Competition

SRD-1650D/DC

16CH, H.264, 120fps @ D1, DVD



Specifications

| | | |
|-------|----------------------|--|
| Video | Inputs | 16 composite video 0.5-1 Vpp, 75 ohm automatic termination |
| | Resolution | 704x480 NTSC |
| Live | Frame rate | 480FPS NTSC |
| | Resolution | 704x480 NTSC |
| | Multi Screen display | 1/4/6/8/9/13/16/PIP |

Performance

| | | |
|-------------------|-----------------------|---|
| Operating System | Embedded | Linux |
| | Compression | H.264 |
| Recording | Record Rate/NTSC | Up to 120FPS @ 704x480 |
| | | Up to 240FPS @ 704x240 |
| | | Up to 480FPS @ 352x240 |
| | Mode/NTSC | Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (0.9/1.9/3.8/7.5/15 FPS) |
| | Mode/PAL | Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (0.8/1.6/3.1/6.2/12.5 FPS) |
| | Overwrite modes | Continuous |
| | Pre-alarm | Up to 30 sec. (5,10,20,30 Sec) |
| | Post-Alarm | Up to 6 hour. (5,10,20,30 sec,1,3,5,10,20 min,1,2,3,4,5,6hour) |
| | Search mode | Date/time, Event, Back up, Pos, Motion (*All Search Included Preview Function) |
| | Playback function | Fast Forward/Backward, Slow Forward/Backward, Step Forward/Backward |
| Search & Playback | | |
| | | |
| Network | Transmission speed | Up to (15Mbps, Unlimited(4M)/2/1.5/1 Mbps/800/600/500/400/300/200/100/50 kbps |
| | Bandwidth control | Automatic |
| | Multi Stream | H.264(4CIF/CIF) |
| | Remote users Maximum | Search(3)/Live Unicast(10)/Live Multicast(20) |
| | Protocol support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP |
| | Monitoring | Net-I Viewer, SVM-S1, Smart viewer, Webviewer |
| Storage | Internal HDD | Max 5 internal HDD (HDD x 5) |
| | External HDD | Up to 2 expansion bay(up to 4 HDD each) |
| | DVD Writer (Back-up) | YES |
| | USB (Back-up) | 3 USB Ports |
| | File Format (Back-up) | AVI, MDB(DVR Play back), EXE(include Player) |
| Security | Password Protection | 1Admin, 10 Group, 20 User per 1 Group, User can be assigned authority for function |
| | Data Authentication | Watermark |

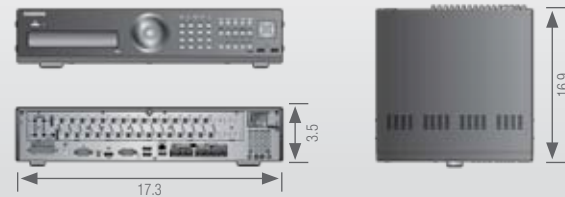
Interface

| | | |
|----------------|-----------------------|---|
| Monitors | VGA | Analog RGB 800x600, 1024x768, 1280x1024 resolution |
| | HDMI | 480p/720p/1080p resolution |
| | Main Composite | BNC, 1 Vp-p, 75 ohm |
| | Spot Composite | 1BNC, 1 Vp-p, 75 ohm, support Multi screen and camera title |
| | Loop Outputs | 16 |
| Audio | Inputs | 16 line in (Built in 4CH, Option : Audio Extension Cable) |
| | Output | 1 line |
| | Compression | ADPCM |
| | Sampling rate | 16KHz |
| Alarm | Inputs | Terminal 16 inputs, NO/NC |
| | Outputs | Terminal 4 relay outputs, NO/NC |
| | Remote notification | Notification via e-mail |
| Connections | Ethernet | 1 RJ45 10/100/1000 Base-T |
| | Serial interface | RS-232 |
| | PTZ control interface | RS-485 |
| | PTZ Keyboard | RS-485 |
| | USB | USB 2.0, 3 ports |
| | e-SATA | 2 External SATA ports |
| | Application Support | Mouse, Remote Controller |
| Dome Protocols | Supported PTZ cameras | Samsung-E/ Samsung-T/ Pelco-D/ Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCL TP/ICON |

General

| | | |
|---------------|------------------------|---|
| Electrical | Input Voltage | 100 to 240 VAC \pm 10%; 50/60 Hz, Autoranging |
| | Power consumption | Max. 55 W (with 1x HDD) |
| | | Max. 65W (with 2x HDD) |
| Environmental | Operating Temperature | +32°F to +104°F (+0°C to +40°C) |
| | Humidity | 20%RH to 85%RH |
| Mechanical | Dimensions (W x H x D) | 17.3 x 3.5 x 16.9 in (440 x 88 x 430 mm) |
| | Weight (2x hard disks) | Approx. 16.1 lb (7.5 kg) |
| | Rack mount kit | 2 EA |
| Lauguage | | English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Japanese, Czech, Swedish, Danish, Korean, Chinese, Netherlands |

Dimensions (unit : in) Front/Rear Panel



Certifications



SRD-1650D/DC



SURVEILLANCE
VIDEO .COM



800.955.5201

Email: sales@Surveillance-Video.com