

# SRD-443

4CH CIF Real-time Compact Design DVR

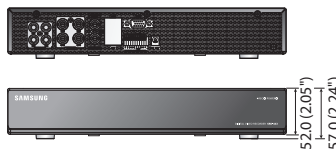
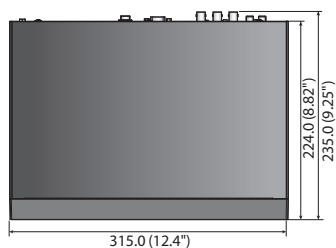


## Key Features

- 4CH CIF real-time DVR
- Up to 120(NTSC) / 100(PAL)fps recording rate
- VGA / Composite video output
- Max. 1 internal HDD
- Smart phone support (Android / iOS)
- Smart searching, Tampering detection

## Dimensions

Unit : mm (inch)



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| DISPLAY          |                          |                                                                                                                                                                                                                                                            |
|------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video            | Inputs                   | 4 composite video 0.5-1 Vpp, 75 ohm                                                                                                                                                                                                                        |
|                  | Resolution               | NTSC : 720 x 480 / PAL : 720 x 576                                                                                                                                                                                                                         |
| Live             | Frame Rate               | NTSC : 120fps / PAL : 100fps                                                                                                                                                                                                                               |
|                  | Resolution               | NTSC : 720 x 480 / PAL : 720 x 576                                                                                                                                                                                                                         |
|                  | Multi Screen Display     | 1 / 4 / Sequence / PIP                                                                                                                                                                                                                                     |
| PERFORMANCE      |                          |                                                                                                                                                                                                                                                            |
| Operating System | Embedded                 | Linux                                                                                                                                                                                                                                                      |
|                  | Compression              | H.264                                                                                                                                                                                                                                                      |
| Recording        | Record Rate              | NTSC : Up to 30fps@704 x 480 / PAL : Up to 25fps@704 x 576<br>NTSC : Up to 60fps@704 x 240 / PAL : Up to 50fps@704 x 288<br>NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288                                                                   |
|                  | Mode                     | NTSC / PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post)                                                                                                                                                                                     |
|                  | Event                    | Video loss, Motion (Level 1 ~ 10), Alarm                                                                                                                                                                                                                   |
|                  | Overwrite Modes          | Selectable (Stop / Continuous)                                                                                                                                                                                                                             |
|                  | Pre-alarm                | Up to 5sec                                                                                                                                                                                                                                                 |
|                  | Post-alarm               | Up to 6 hour (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 included preview function)<br>Playback Function: Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only<br>Slow forward / backward (1/2x, 1/4x, 1/8x)        |
| Network (IPv4)   | Transmission Speed       | CIF 120/100fps                                                                                                                                                                                                                                             |
|                  | Bandwidth                | Up to 4Mbps, Unlimited (4M) / 2 / 1.5 / 1Mbps / 800 / 600 / 500 / 400 / 300 / 200 / 100 / 50kbps                                                                                                                                                           |
|                  | Bandwidth Control        | Automatic                                                                                                                                                                                                                                                  |
|                  | Stream                   | H.264 (CIF)                                                                                                                                                                                                                                                |
|                  | Max. Remote Users        | Search 2 / Live unicast 4 / Live multicast 20                                                                                                                                                                                                              |
|                  | Protocol Support         | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP                                                                                                                                                                                                      |
| Smart Phone      | Monitoring               | SmartViewer, Webviewer, SSM (CMS)                                                                                                                                                                                                                          |
|                  | Platform                 | Android, iOS                                                                                                                                                                                                                                               |
|                  | Protocol Support         | RTP, RTSP, HTTP, CGI                                                                                                                                                                                                                                       |
| Storage          | Max. Remote Users        | Live 2, Search 1                                                                                                                                                                                                                                           |
|                  | Internal HDD             | Up to 1 SATA HDD                                                                                                                                                                                                                                           |
|                  | 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 (1024 x 768) *Main composite or VGA selected in booting                                                                                                                                                                                              |
|                  | Main Composite           | 1 BNC (1 Vpp, 75 ohm)                                                                                                                                                                                                                                      |
|                  | Spot Composite           | Analog spot (1 BNC, 1 Vpp, 75 ohm)                                                                                                                                                                                                                         |
| Audio            | Inputs / Output          | 4CH line in / 1CH line out                                                                                                                                                                                                                                 |
|                  | Compression              | G.711                                                                                                                                                                                                                                                      |
|                  | Sampling Rate            | 8KHz                                                                                                                                                                                                                                                       |
| Alarm            | Inputs / Output          | Terminal 4 inputs (NO/NC) / Terminal 1 relay outputs (NO),<br>Rating : 24V DC / 1A, 125V AC / 0.5A                                                                                                                                                         |
|                  | Remote Notification      | Notification via e-mail                                                                                                                                                                                                                                    |
| Connections      | Ethernet                 | 1 RJ-45 10/100 Base-T                                                                                                                                                                                                                                      |
|                  | Serial Interface         | RS-485 (Half) for PTZ, System keyboard                                                                                                                                                                                                                     |
|                  | USB                      | USB 2.0, 2 ports                                                                                                                                                                                                                                           |
|                  | Application Support      | Mouse, Remote controller                                                                                                                                                                                                                                   |
|                  | Protocol Support         | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO                                                                                                                                                               |
| GENERAL          |                          |                                                                                                                                                                                                                                                            |
| Electrical       | Input Voltage / Current  | 12V DC adaptor, 2A, 100 ~ 240V AC, 50/60Hz, Max. 24watt                                                                                                                                                                                                    |
|                  | Power Consumption        | Max. 19.6W (With 1x HDD)                                                                                                                                                                                                                                   |
| Environmental    | Operating Temperature    | +0°C ~ +40°C (+32°F ~ +104°F)                                                                                                                                                                                                                              |
|                  | Operating Humidity       | 20% ~ 85% RH                                                                                                                                                                                                                                               |
| Mechanical       | Dimensions (WxHxD)       | 315.0 x 52.0 x 224.0mm (12.4" x 2.05" x 8.82")                                                                                                                                                                                                             |
|                  | Weight (With hard disks) | Approx. 1.6Kg (3.53 lb)                                                                                                                                                                                                                                    |
| 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) |

\* Coaxial communication not supported

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