

- H.264 COMPRESSION VIDEO DATA
- 960 X 480 LIVE VIEWING RESOLUTION
- 960H/D1 RECORDING SELECTABLE
- QUICK CONNECT TECHNOLOGY TO CONNECT FROM MOBILE AVOIDING PORT FORWARDING AND ROUTER CONFIGURATIONS
- MOTION ALARM AND VIDEO LOSS ALARM
- SYSTEM SELF-RECOVERY AFTER POWER LOSS
- SUPPORTS IR REMOTE CONTROL AND PTZ CONTROL
- BACKUP HDD DATA VIA USB 2.0 PORT
- VGA OUTPUT AND HDMI SUPPORT
- FREE DDNS SERVICE FROM BOLIDE
- SUPPORTS MOBILE SURVEILLANCE



4Ch &amp; 8Ch model

## GENERAL DESCRIPTION

960H represents the number of effective pixels in the horizontal direction of the CCD image sensor. This is a drastic improvement over the previous industry standard of 760 horizontal lines giving 960H a 30% increase in the number of effective pixels. There are a variety of 960H cameras in the market although; there are very few digital video recorders that can record and playback video under the same resolution. The previous industry standard was capable of only capturing 540 TVL (TV lines) where as our 960H DVR's will capture the full 700 TVL.

**Bolide Technology Group** released its SVR9000CHD series with selectable 960H/D1 recording function. With the new 960H generation of digital video recorders your record and playback quality will be significantly better than a standard analogue system. The SVR9000HD series has been offered with a 4CH, 8CH, and 16CH that supports H.264 compression as well as the option to remote view using the iPhone, Android OS, Windows Mobile, Symbian and blackberry.

Now, The **SVR9000CHDP Series** has evolved to include **Quick Connect** Technology. This, meaning that there is no longer a need to manually port forward or utilize DDNS servers. Every DVR of **SVR9000CHDP Series** automatically opens these ports to communicate with your router and includes an ID or QR code specific to that DVR. This QR code can be scanned using our Bolide DVR application available on iOS or Android devices. This will enable the user to automatically sync to their DVR and watch all of these cameras come to life on a mobile device.

The **SVR9000CHDP Series** gives the customer full central management of up to 128 DVR's with live viewing of up to 64 video streams and a virtual matrix for each DVR connected. All of this comes with free licensing and a unique multiscreen feature that allows you to extend your DVR to 3 monitors with options of having live view, playback and E-maps all being displayed at the same time.

| SPECIFICATIONS  |  | SVR9004CHDP   | SVR9008CHDP  |
|---|--|---|--|
| IMAGE COMPRESSION   |  | H.264   | H.264  |
| VIDEO SYSTEM  |  | NTSC/PAL  | NTSC/PAL   |
| OPERATION SYSTEM  |  | Linux(embedded)   | Linux(embedded)  |
| VIDEO   | INPUT  | 4CH BNC   | 8CH BNC  |
|   | OUTPUT   | 1CH BNC   | 1CH BNC  |
| AUDIO   | INPUT  | 2CH RCA   | 2CH RCA  |
|   | OUTPUT   | 1CH RCA   | 1CH RCA  |
| DISPLAY RESOLUTION  | PAL  | 960×576@25fps(each channel)   | 960×576@25fps(each channel)  |
|   | NTSC   | 960×480@30fps(each channel)   | 960×480@30fps(each channel)  |
|   | MODE   | Single/ Quad/S.E.Q.   | Single/ Quad/Nine/S.E.Q.   |
| RECORD  | RESOLUTION   | <b>NTSC:</b><br><b>D1mode:</b><br>360x240(CIF),720x240(HD1),720x480(D1)     | <b>NTSC:</b><br><b>D1Mode:</b><br>360x240(CIF, 720X240(HD1), 720X480(D1)                         |
|   |  | <b>960Hmode:</b> 480x240(WCIF),960x240(WHD1),<br>960x480(WD1)               | <b>960H mode:</b> 480x240(WCIF), 960X240(WHD1),<br>960X480(WD1)                                  |
|   |  | <b>PAL:</b><br><b>D1 mode:</b> 360x288 (CIF), 720X288 (HD1),<br>720X576(D1) | <b>PAL:</b><br><b>D1 mode:</b><br>360x288(CIF),720x288(HD1),720x576(D1)                          |
|   | FRAME RATE   | <b>960H mode:</b> 480 x288 (WCIF), 960 x 288<br>(WHD1), 960x576 (WD1)       | <b>960H mode:</b> 480x288(WCIF),960x288(WHD1),<br>960x576(WD1)                                   |
|   |  | <b>NTSC:</b><br>D1mode/960Hmode@30fps (Each Ch)                             | <b>NTSC:</b><br>CIF/HD1/D1:30fps, WCIF:30fps; WHD1/<br>WD1:11fps (Each Ch)                       |
|   |  | <b>PAL:</b><br>D1mode/960Hmode@25fps(Each Ch)                               | <b>PAL:</b><br>CIF/HD1/D1:25fps, WCIF:25fps; WHD1/<br>WD1:9fps (Each Ch)                         |
| RECORDING MODE  |  | Continuous/Manual/Motion detected   | Continuous/Manual/Motion detected  |
| PLAYBACK CHANNEL  |  | 1/4ch   | 1/4/9ch  |
| PLAYBACK SPEED SIMULTANEOUSLY RECORD                                    | <b>NTSC:(Each channel)</b><br>Single Channel Playback:<br>D1 mode/960H mode:30fps;   |   | <b>NTSC:(each channel)</b><br>1~4CH Playback: CIF /HD1/D1:30fps,<br>WCIF:30fps, WHD1/ WD1:23fps  |
|   | 4CH Playback:<br>30fps@HD1&CIF,22fps@D1,<br>30fps@WHD1&WCIF,19fps@WD1                |   | 8CH Playback: 15fps@D1&HD1&CIF,<br>30fps@WCIF,11fps@WD1&WHD1                                     |
|   | <b>PAL: (Each Channel)</b><br>Single Channel Playback:<br>D1 mode / 960H mode :25fps |   | <b>PAL: (each channel)</b><br>1~4CH Playback: CIF /HD1/D1 :25fps,<br>WCIF:25fps, WHD1/ WD1:19fps |
| 4Ch Playback:<br>25fps@HD1&CIF, 19fps@D1,<br>25fps@WHD1&WCIF, 16fps@WD1 |  | 8CH Playback: 12fps@D1&HD1&CIF,<br>25fps@WCIF,9fps@WD1&WHD1                 |  |

**4-Ch & 8-Ch models**


| SPECIFICATIONS             | SVR9004CHDP   | SVR9008CHDP   |
|----------------------------|---|---|
| <b>NETWORK</b>             | Lan, DHCP, Dynamic IP   | Lan, DHCP, Dynamic IP   |
| <b>HDD INTERFACE</b>       | 1SATA HDDs, up to 2TB<br><i>Suggested Seagate SV35 and Western Digital WD20EURS</i> | 1SATA HDDs, up to 2TB<br><i>Suggested Seagate SV35 and Western Digital WD20EURS</i> |
| <b>MULTIPLEX OPERATION</b> | Live display, record, playback, backup and network                                  | Live display, record, playback, backup and network                                  |
| <b>USB</b>                 | 2xUSB(for mouse and backup/upgrade)   | 2xUSB(for mouse and backup/upgrade)   |
| <b>PTZ CONTROL</b>         | Built in RS485, support Pelco-P & Pelco-D   | Built in RS485, support Pelco-P & Pelco-D   |
| <b>MOBILE SURVEILLANCE</b> | Support Mobile Phones based on Windows mobile, iPhone and Android operation system  | Support Mobile Phones based on Windows mobile, iPhone and Android operation system  |
| <b>VGA</b>                 | 800*600,1024*768, 1280*1024,1440*900, 1920*1080                                     | 800*600,1024*768, 1280*1024,1440*900, 1920*1080                                     |
| <b>HDMI</b>                | 1080P   | 1080P   |
| <b>POWER SUPPLY</b>        | DC 12V 2A   | DC 12V 2A   |
| <b>DIMENSIONS(WxDxH)</b>   | 250x235x38mm  | 250x235x38mm  |


**16-Ch model**


| SPECIFICATIONS        | SVR9016CHDP   |
|-----------------------|---|
| IMAGE COMPRESSION     | H.264   |
| VIDEO SYSTEM          | NTSC / PAL  |
| OPERATING SYSTEM      | Linux Embedded  |
| VIDEO INPUT           | 16CH BC   |
| VIDEO OUTPUT          | 1CH BNC   |
| AUDIO INPUT           | 4CH BNC   |
| AUDIO OUTPUT          | 1CH BNC   |
| DISPLAY RESOLUTION    | 961 X 480 @30fps Real Time  |
| DISPLAY MODE          | Single / Quad / Nine / Sixteen with S.E.Q   |
| RECORD RESOLUTION     | D1 Mode: 360x240 (CIF) / 720X240 (HD1) / 720 X 480 (D1)<br>960H Mode: 480x240 (WCIF) / 960x240 (WHD1) / 960x480 (WD1) |
| RECORD FRAME RATE     | <b>30fps@CIF/WCIF, 12fps@D1/HD1,10fps@WD1/WHD2</b>  |
| RECORD MODE           | Continuos / Manual / Motion Detection / Alarm Activated   |
| PLAYBACK CHANNEL      | 1-16 CH   |
| PLAYBACK SPEED        | <b>30fps@CIF/WCIF, 12fps@D1/HD1,10fps@WD1/WHD2</b>  |
| SENSOR & ALARM IN/OUT | 8CH sensor input / 1CH alarm out  |
| NETWORK               | Static, DHCP  |
| HDD INTERFACE         | 1 SATA HDDs up to 2TB<br><i>Suggested Seagate SV35 and Western Digital WD20EURS</i>                                   |
| MULTIPLEX OPERATION   | Live Display / Record / Playback / Backup and Network   |
| USB                   | 2 x USB ( Mouse and Backup)   |
| PTZ CONTROL           | Built -in RS485, support Pelco P&D  |
| MOBILE SURVEILLANCE   | Supports Windows Mobile / Symbian / iPhone / Blackberry and Android OS  |
| VGA                   | 800x600 / 1024x768 / 1280x1024 / 1440x900 / 1920x1081   |
| HDMI                  | 1080p   |
| POWER                 | 12VDC 5A  |
| DIMENSIONS            | 15" X 12.5" X 2"<br>38,1cm X 31,75cm X 5,08cm   |