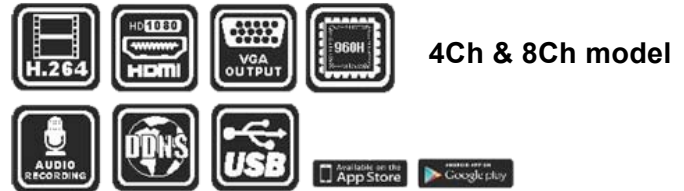


- H.264 COMPRESSION VIDEO DATA
- 960 X 480 LIVE VIEWING RESOLUTION
- 960H/D1 RECORDING SELECTABLE
- BOLIDE DDNS BUILT-IN
- MOTION ALARM AND VIDEO LOSS ALARM
- SYSTEM SELF-RECOVERY AFTER POWER LOSS
- SUPPORTS IR REMOTE CONTROL AND PTZ CONTROL
- BACKUP HDD DATA VIA USB 2.0 PORT
- VGA OUTPUT AND HDMI SUPPORT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



## 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 is offered with a 4CH, 8CH, and a 16CH that supports H.264 compression as well as the option to remote view using the iPhone, Android OS, Windows Mobile, Symbian and blackberry. The **SVR9000HD** and **SVR9000CHD** series come with a DDNS service to end users as an easier alternative to monitoring dynamic IP addresses that constantly change. Additionally, our CMS software has been upgraded to be able to digitally zoom over live view and playback.

The **SVR9000CHD** 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		SVR9004CHD	SVR9008CHD
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> <b>D1mode:</b> 360x240(CIF),720x240(HD1),720x480(D1)	<b>NTSC:</b> <b>D1Mode:</b> 360x240(CIF, 720X240(HD1), 720X480(D1)
		<b>960Hmode:</b> 480x240(WCIF),960x240(WHD1), 960x480(WD1)	<b>960H mode:</b> 480x240(WCIF), 960X240(WHD1), 960X480(WD1)
	FRAME RATE	<b>PAL:</b> <b>D1 mode:</b> 360x288 (CIF), 720X288 (HD1), 720X576(D1)	<b>PAL:</b> <b>D1 mode:</b> 360x288(CIF),720x288(HD1),720x576(D1)
		<b>960H mode:</b> 480 x288 (WCIF), 960 x 288 (WHD1), 960x576 (WD1)	<b>960H mode:</b> 480x288(WCIF),960x288(WHD1), 960x576(WD1)
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> Single Channel Playback: D1 mode/960H mode:30fps;  4CH Playback: 30fps@HD1&CIF,22fps@D1, 30fps@WHD1&WCIF,19fps@WD1	<b>NTSC:(each channel)</b> 1~4CH Playback: CIF /HD1/D1:30fps, WCIF:30fps, WHD1/ WD1:23fps  8CH Playback: 15fps@D1&HD1&CIF, 30fps@WCIF,11fps@WD1&WHD1	
	<b>PAL: (Each Channel)</b> Single Channel Playback: D1 mode / 960H mode :25fps  4Ch Playback: 25fps@HD1&CIF, 19fps@D1, 25fps@WHD1&WCIF, 16fps@WD1	<b>PAL: (each channel)</b> 1~4CH Playback: CIF /HD1/D1 :25fps, WCIF:25fps, WHD1/ WD1:19fps  8CH Playback: 12fps@D1&HD1&CIF, 25fps@WCIF,9fps@WD1&WHD1	

### 4Ch & 8Ch model



SPECIFICATIONS	SVR9004CHD	SVR9008CHD
NETWORK	Lan, DHCP, Dynamic IP and DDNS	Lan, DHCP, Dynamic IP and DDNS
HDD INTERFACE	1SATA HDDs, up to 2TB <i>Suggested Seagate SV35 and Western Digital WD20EURS</i>	1SATA HDDs, up to 2TB <i>Suggested Seagate SV35 and Western Digital WD20EURS</i>
MULTIPLEX OPERATION	Live display, record, playback, backup and network	Live display, record, playback, backup and network
USB	2xUSB(for mouse and backup/upgrade)	2xUSB(for mouse and backup/upgrade)
PTZ CONTROL	Built in RS485, support Pelco-P & Pelco-D	Built in RS485, support Pelco-P & Pelco-D
MOBILE SURVEILLANCE	Support Mobile Phones based on Windows mobile, iPhone and Android operation system	Support Mobile Phones based on Windows mobile, iPhone and Android operation system
VGA	800*600,1024*768, 1280*1024,1440*900, 1920*1080	800*600,1024*768, 1280*1024,1440*900, 1920*1080
HDMI	1080P	1080P
POWER SUPPLY	DC 12V 2A	DC 12V 2A
DIMENSIONS(WxDxH)	250x235x38mm	250x235x38mm



16Ch model

SPECIFICATIONS	SVR9016CHD
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) 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, Bolide DDNS
HDD INTERFACE	1 SATA HDDs up to 2TB <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" 38,1cm X 31,75cm X 5,08cm