



# SGD X1624Hy

Data Sheet

## Overview

Welcome to the next generation of hybrid digital video recording technology from SG Digital. Combining the latest in embedded and H.264 technology, the XDVR delivers solid performance and reliability. The XDVR supports both analog and IP cameras, allowing it to be used as either an NVR, analog DVR or Hybrid DVR.



## Special Features

- Selectable analog or IP streams per channel.
- Each channel can either be an analog or IP input.
- IP streams can be from any other IP camera, Web server or XDVR.
- Smart and Statistic Search



## Standard Features

- 16 channel Hybrid
- 480 FPS live/240 FPS recording
- Advanced compression H.264
- Various display mode (1/4/9/16)
- High-Speed Search Engine (Max 128X)
- Smart and Statistic Search (Patent)
- User-Friendly 3D GUI Menu
- Easy backup with 3 USB Ports
- Built-in DVD-RW
- Powerful, integrated multi-site network with CMS Software
- 3 X HDD
- Convenient control with remote and USB Mouse
- Automatic upgrade via Network/using USB Stick
- Hardware Watchdog Function
- High, Reliable Embedded O/S DMX-V4 Engine



# Specifications

<b>VIDEO</b>	
Compression	H.264 (Professional MPEG4 DMX-V3)
Data Size	0.5KB/frame
Image Size	D1 (704X480), Half D1 (704X240), CIF (352X240)
Recording Frame	Max. NTSC 240FPS / Max. PAL 100FPS (CIF base)
TV Output	1 CH (1.0Vpp, 75Ω, BNC)
SPOT	1 CH (1.0Vpp, 75Ω, BNC)
VGA Output	1 CH (D-Sub) Can be used TV out simultaneously
Screen Split Control	8CH DVR: 1, 4, 8, 16CH DVR: 1, 4, 9, 16
Video Input / Output	8CH DVR:8/8ch, 16 CH DVR:16/16ch
<b>AUDIO</b>	
Compression	G.726 (ADPCM 8KHz Sampling)
Input / Output	2 CH Line In / 1 CH Speak Out (RCA)
<b>ALARM</b>	
Sensor Input	8CH DVR: 8 Programmable, 16CH DVR: 16 Programmable
Alarm Output	8CH DVR: 8TTL, 16CH DVR: 16TTL
Buzzer	1 Internal @ 85db/10cm
Record Hybrid	Max 16 channel real-time recording of analog input or remote video (DVR, Video Server).
Live	Real-time Remote Max. 120FPS Transmission
Search	Date & Time / Smart / Statistics / Event Search
Backup	Remote Backup, Clip Bank Player
Connect (Hybrid)	Connect and record of remote DVRs. Max. 16 channels
Operation System	Non-OS (Embedded DMX-V3 Engine)
GUI	3D Graphic User Interface
HDD	SATA I (1.5Gbps) HDD (Max. 3)
ODD / USB	DVD-RW(Optional) / USB 2.0 (Front:2, Back: 1)
External Control	USB Mouse, IR Remote Controller
Serial	RS-485(Half Duplex, Terminal Block)
Network	LAN 10/100 Base Ethernet(RJ-45)
Recording Mode	Continuous, Scheduled, Motion Detection, Sensor Event, Manual
Search Mode	3 Step Search / Date & Time / Statistic / Event / Smart Search
Power Source	AC 110/220V
Operating Temp.	5-45C
Dimensions:	430mm (W) X 90mm (H) X 415mm (D)