

HD DVR

H.264 16ch HD-SDI Stand Alone DVR
HD1600M



Key Features

- 16ch HD-SDI stand-alone DVR with **H.264** and JPEG dual codec
- HD-SDI video input standard SMPTE 292M applied (1080p/720p Multi Signal Input)
- Max. 120fps recording with 1080p, 240fps recording with 720p
- Adjustable resolution (1080p, 720p) and frame rate per channel
- 4 internal SATA type HDDs (Max. 4 HDDs can be installed)
- Real-time multi channels playback
- Support external storage Max. 64TB via Storage (NVS04R) or Max 16TB with eSATA
- Support multi stream for Recording , Network and Mobile view simultaneously
- Provide bundle CMS (supports 1,000 units registration E-map, view set and schedule backup)
- USB mouse and user friendly GUI
- 4ch audio inputs for recording and 1ch output for two-way audio
- Built-in HDMI /VGA video out supporting 1080p
- Built-in multiplexer for 16ch live monitoring and playback (1/4/9/16 mode)
- Built-in DVD writer, USB and eSATA port for data backup
- PTZ control (support preset) via RS485
- Support dynamic IP through own DDNS server
- Support IR remote controller and external keyboard/joystick via RS485/232
- Built-in web server for web browser monitoring , playback and backup
- Support NTP (Network time protocol) for time synchronization
- Event, Thumbnail, Date/time, Log, Text, Smart search available from Control Center software
- Support IPFR (Intelligent power failure recovery) file system
- Mobile webpage supported (For iPhone, Black Berry, Android platform)
- FCC, CE, MIC, RoHS Under approval



Connection Diagram

Specification (HD1600M)

| Item | | Description |
|----------------------------------|--------------|--|
| Video Input | HD-SDI Ch | 16ch HD-SDI (SMPTE 292M) input BNC connectors |
| Video Output | Monitor | 1HDMI/1VGA |
| Video Compression | | H.264 & JPEG |
| Display | Speed | 480fps |
| | Resolution | 1080p, 720p |
| | Multi Screen | 1, 4, 9, 16 ch |
| Recording | Speed | 120fps at 1080p, 24fps at 720p |
| | Resolution | 1080p, 720p |
| Sensor Input / Relay Output | | 16 input / 4 output, Configurable NO/NC |
| System Control | | Key buttons, Remote client, IR remote, Keyboard controller (Option) |
| PTZ Control | | RS485 |
| Audio | | 4ch input / 1ch output |
| Camera Title | | 22 Characters per channel |
| Recording Mode | | Manual & Event / Schedule & Event |
| Recording Quality | | 5 levels of compression rate / Record frame rate adjustment |
| Pre/Post Recording | | 5sec /60sec |
| Motion Detection | | 22x15 grid |
| Search Mode | | Event, Thumbnail Date/Time, Log, Text, Smart available from Control Center software |
| Playback Mode | | Forward, Reverse, Pause, 1/2 x, 1x, 2x, 4x, 8x, 16x, 32x, 64x |
| Multiplex Function | | Simultaneous Record/Playback/backup, Remote monitoring/Remote playback |
| Alarm Notification | | Automatic e-mail, Internal buzzer, Relay-out, Pop-up screen, Network Event, ftp sending |
| File System | | Intelligent power failure recovery |
| Watermark | | Yes |
| Password Protection | | 11 level (1 Admin / 10 User) |
| Backup | | DVD writer (DVD-R 4.7G media), eSATA, USB, Network |
| Interface | | 1 RS 232C, 2 RS 485 |
| Storage | | 4 internal SATA HDD, 1 eSATA, Giga Ethernet for NVS04R |
| Network | | TCP/IP, ARP, ICMP, DHCP, PPPoE, UDP, SMTP, SNMP, FTP, SNTp, HTTP, TLS |
| Remote Control | CMS | Provide bundle CMS (supports 1,000 units registration E-map, view set and schedule backup) Functions: supports 1,000 units registration E-map, view set and schedule backup |
| | Web viewer | Built-in web server for web browser monitoring, playback and backup |
| | Mobile | Mobile Webpage supported (For iPhone, Black Berry, Android platform) |
| Operating System | | Embedded Linux |
| Temperature Range | Operation | +5°C ~ +45°C (+41F ~ +113F) |
| | Storage | -25°C ~ +70°C (-13F ~ +158F) |
| Relative Humidity | Operation | 85% RH below |
| | Storage | 95% RH below |
| Dimensions (mm) | | 445(W) x 442(D) x 88(H) |
| Weight | | TBD |
| Power Consumption | | AC 100~240V, 50/60Hz, Max. 75W, Typical 50W (TBD) |
| Total Integration Solution & API | | Control Center, SDK |

