

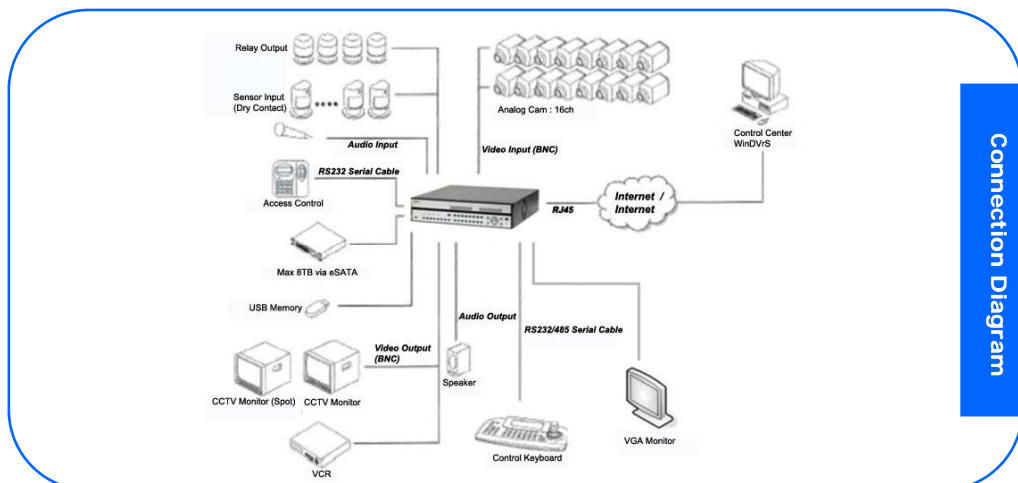
DVR

MPEG-4 16ch Stand Alone DVR eDVR MD1600H



Key Features

- 16ch stand-alone DVR with MPEG-4 and JPEG dual codec
 - Max. 480/400ips recording with 4CIF (D1) resolution (30/25ips per channel)
 - Adjustable resolution (CIF, 2CIF/HALF, 4CIF/D1) and frame rate per channel
 - Support JPEG encoding for multi channel network monitoring
 - 2 internal and 2 hot-swappable HDDs with SATA type (Max. 4 HDDs can be installed)
 - Support external storage with Max. 8TB via NVS04R*, eSATA or IEEE1394b*
 - Storage extension via IEEE1394b* (800Mbps) for RAID support
 - 4ch audio inputs for recording and 1ch output for two-way audio
 - Built-in 4 BNC monitor outputs (each monitor support 1/4/9/16ch and sequential mode)
 - Built-in multiplexer for 16ch live monitoring and playback (1/4/9/16ch mode)
 - Built-in DVD writer, USB and eSATA port for data backup
 - Support large scaled storage (NVS04R*) via Gigabit Ethernet
 - PTZ control (support preset) via RS485/232
 - Support static and dynamic IP for xDSL, cable-modem user
 - Support IR remote controller and external keyboard/joystick via RS485/232
 - Provide remote monitoring software (Control Center software)
 - Built-in web server for web browser viewing and playback
 - Support NTP (Network time protocol) for time synchronization
 - Support WESP (WebGate embedded standard protocol) SDK for SI and project manager
 - Date/time, log, text, smart search available from Control Center software
 - Support IPFR (Intelligent power failure recovery)
 - FCC, CE, MIC, RoHS approved
- (*Under development)



Specification (MD1600H)

| Item | | Description |
|----------------------------------|--------------|---|
| Video Input | Analog Ch. | 16 BNC connectors (NTSC/PAL, Auto detect) |
| Video Output | Monitor | 4 BNC (Each monitor support 16 division), 1 VGA |
| | Loop Out | 16 with auto-termination |
| Video Compression | | MPEG-4 & JPEG |
| Display | Speed | 480/400ips (NTSC/PAL) |
| | Resolution | D1 (4CIF), HALF (2CIF), CIF |
| | Multi Screen | 1, 4, 9, 16ch |
| Recording | Speed | 480/400ips (NTSC/PAL) at D1 (4CIF) |
| | Resolution | D1 (4CIF), HALF (2CIF), CIF |
| | Multi Screen | 1, 4, 9, 16ch |
| 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 / RS232 |
| Audio | | 4ch input / 1ch output |
| Display | | Brightness, Contrast and covert feature |
| Camera Title | | 22 Characters per channel |
| Recording Mode | | Manual (Emergency), Alarm (Pre/Post), Schedule |
| Recording Quality | | 5 levels of compression rate / Record frame rate adjustment |
| Pre/Post Recording | | 5sec / 60sec |
| Motion Detection | | 22x15 (NTSC) or 22x18 (PAL) grid |
| Search Mode | | Date/Time, Log, Text, Smart |
| Playback Mode | | Forward, Reverse, Pause, 1x, 2x, 4x, 8x, 16x, 32x, 64x |
| Multiplex Function | | Simultaneous live display/Playback/Record, Remote monitoring/Playback |
| Alarm Notification | | Automatic e-mail, Internal buzzer, Relay-out, Pop-up screen, Network Event |
| File System | | Intelligent power failure recovery |
| Watermark | | Yes |
| Password Protection | | 2 level (Admin/User) |
| Backup | | DVD writer (DVD-R 4.7G media), eSATA, USB, R-HDD, Network, IEEE-1394b*, NVS04R* |
| Interface | | 2 RS-232C, 2 RS-485 |
| Storage | | 2 internal + 2 Hot-swappable SATA HDD |
| Network | | TCP/IP, ARP, ICMP, DHCP, PPPoE, UDP, SMTP, SNMP, FTP, SNTP, HTTP* |
| Remote Control | | Software application: Control Center Lite (Supplied basically) Remote observation through web browser* Functions: Monitor, Search, Playback, Backup, Event monitor, PTZ |
| Operating System | | Embedded Linux |
| Temperature Range | Operation | +5°C ~ +40°C (+41F ~ +113F) |
| | Storage | -25°C ~ +70°C (-13F ~ +158F) |
| Relative Humidity | Operation | 93% RH below |
| | Storage | 95% RH below |
| Dimensions (mm) | | 445(W) x 388(D) x 88(H) |
| Weight | | 10.3Kg |
| Power Consumption | | AC 100~240V, 50/60Hz, Max. 85W, Typical 60W |
| Total Integration Solution & API | | Control Center, WinDVrS, WESP SDK |

(*Under development)

