# DVR-04/08/16HET

## 4/8/16 Channel Full D1 High-performance Standalone DVR

**4/8/16CH** | **H.264** | **Max 400/480fps** | **704x576 Full D1** | **16CH**

**Max 16TB HDD** | **1920x1080 HDMI / VGA**
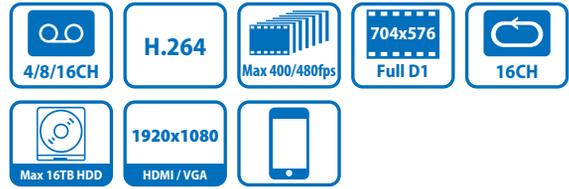
**PSS** PC Based Network Recording and Monitoring Software (free of charge)
- can connect unlimited No. of DVRs -

**DVR-04HET:** Full D1 recording, 4 channel video inputs, 4 channel audio inputs, 4 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.

**DVR-08HET:** Full D1 recording, 8 channel video inputs, 8 channel audio inputs, 8 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.

**DVR-16HET:** Full D1 recording, 16 channel video inputs, 16 channel audio inputs, 16 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.



PSS 36 windows

## Features

- 4/8/16 channels full D1 standalone DVR
- Up to 4/8/16 cameras with full HD 1080P display
- H.264 video compression algorithm ideal
- Full channel at D1(4CIF) realtime recording
- Dual encoding streams supported
- TV(BNC)/VGA/HDMI synchronous video output
- live, recording, playback, backup & remote access

- 16 channel simultaneous playback
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with Videosec PTZ dome
- Easy backup: USB devices, CD/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ, e-mail, FTP upload
- Up to 8 SATA HDDs & CD/DVD-RW, 1 eSATA, 2 USB2.0
- Built-in web server, multi-DVR client, MSS & CMS

## System Connection
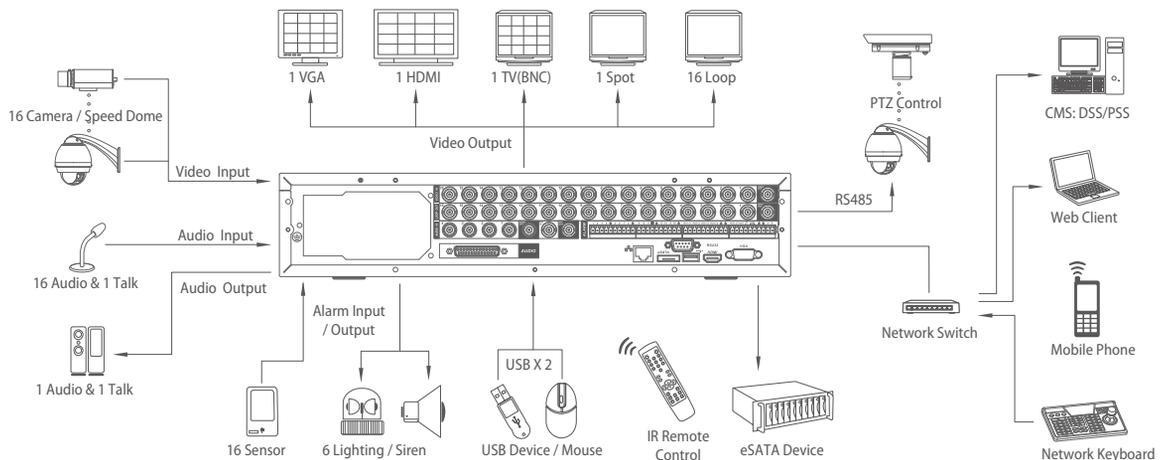


* Take DVR-16HET for the example

## Specifications

| Model | | DVR-04HET | DVR-08HET | DVR-16HET |
|---|---|---|---|---|
| **System** | Main Processor | High performance embedded microprocessor | | |
| | Operating System | Embedded LINUX | | |
| | System Resources | Pentaplex function: live, recording, playback, backup & remote access | | |
| | Control Mode | Front panel, USB mouse, IR remote control, Keyboard, Network | | |
| **Video** | Input | 4 channel, BNC(1.0Vp-p, 75Ω) | 8 channel, BNC(1.0Vp-p, 75Ω) | 16 channel, BNC(1.0Vp-p, 75Ω) |
| | Standard | NTSC(525Line, 60f/s), PAL(625Line, 50f/s) | | |
| | Output | 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω), 1 VGA, 1 HDMI | | |
| | Loop Output | 4 channel | 8 channel | 16 channel |
| **Audio** | Input | 4 channel, BNC(200-2800mV, 30KΩ) | 8 channel, BNC(200-2800mV, 30KΩ) | 16 channel, BNC(200-2800mV, 30KΩ) |
| | Output | 1 channel, BNC(200-3000mV, 5KΩ) | | |
| | Bidirectional Talk | 1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ) | | |
| **Display** | Display Split | 1/4 | 1/4/8/9 | 1/4/8/9/16 |
| | Resolution | 1920×1080, 1280×1024, 1280×720, 1024×768, 800×600 | | |
| | Tour Display | Support | | |
| | Privacy Masking | 4 self-defined four-sided zones for privacy masking for each camera | | |
| | OSD | Camera title, time, video loss, camera lock, motion detection, recording | | |
| **Recording** | Video/Audio Compression | H.264 / G.711 | | |
| | Image Resolution | D1/4CIF(704×576/704×480) / HD1(352×576/352×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120) | | |
| | Encoding Speed | Main Stream: D1/HD1/2CIF/CIF(1~25/30fps) | | |
| | | Extra Stream: CIF/QCIF(1~25/30fps) | | |
| | Bit Rate | 32~2048Kb/s | | |
| | Image Quality | 1~6 level(level 6 is the best, VBR effectively) | | |
| | Recording Mode | Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop | | |
| | Recording Priority | Manual >Alarm >MD >Regular | | |
| | Recording Interval | 1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec. | | |
| **Video Detection & Alarm** | Trigger Events | Recording, PTZ movement, Tour, Alarm, Email, Spot output | | |
| | Motion Detection | Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest) | | |
| | Video Loss & Camera Blank | Support | | |
| | Alarm Input | 4 channel | 8 channel | 16 channel |
| | Relay Output | 6 channel | | |
| **Playback & Backup** | Playback Channel | 1/2/4/All | | |
| | Search Mode | Time/Date, Alarm, Motion Detection & Exact search (accurate to second) | | |
| | Playback Functions | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size) | | |
| | Backup Mode | Flash drive/ USB HDD/ USB CD/DVD-RW / eSATA Device / Built-in SATA burner/ Network download | | |
| **Network** | Ethernet | RJ-45 port (10/100M) | | |
| | Network Functions | TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server | | |
| | Remote Operation | Monitor, PTZ control, Playback, System setting, File download, Log information | | |
| **Hard Disk** | Hard Disk | 8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW, Max 2TB per HDD supported | | |
| | Space Occupation | Audio: 28.8MB/H, Video: 56~900MB/H | | |
| | HDD Management | Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy) | | |
| **Auxiliary Interface** | USB Interface | 2 ports, 1 for mouse control, 1 for backup | | |
| | eSATA | 1 port | | |
| | RS232 | LAN  keyboard, PC communication | | |
| | RS485 | PTZ control | | |
| **Environmental** | Power Supply | AC 100~240 V, 50/60 Hz | | |
| | Power Consumption | 25W | 30W | 40W |
| | Working Environment | -10~+55℃ / 10~90%RH / 86~106kpa | | |
| | Dimension | 2U, 440mm×460mm×89mm(W×D×H) | | |
| | Weight | 6.5KG(without HDD) | | |