



# DVR-4D30X

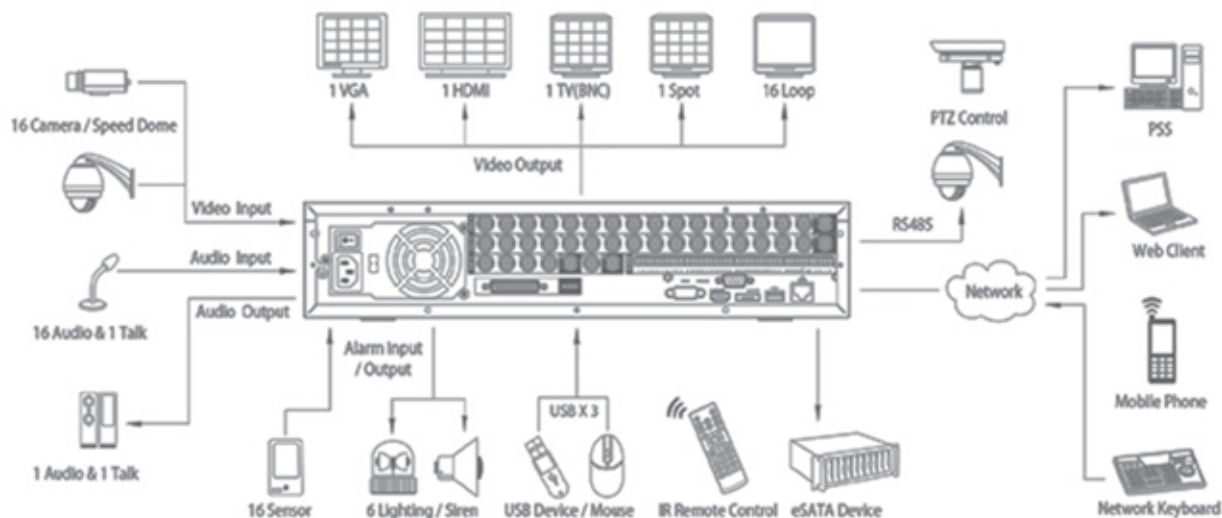
## 4-CH H.264E REALTIME 960H 2U DVR

### Features

- 4 channel Effio 960H 2U standalone DVR
- Dual-cored, The powerful preview, recording, playback
- H.264E Dual-Stream Video Compression
- Pentaflex Operation
- 120 FPS Realtime 960H Recording
- Realtime Synchronized Audio/Video Recording on All Channels
- 4-channel simultaneous realtime playback
- Smart Search
- Loop back video output for every channel
- Matrix video output for Spot monitor applications
- HDMI, VGA, BNC Video Output
- 3D Intelligent positioning with ICRealtime PTZ cameras
- Support two way audio
- Smart Phone Access (iPhone/iPad, Android, Blackberry)
- 1000M Network
- Central management software for viewing/managing multiple DVRs



### Overview



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## Specifications

| System                  |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| Main Board Processor    | High performance embedded dual core microprocessor                             |
| Operation 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                   |                                                                                |
| Standard                | NTSC/PAL, Effio 960H                                                           |
| Input                   | 4 channel, BNC(1.0Vp-p, 75 $\Omega$ )                                          |
| Output                  | 1 TV, 1 Spot, BNC(1.0Vp-p, 75                                                  |
| Loop Output             | 4 channel                                                                      |
| Audio                   |                                                                                |
| Input                   | 4 channel, BNC(200-2800mV, 30K $\Omega$ )                                      |
| Output                  | 1 channel, BNC(200-3000mV, 5K $\Omega$ )                                       |
| Bidirectional Talk      | 1 channel Input, BNC(200-2800mV, 30K $\Omega$ ), 1 channel Output, BNC(200-    |
| Display                 |                                                                                |
| Display Split           | 4-Jan                                                                          |
| Resolution              | 1920x1080, 1280x1024, 1280x720, 1024x768, 800x600                              |
| Tour Display            | Yes                                                                            |
| 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             | H.264 / G.711                                                                  |
| Image Resolution        | 960H(960x576/960x480)/D1/4CIF(704x576/704x480) /                               |
| Encoding Speed          | Main Stream: 960H/D1/HD1/2CIF/CIF(1~25/30fps)                                  |
|                         | Extra Stream: QCIF(1~25/30fps), CIF(1~6/7fps)                                  |
| Bit Rate                | 32~4096Kb/s                                                                    |
| Image Quality           | 1~6 level(level 6 is the best, VBR effectively)                                |
| Recording Mode          | Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection,    |
| 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(22x18), Sensitivity: 1~6 (level 6 is highest)                       |
| Video Loss & Camera     | Yes                                                                            |
| Alarm Input             | 4/8/16 Channel (Dry Contact, NO/NC)                                            |
| Relay Output            | 6 channel (1x12V relay)                                                        |
| Playback & Backup       |                                                                                |

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|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Playback Channel           | 1,2,4                                                                           |
| 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 |
| Backup Mode                | Flash drive/ USB HDD/ USB CD/DVD-RW / eSATA Device / Built-in SATA              |
| <b>Network</b>             |                                                                                 |
| Ethernet                   | RJ-45 port (10/100M/1000M)                                                      |
| 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  |
| <b>Hard Disk</b>           |                                                                                 |
| Hard Disk                  | 8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW/Blu-Ray, Max 3TB per HDD           |
| HDD Usage                  | Audio: 28.8MB/H, Video: 56~1800MB/H                                             |
| HDD Management             | Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)           |
| <b>Auxiliary Interface</b> |                                                                                 |
| USB Interface              | USB2.0: 3 ports, 1 for mouse control, 2 for backup                              |
| eSATA                      | 1 port Recording & Backup                                                       |
| RS232                      | ICRealtime keyboard, PC communication                                           |
| RS485                      | PTZ control                                                                     |
| <b>Environmental</b>       |                                                                                 |
| Power Supply               | AC 100~240 V, 50/60 Hz                                                          |
| Power Consumption          | 25/30/40W                                                                       |
| Working Environment        | 14°F~130°F/-10°C~+55°C / 10~90%RH / 86~106kpa                                   |
| Dimension                  | 440mmx460mmx89mm(WxDxH)                                                         |
|                            | 17.3"x16.9"x3.5" (WxDxH) 2U Standard Case                                       |
| Weight                     | 25LB/11.0KG (without HDD)                                                       |

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