



### Features

- Max. Recording 120fps(NTSC)/100fps(PAL)
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- 16ch Video Loop-Back & 1 VGA, 1 SPOT
- 4ch Audio Input / 1ch Output
- Easy Control interface  
: Front Key board / Remote controller / USB Mouse
- Support SATA interface 3 HDD / 1 DVDRW (\*Optional)
- Support DDNS server and Web server (with ActiveX)



### HDx Series System Diagram



| Model       |                              |                  | HDE2412                                                                                                                                                                             |
|-------------|------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video       | Input                        | Composite        | 8Ch, 1.0Vp-p, 75Ω                                                                                                                                                                   |
|             |                              | Signal Format    | NTSC/PAL                                                                                                                                                                            |
| Audio       | Output                       | Main Monitor     | Composite 1CH BNC, 1CH VGA, 1CH Spot                                                                                                                                                |
|             |                              | Output Level     | Composite, 1.0Vp-p, 75Ω                                                                                                                                                             |
|             |                              | Loopback Output  | 8CH BNC, 1.0Vp-p, 75Ω                                                                                                                                                               |
| Audio       | Input & Output / Audio Codec |                  | 4CH RCA type Line input / 1CH RCA type Line Output / ADPCM                                                                                                                          |
| Recording   | Compression Format           |                  | H.264 Baseline Profile                                                                                                                                                              |
|             | Compression Rate             |                  | 4 Step Selectable                                                                                                                                                                   |
|             | Frame Rate (NTSC/PAL)        |                  | D1 : 720x480 / 720x576 MAX. 30 / 50fps<br>Half D1 : 720x240 / 720x288 MAX. 60 / 50fps<br>CIF : 360x240 / 360x288 MAX. 120 / 100fps                                                  |
|             | Recording Mode               |                  | Time Continuous / Schedule / Event / Emergency REC                                                                                                                                  |
|             | Motion Detection             |                  | Each Channel Area Selectable                                                                                                                                                        |
| Display     | Display Rate                 |                  | Real time Display per Camera                                                                                                                                                        |
|             | Multi-screen Display         |                  | 1 / 4 / 6 / 8 / PIP / Digital Zoom / Auto Sequence                                                                                                                                  |
| Playback    | Display Mode                 |                  | 1 / 4 / 6 / 8 / Digital Zoom                                                                                                                                                        |
|             | Playback Mode                |                  | Normal Playback, Various playback speed (Forward and Backward)                                                                                                                      |
|             | Search Mode                  |                  | Archived data Search, Data/Time, Calendar, Event                                                                                                                                    |
| Event       | Sensor Input                 |                  | 8 TTL (Terminal Block NO/NC Programmable)                                                                                                                                           |
|             | Alarm Output                 |                  | 2 Relay, 2 TTL (Terminal Block NO/NC Programmable)                                                                                                                                  |
|             | Pre-Alarm Recording          |                  | Max. 30 sec.                                                                                                                                                                        |
|             | Post-Alarm Recording         |                  | Max. 1 Min.                                                                                                                                                                         |
| Language    | Multi-Language               |                  | English, Korean, Spanish, German, Netherlandish, Japan, French, Italian, Turkish, Greek, Russian, Czech, Slovak, Polish, Portuguese, Traditional Chinese, Simplified Chinese        |
| Storage     | Internal HDD                 | Interface Type   | 3 SATA type HDD                                                                                                                                                                     |
|             |                              | Max HDD Capacity | Support 1TB                                                                                                                                                                         |
|             | Internal ODD                 | Interface        | 1 SATA Type ODD                                                                                                                                                                     |
| Backup      | Data Exporting               | USB / ODD        | USB Memory & External USB HDD, Clip copy for Quick Time (mov) / CD-R, CD-RW, DVD-RW *Option                                                                                         |
| Serial Port | PTZ Camera Control           |                  | 1 RS-485, 1 RS-232                                                                                                                                                                  |
| Operation   | Control Applications         |                  | Via Front Consol Control, USB Mouse, Remote Controller, TCP/IP (Network)                                                                                                            |
| Network     | Remote Access Interface      |                  | Support Same Local Control Interface                                                                                                                                                |
|             | Remote Access Tools          |                  | ActiveX Base Web Live & Search / HDx Viewer and CNB CMS Access (Live, Setting, Search, Recoding, ETC.) / Event Alarm Callback, Remote Site System Check with HDx Viewer and CNB CMS |
|             | DDNS Service                 |                  | Support by CNB DDNS Server (Free)                                                                                                                                                   |
|             | Network Interface            |                  | 10/100 base-T Ethernet (RJ-45)                                                                                                                                                      |
|             | System Time Sync.            |                  | Support Network Time Protocol                                                                                                                                                       |
| Other       | Power                        |                  | DC12V, 6.67A, 80W                                                                                                                                                                   |
|             | Dimensions (WxHxD)           |                  | 430 x 95 x 419 (mm)                                                                                                                                                                 |

## DIMENSIONS

