1.0 Megapixel 720P HDCVI IR Dome Camera

**FEATURES**

- 1/4" OV 1.0 Megapixel CMOS Sensor
- 14u x 18 pcs IR-LED, IR Range 20M
- Built-in 3.6mm Board Lens
- Day / Night (ICR) AGC, BLC, AES

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>HDCV100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick up Element</td>
<td>1/4” OV 1.0 Megapixel CMOS Sensor</td>
</tr>
<tr>
<td>Horizontal Resolution</td>
<td>720P</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>0.01 Lux/F1.2</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>More than 50dB</td>
</tr>
<tr>
<td>Scanning System</td>
<td>2:1 interlace</td>
</tr>
<tr>
<td>Synchronous System</td>
<td>Internal, Negative sync.</td>
</tr>
<tr>
<td>Auto Electronic Shutter</td>
<td>NTSC: 1/60s<del>1/100,000s, PAL: 1/50s</del>1/100,000s</td>
</tr>
<tr>
<td>Gama Characteristic</td>
<td>0.45</td>
</tr>
<tr>
<td>IR Distance</td>
<td>20 Meters (with 14x18 Unit Infared LED)</td>
</tr>
<tr>
<td>IR Power On</td>
<td>Photodiode Auto Control</td>
</tr>
<tr>
<td>Video Output</td>
<td>CVI</td>
</tr>
<tr>
<td>Auto Gain Control</td>
<td>Auto</td>
</tr>
<tr>
<td>Power/Current</td>
<td>DC12V(+/-10%)/ 500mA</td>
</tr>
<tr>
<td>Lens</td>
<td>Board Lens 3.6mm/F2.0</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>90.5 (W) x 80(H) x 80(D)</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>300</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-30~ +60°C</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10~ +50°C</td>
</tr>
</tbody>
</table>
Lite Series | DHI-XVR4104/08/16HS

DHI-XVR4104/08/16HS
4/8/16 Channel Penta-brid 720P Compact 1U Digital Video Recorder

System Overview

Dahua, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present XVR. As the perfect solution to upgrade existing video surveillance systems, XVR supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. It supports up to 4/8/16 channels of HDCVI/AHD/TVI/CVBS inputs, and 1/2/2 channels IP camera additionally, 16 channels local live-view channels, and 16 playback channels.

Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

Functions

HDCVI/AHD/TVI/CVBS Auto-detect
The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

SMP Resolution
The XVR supports SMP HD resolution (2560 x 1920) IPC input for recording, live viewing.

Smart Search
This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

P2P
Monitor at anytime and anywhere. Easily and conveniently manage the device.

- Embedded processor
- H.264 video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5/10/18 channels IP camera inputs
- Long transmission distance over coax cable
- Support 1 SATA HDD, up to 6TB

www.dahuasecurity.com
## Technical Specification

### System
- **Main Processor**: Embedded Processor
- **Operating System**: Embedded LINUX

### Display
- **Interface**: 1 HDMI, 1 VGA
- **Resolution**: 1920×1080, 1280×1024, 1280×720, 1024×768
- **Multi-screen Display**: 4CH: 1/4/6, 8CH: 1/4/8/9/16, 16CH: 1/4/8/9/16/25
- **OSD**: Camera title, Time, Video loss, Camera lock, Motion detection, Recording

### Video Detection and Alarm
- **Trigger Events**: Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
- **Video Detection**: Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
- **Alarm input**: N/A
- **Relay Output**: N/A
- **Tracking Trigger Event**: N/A

### Playback and Backup
- **Playback**: 4CH: 1/4, 8CH: 1/4/9, 16CH: 1/4/8/9/16
- **Search Mode**: Time /Date, Alarm, MD and Exact Search (accurate to second)
- **Playback Function**: Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
- **Backup Mode**: USB Device/Network

### Storage
- **Internal HDD**: 1 SATA Port, up to 6TB capacity
- **HDD Mode**: Single
- **eSATA**: N/A

### Auxiliary Interface
- **Front Cover**: N/A
- **USB**: 2 USB Ports (2 USB 2.0)
- **RS232**: N/A
- **RS485**: 1 Port, for PTZ Control

### Third-party Support
- **Third-party Support**: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more

### Audio and Video
- **HDCVI Camera Input**: 4/8/16 Channel
- **IP Camera Input**: 4+1: each channel up to 2MP, 8+2/16+2: each channel up to 5MP
- **Audio In/Out**: 1/1
- **Two-way Talk**: Reuse audio in/out, RCA

### Recording
- **Compression**: H.264
- **Resolution**: 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
- **Record Rate**: Main Stream: 4CH:1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps), 8/16CH:1080N(12fps)/720P(15fps)/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps), Sub stream:D1/CIF/QCIF (1~25/30fps)
- **Bit Rate**: 1Kbps ~ 6144Kbps Per Channel
- **Record Mode**: Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
- **Record Interval**: 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

### Network
- **Interface**: 1 RJ-45 Port (100M)
- **Max. User Access**: 128 users
- **Smart Phone**: iPhone, iPad, Android
- **Interoperability**: ONVIF 2.4.1, CGI Conformant

### Electrical
- **Power Supply**: DC12V/2A
- **Power Consumption**: <10W (Without HDD)

### Environmental
- **Operating Conditions**: -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
- **Storage Conditions**: 0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH

### Construction
- **Dimensions**: Compact 1U, 260×236×48mm(10.2"×9.3"×1.9")
- **Net Weight**: 0.75kg (1.7lb) (without HDD)
- **Gross Weight**: 1.5kg (3.3lb)
- **Installation**: Desktop installation

### Certifications
- **Certifications**: FCC: Coming soon, UL: Coming soon
## Ordering Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/8/16 Channel XVR</td>
<td></td>
<td></td>
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<tr>
<td>DHI-XVR4104HS</td>
<td>4 Channel Penta-brid 720P Compact 1U Digital Video Recorder</td>
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<tr>
<td>DHI-XVR4108HS</td>
<td>8 Channel Penta-brid 720P Compact 1U Digital Video Recorder</td>
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<tr>
<td>DHI-XVR4116HS</td>
<td>16 Channel Penta-brid 720P Compact 1U Digital Video Recorder</td>
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### Dimensions (mm)

![Dimensions Diagram]