

# HD-CVI 4 Channels 720P HD STANDALONE DVR SYSTEM



- HD-CVI DVR only works with HD-CVI Cameras
- 4 CH 720p Real-Time Recording
- VGA / HDMI Output
- 1 CH Audio-in & output



**SMART  
PHONE  
COMPATIBLE**

 iDMSS HD Lite

 GDMSS Lite

The CHR series are excellent digital monitor product designed for security field and adopt embedded Linux OS to maintain reliable operation. CHR series are easy to use with simple setup and have various functions such as record, playback, monitor at the same time and can guarantee audio video synchronization. CHR series built with advanced technology and strong network data transmission function.

The CHR series adopt embedded design for maximum security and reliability, they can be widely used in various areas such as banking, telecommunication, electric power, interrogation, transportation, intelligent resident zone, factory, warehouse, resources, and water conservancy.



Back

## MOBILE PHONE APP AVAILABLE

iPhone, iPad : iDMSS HD Lite / Android : GDMSS Lite

## USE ALL VIDEO OUTPUT SIMULTANEOUSLY

It has VGA and HDMI output. You can use monitor to display surveillance function. System supports VGA/HDMI output simultaneously.

## SECURE VIDEO FORMAT

Specialized data format to guarantee data security and can avoid unwanted data modification.

## COMPRESSION FORMAT

Support multiple-channel audio and video. An independent hardware decodes audio and video signal from each channel to maintain their synchronization.

## BACKUP FUNCTION

Support backup operation via USB port (such as flash disk, portable HDD, DVD burner). Client-end user can also perform backup via network.

## RECORD PLAYBACK FUNCTION

Support each channel real-time record independently, and at the same time it can support search, playback, network monitor, record search, download and etc.

Support various playback modes: slow play, fast play, backward play and frame by frame play. Support timestamp overlay so that you can view event accurate occurred time. Support specified zone enlargement.

## NETWORK OPERATION

Support network remote real-time monitor, remote record search and remote PTZ control.

## PTZ CONTROL

Support PTZ decoder via RS485. Support various decode protocols to allow the PTZ to control the speed dome.

## UPNP

It is to establish the mapping relationship between the LAN and the WAN via the UPnP protocol.



Accessories

# HD-CVI 4 Channels

## 720P HD STANDALONE DVR SYSTEM



### SPECIFICATIONS

|                      |                          |   |                                       |
|----------------------|--------------------------|---|---------------------------------------|
| System               | Main Processor           | High-performance industrial embedded micro controller   |                                       |
|                      | OS                       | Embedded LINUX  |                                       |
|                      | System Resources         | Multiplex operations: Multiple-channel record, multiple-channel playback and network operation simultaneously   |                                       |
|                      | Interface                | User-friendly graphical user interface  |                                       |
|                      | Input Devices            | USB mouse   |                                       |
|                      | Input Method             | Arabic number, English character  |                                       |
|                      | Shortcut Function        | Copy/paste operation, USB mouse right-key shortcut menu, double click USB mouse to switch screen.   |                                       |
| Compression Standard | Video Compression        | H.264   |                                       |
|                      | Audio Compression        | G711A, G711U, PCM   |                                       |
| Video Monitor        | Video Input              | 4-CH composite video input: (NTSC/PAL) BNC (1.0Vp-p, 75Ω)   |                                       |
|                      | Video Output             | 1-ch VGA output.<br>1-ch HDMI output.<br>Support VGA/HDMI video output at the same time.  |                                       |
|                      | Video Standard           | Support PAL/NTSC.   |                                       |
|                      | Record Speed             | Real-time Mode: PAL 1f/s to 25f/s per channel and NTSC 1f/s to 30f/s per channel  |                                       |
|                      | Video Partition          | 1/4 windows(Optional)   |                                       |
|                      | Monitor Touring          | Support monitor tour functions such as motion detection, and schedule auto control.   |                                       |
|                      | Resolution (PAL/NTSC)    | PAL/NTSC Real-time monitor: 720p 1280×720<br>Playback:<br>All-ch: 720P 1280×720, 960H 960×576/960×480, D1 704×576/704×480, HD1 352×576/352×480, 2CIF 704×288/704×240, CIF 352×288/ 352×240 , QCIF 176×144/176×120<br>Support dual streams: extra stream resolution CIF 352×288/ 352×240, QCIF 176×144/176×120 |                                       |
|                      | Image Quality            | 6-level image quality (Adjustable)  |                                       |
|                      | Privacy mask             | Support one privacy mask of user-defined size in full screen. Support max 4 zones   |                                       |
|                      | Image Information        | Channel information, time information and privacy mask zone.  |                                       |
|                      | TV Adjust                | Adjust TV output zone suitable to anamorphic video.   |                                       |
|                      | Channel Lock             | Cover secret channel with black screen though system is encoding normally. Screen-lock function to prevent unauthorized user seeing secret video.   |                                       |
|                      | Channel Information      | Channel name, recording status, screen lock status, video loss status and motion detection status are shown on the bottom left of display screen.   |                                       |
|                      | Color Configuration      | Hue, brightness, contrast, saturation and gain setup for each channel.  |                                       |
|                      | Audio                    | Audio Input   | 1-ch 200-2000mv 10KΩ(RCA)             |
|                      |                          | Audio Output  | 1-ch audio output 200-3000mv 5KΩ(RCA) |
|                      |                          | Bidirectional Audio   | Reuse the audio input/output channel. |
| Hard Disk            | Hard disk                | 1 built-in SATA port. Support 1 HDD.  |                                       |
|                      | Max. Capacity per SATA   | 4TB   |                                       |
|                      | Hard Disk Occupation     | Audio:PCM 28.8MByte/h<br>Video:56-900MByte/h  |                                       |
| Record and Playback  | Recording Mode           | Manual recording, motion detection recording, schedule recording and alarm recording<br>Priority: Manual recording> alarm recording> motion detection recording>schedule recording.   |                                       |
|                      | Storage Mode             | Support channel record quota setup  |                                       |
|                      | Recording Length         | 1 to 120 minutes single record duration (Default setup is 60 minutes)   |                                       |
|                      | Playback Repeat Way      | When hard disk is full, system can overwrite previous video file.   |                                       |
|                      | Record Search            | Various search engines such as time, type and channel.  |                                       |
|                      | Playback Mode            | Various fast play, slow play speeds, manual frame by frame playback and reverse play mode.  |                                       |
|                      | Various File Switch Ways | Can switch to previous or next file or any file in current play list.<br>Can switch to file on other channel of the same time. (If there is a file) Support file continuous play, when a file is end system auto plays the next file in the current channel   |                                       |

|                            |  |  |
|----------------------------|--|--|
| Record and Playback        | Playback Way   | Support mark playback  |
|                            | Multi-channel Playback   | There is 1/4-channel playback mode.  |
|                            | Window Zoom  | Switch between self-adaptive screen/full screen when playback  |
| Backup Function            | Partial Enlargement  | When in one-window full-screen playback mode, you can select any zone to activate partial enlargement function.  |
|                            | Backup Mode  | HDD backup<br>Support peripheral USB backup device. (Flash disk, portable disk and etc.)<br>Support network download and save  |
|                            | Network Function   | Network control<br>View monitor channel remotely.<br>DVR configuration through client-end and web browser<br>Upgrade via client or browser to realize remote maintenance.<br>View alarm information such as motion detection and video loss via client.<br>Support network PTZ lens control<br>File download backup and playback<br>Multiple devices share information via corresponding software such as professional surveillance software (PSS)<br>Duplex transparent COM<br>Network alarm input and output<br>Zero-channel encoding.<br>Bidirectional audio. |
| Motion Detection and Alarm | Motion Detection   | Zone setup: support 396((PAL 22×18, NTSC 22×15)) detection zones. Various sensitivity levels.<br>Alarm can activate record or external alarm or screen message prompt.   |
|                            | Video Loss   | Alarm can activate screen message prompt.  |
|                            | External Alarm   | N/A  |
|                            | Manual Alarm Control   | N/A  |
|                            | Alarm Input  | N/A  |
|                            | Alarm Output   | N/A  |
|                            | Alarm Relay  | N/A  |
| Interface                  | USB Interface  | 2×USB 2.0 port.  |
|                            | Network connection   | RJ45 10M/100M self-adaptable Ethernet port   |
|                            | RS485  | PTZ control port<br>Support various PTZ control protocols.   |
|                            | RS232  | N/A  |
| System Information         | Hard Disk Information  | Display HDD current status   |
|                            | Data stream statistics   | Data Stream Statistics for each channel (in wave mode)   |
|                            | Log statistics   | Backup to 1024 log files<br>Support various search engines such as time and type   |
|                            | Version  | Display version information: channel amount, system version and release date   |
| User Management            | On-line user   | Display current on-line user   |
|                            | User Management  | Multi-lever user management; various management modes Integrated management for local user, serial port user and network user. Configurable user power.<br>Support user/group and its corresponding rights modification. No limit to the user or group amount.   |
|                            | Password Authentication  | Password modification<br>Administrator can modify other user's password.<br>Account lock strategy<br>Five times login failure in thirty minutes may result in account lock.  |
| Upgrade                    | Web browser, client-end and update tool.   |  |
| Login, Logout and Shutdown | Password login protection to guarantee safety<br>User-friendly interface when login. Provide the following options: Logout /shutdown/ restart.<br>Right authentication when shut down to make sure only those proper people can turn off DVR |  |
| General Parameter          | Power  | DC 12V   |
|                            | Power Consumption  | ≤15W (With adapter, exclude HDD)   |
|                            | Working Temperature  | -10°C +55°C (14°F ~ 131°F)   |
|                            | Working Humidity   | 10%-90%  |
|                            | Air Pressure   | 86kpa-106kpa   |
|                            | Dimension  | 1.279(W) 9.65(D) 1.77(H)inch (325(W) x 245(D) x 45(H)mm)   |
|                            | Weight   | 2.76 lbs / 1.25Kg (Exclude HDD)  |
| Installation Mode          | Desktop installation   |  |