

Chipatronic Digital Video Recorders (DVRs) are designed for use in commercial and industrial vehicles where constant recording from 1 or more cameras is required. The AHD DVR systems are available in either 4 channel or 8 channel with each channel/camera being individually configured.

## Improved Video Resolution

The CH-AHDVR4 and CH-AHDVR8 series are analogue input systems which can use either standard CVBS cameras or high definition AHD cameras for higher resolution video files. Systems can record at up to 1080P Full HD or 720P HD based on the cameras to be used.



## Direct Upgrade of Older Models

These DVRs will work with existing cameras and cabling and by replacing selected cameras with new AHD versions, older DVRs can be upgraded easily and without the need for total replacement of all previous hardware.

## Camera Selection

A range of AHD cameras with either 1280\*960P or 1920\*1080P resolution are available to suit these or where replacing an older system, can retain the current CVBS cameras where current video quality is sufficient.



The AHD DVRs are in the same form factor as all our other hard disk systems and can support up to 2TB hard drives plus SD card up to 256GB as backup or to copy and transfer files.

Video output via either HDMI or CVBS is standard allowing the use of newer display technologies and customised programming to provide switchable views on an in-cab monitor.



### Features:

- High resolution video recording: 720P - 1080P
- 4 or 8 analogue camera inputs, either AHD or CVBS
- Up to 8 channels of full motion video and audio
- Wide voltage range; 8 - 32V for trucks and buses
- HDD storage up to 2TB with SD backup
- Ignition power start - stop with selectable delay off
- Remote access via Wi-Fi with 4G mobile optional

Contact us with your requirements and to find your nearest distributor for sales and installation.



## Key Specifications

**Analogue Video Input** 4/8 Channels AHD @ 1080P, 720P or CVBS @ 540P  
1 Digital HD input-CH-AHDVR8 series only

**Video Output** 1 HDMI or 1 CVBS (with included cable) Single screen or multi-screen view selectable.  
Switchable single screen views can be configured.

**Audio Input** 4/8 channel audio input with audio enabled cameras

**Video Recording** 1920x1080, 1280x720/960x540 30fps with selectable Bitrate from 100 - 8000kbps for each camera

**Video File Format** AVI - This file format can be played using standard software

**Alarm** 3 input sensors (voltage) can be configured. External Event Button can be added (optional), G-Sensor can be configured. Alarms can be used to switch video output from DVR to monitor.

**Setup** Setting can be adjusted using OSD with USB mouse (monitor required)

**Storage** Hard Drive up to 2TB SSD with SD card as backup (max 256GB).

**Communication** RS232 for GPS, RS485 for alarms/sensors, RJ45 port, 2 x USB 2.0 port, SD slot.  
USB can be used for storage or mouse.

**Wireless** Wi-Fi or 4G modem can be added (optional) for remote access using CMSv6.  
Wi-Fi: 802.11 b/g/n

**Location** GPS can be added for location, speed data which is embedded into video file. Location shown as GPS coordinates.

**Identification** DVR can have vehicle rego., Unit ID or name setup for easy ID.  
Cameras can be individually re-named for view ID.

**Power** 8-32 VDC with ignition control and adjustable delayed shutdown on ignition off. DVR will record for pre-set period to allow staff to exit the surrounding area or as security.  
Power output to cameras 10.5V/1.5A (4 cameras).

**Video Playback** Files are AVI format and can be played using common media players. VLC is recommended. *HPlayer* software for multiple playback and map view. Available as free download.  
If using CMSv6 saved video files can be re-played on Smartphone or Windows PC.

**Time** Time setting can be synchronised with GPS or manually set with internal clock.

**Cameras** AHD cameras with 4 Pin aviation connectors or CVBS cameras with 4 pin aviation connectors can be used. DVR will detect video signal automatically. 4 x 1080P max.

**Cables** Standard 4 Pin camera extension cables for all cameras will connect directly to the DVR.

Please contact Chipatronic for further details on available cameras and options or for information regarding wireless options.