

Chipatronic Mobile Digital Video Recorders (MDVRs) are used in industrial and commercial vehicles to record video which is stored on either an SSD hard drive or SD Card internally. Updated hardware now allows wireless connection via Wi-Fi or with mobile access using 4G available as an option.

All **CH-AHDV4** series MDVRs can use high definition AHD cameras for high resolution video files recording at either 1080P Full HD or 720P HD as well as supporting older, CVBS cameras at lower resolution. Each channel configuration is automatically set based on the cameras being used with individual configurations able to be individually customised if required.

Wireless Access

By using our **CMS** cloud server solution, any MDVR host which is connected to the Internet by either Wi-Fi or 4G mobile can be checked remotely using a Smartphone or Windows computer using a free app. The status of the host can be seen (online or offline), with the location and speed of the vehicle shown (if GPS module is fitted) and a video preview from the onboard cameras can also be seen. Saved video files from the host can be replayed directly on a Smartphone but can only be downloaded and saved using the Windows PC software should a copy be required immediately.

A company **CMS** account is required to gain access to the platform with each vehicle then requiring a server licence to be added in to the vehicle list.

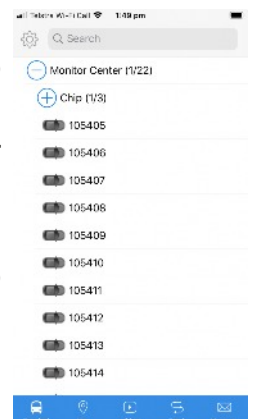
Wi-Fi access is only possible while the host device is within adequate range of a WLAN to which it has been connected while 4G provides access anywhere within the mobile network footprint. Both systems work using data transfer and as such care should be taken to ensure that appropriate provision is made for the intended use as mobile data has much higher costs and may be slower in areas where network congestion is present.



Fleet Management with CMS

Using the **CMSv6** app, authorised users are able to view a complete list of vehicles, check their status and for online units, see the location and view video preview which can show the load, traffic conditions or other views from any of the cameras fitted.

Maintenance staff can have access to this so that vehicle DVR systems can be checked quickly and easily to ensure that all cameras are working and that the view is correct as these can be bumped or moved from the original position.



All key specifications for wireless MDVRs are the same across all models with the additional of Wi-Fi and/or 4G.

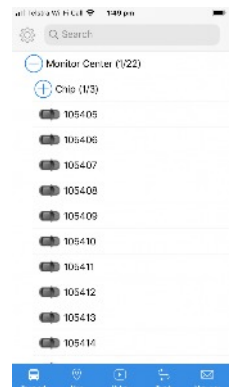
Wi-Fi	IEEE 802.11b/g/n Dual mode: Client or Access Point (AP)
Band	2.4GHz
4G	LTE Supporting Bands B1, B2, B3, B4, B5, B7, B8, B28 Max 150Mbps
Antennas	Glass mount self adhesive. Omni-directional with MCX connector
Cameras	AHD cameras with 4 Pin aviation connectors or CVBS cameras with 4 pin aviation connectors can be used. DVR will detect video signal automatically. 720P or 1080P AHD cameras are recommended.
Local Connection	Browser interface can connect to each MDVR using device IP address which may be configured in Network Settings. This allows access to the Main Menu to view and update the device settings. Connection via Ethernet or Wi-Fi.
Remote Connection	CMS Server allows a connection to each device via the Internet from a Smartphone or Windows PC running the <i>CMSv6</i> application. A CMS account will be required and each device/vehicle requires an individual licence.



CMS is a cloud server system to which the MDVR host devices connect whenever they have access to the Internet, either, via Wi-Fi or by 4G mobile depending on the device and available networks.

Users have a logon to the server which can be through a Windows PC or a Smartphone with the *CMSv6* app installed.

- Each host must have a corresponding entry in the server, requiring an access licence for each vehicle.
- 4G requires an *M2M* service (SIM card) and a data plan which can be provided by Chipatronic with charges applying.
- Wi-Fi access will only be possible while connected to a WLAN and IT support will be required for this.
- Wi-Fi downloading of files automatically is possible but will require professional IT planning.
- Direct connection to Wi-Fi MDVRs is possible with each MDVR in *Access Point* mode.



Please contact Chipatronic for further details on MDVR systems to suit your business.