

NEW HPC2 Programmable Cameras

The **HPC2** range of cameras brings all of the features of our original, groundbreaking range with easier programming and new features.

What's different?

Our new series 2 cameras are all 1080P AHD by default and can be changed to other HD formats; TVI, CVI in 1080P and 720P variations + CVBS Standard Definition in PAL or NTSC. The original series 1 hybrid cameras were 720P AHD by default with CVBS available.

The programming is usually done using a joystick on the cable but this is not compatible with the series 1 cameras and vice versa.

All programming is now menu based so having a test screen is very important and we recommend using one of the battery powered CCTV Testers that we stock so that this can be done easily, even after installation.

Note that for technical reasons certain cameras can only have selectable features/functions using small wire loops.



Why use HD?

Analogue video is still far better for use on vehicles but with various signal formats in use it can be confusing and difficult to match cameras and displays. The **HPC2** cameras can be set in either 720P or 1080P HD and in 2 frame rates to allow the video signal to be matched to the display. The default setting is 1080P 25 fps AHD for extra high quality video and can also be changed back to traditional composite video (CVBS or standard definition) with both PAL and NTSC available by selection in the menu.

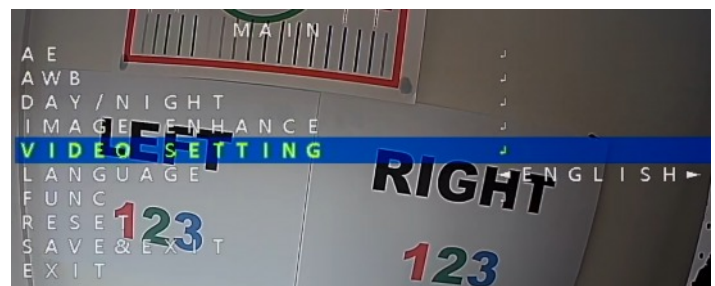
For use in vehicles the most common video modes will be either AHD or CVBS and when in AHD mode they will only work with AHD enabled monitors which are standalone units while CVBS is commonly used in head unit displays (in-dash) and older displays.

All standard cables are fine to use in either mode so no changes to cabling should be required.

Chipatronic has a range of monitors to suit most vehicles and applications as well as Digital Video Recorders (DVRs) which are all suitable to use with the HPC2 cameras.

Programming is carried out using a special programming cable and can be carried out by Chipatronic authorised installers only but cameras can be ordered with video selection as required.

The camera menu allows a range of settings to be changed to suit almost any standard aftermarket installation but may not suit OE devices.



Our range of AHD compatible monitors all feature higher resolution LCD displays to take advantage of the AHD video capability and can also be used with existing CVBS cameras.

Cameras

All our Series 2 hybrid cameras have similar hardware specifications but some differences in the images will be found as the lens and setup varies between devices. Some cameras can be supplied with narrow lenses for better images at medium distance which is used for full-time rear vision.

1/3" Colour CMOS Sensor | 120° or 60° Lens (on selected cameras) | AHD-CVBS Selectable * | 720P AHD | 700TVL CVBS | PAL or NTSC selectable via program menu* | Mirror image with Real image selectable via program menu* | 4 Pin Aviation connector (female)

* Mode and setting changes require use of separate programming cable

CH-HPC2-1SB

Small box style camera with bracket for utilities, trucks and commercial vehicles. No IR, requires some light to work but remains full colour. Black only.



CH-HPC2-1MB + CH-HPC2-1MW

Mid-size, heavy duty box style camera with bracket mounting suitable for caravans, trucks and commercial vehicles. IR night vision to 5m on standard lens 120° version but no IR on 60° as this is for rear vision.

120° **CH-HPC2-1MB** Black, **CH-HPC2-1MW** White
60° versions: **CH-HPC2-1MB50** **CH-HPC2-1MW50**



CH-HPC2DB + CH-HPC2DW

Dual Camera with wide angle for reverse (120°) and narrow angle for rear-vision (60°) to suit caravans, motorhomes, trade vehicles with canopies etc.. This is a unique, locally assembled camera package supplied with 2:1 cable adaptor and stainless steel bracket to suit a single 4 core cable installation.

CH-HPC2DB Black, **CH-HPC2DW** White



CH-HPC2-1WD + CH-HPC2-1BD

Surface mounting, dome camera suitable for caravans etc. with vertical adjustment of the camera inside the housing. IR night vision to 10m.

120° **CH-HPC2-1WD** White, **CH-HPC2-1BD** Black. 60° versions: **CH-HPC2-1WD50** **CH-HPC2-1BD50**



HPC2-JPC

Joystick programmer cable with Up, Down, Left, Right movements to navigate through the menu and press the centre for selection.

CH-HPC2-EW

Surface mounted "eyeball" style camera suitable for side mounting on trucks, buses and caravans. IR night vision to 10m. White. Standard lens 120° for wide angle view.

This camera has 3 selectable functions using wire loops and cannot be used with the programmer.

AHD to CVBS - Mirror to Real image - NTSC - PAL video



Please check our range of monitors for suitable displays.