

CAMERA SELECTION FOR MDVR SYSTEMS

There is a wide choice of cameras for your DVR and it is important to select the cameras which best suit your vehicle and the area which are to be in view.

Chipatronic have standard cameras which are shown below but can also provide additional options if required with different body style, lens, sensor being the common features requiring change.

1) Internal Cameras

These are cameras which will be mounted inside the vehicle; cab, salon, load space etc..

(a) Windscreen - Forward Facing

These cameras can be mounted directly on the inside of the glass using the 3M double-sided tape included or the bracket can be attached to a hard surface using screws.

These provide a forward facing view like a dashcam and do not have IR night vision.



CH-IC4.3 1080P AHD, 2.5mm lens with audio input.

High quality images and the standard choice for regular vehicles. Smaller size (body 36 x 29mm) with adjustable mounting bracket.



CH-IC5.21-WDR Sony IMX307 chipset, 1080P AHD with WDR making this suitable for situations with lighting disparity (bright & dark areas close together) plus audio input. 2.1mm lens with audio input. This camera is the best choice for night work or underground use. Slightly larger size (body 51 x 40mm) with a multi-mode bracket.



CH-WSC.1 Sony IMX307 chipset, 1080P AHD, 2.8mm lens, audio input.

Windscreen mount with shell design to stop any interior light from reaching the lens. 3m long cable to go across the dash, lens adjustment from the side to suit the windscreen rake. Shell size: 74 x 51 x 39.

(b) Cabin - Salon

For use inside the cabin of trucks or in the salon of buses these cameras have IR night vision and are usually surface mounted.



CH-IC4IRA.3 1080P AHD, 2.5mm lens with IR LEDs and audio input. High quality images with night vision and flexible mounting. Smaller size (body 36 x 29mm) with adjustable mounting bracket.



CH-BDC.1 Sony IMX307 chipset, 1080P AHD, 3.6mm lens with IR LEDs. Primarily used as a salon camera in buses where surface mounting is required and a dome style is best suited. The camera section is rotated inside the mounting and locked in place with grub screws. 93mm dia. (Base) x 85mm H. **CH-BDC.1A** with Audio.



CH-AHDSMEB Sony IMX307 chipset, 1080P AHD, 1.9mm lens with IR LEDs and audio input. While mainly used as a side-mount, external camera this can also be used internally where a lower profile is needed. The "eyeball" camera section can be rotated 360° for side, top or under-slung mounting positions.

Other internal cameras are available to order and can be provided in various configurations with 720P or 1080P using different chipsets.

2) External Cameras

These cameras will be used on the outside of the vehicle so will be weatherproof but can be used internally if required.

(a) Bracket Mount

The most common type of mounting will be a simple bracket which can be fitted to a flat surface but special brackets are also available. Most cameras will have IR LEDs for night vision.



CH-AHD4HD.3 Sony IMX307 chipset, 1080P with WDR making this suitable for situations with lighting disparity (bright & dark areas close together). This camera is the best choice for night work or underground use.

Same body as the standard camera above with mirror/real image change by wire loop on cable. 3.6mm lens standard, alt. lens version to order only.

Alt. Lens: 6.0mm and 12.0mm lens versions are available, these provide a narrower view which improves the view of objects at a greater distance. 720P available.



CH-AHDMBC Sony IMX323 chipset, 1080P, 2.8mm lens (note earlier models were 720P only). The mirror bracket mount attaches to the camera body and slides in 2 parts to fit most tubular side-mirror brackets. The bracket can be removed and the camera body mounted direct onto a hard surface. Camera section is able to be rotated 360° in the housing as well as swivelling in all directions.

(b) Flush Mount

Where a bracket mounted camera may protrude too far and be liable to damage or just for a clean finish, flush mounted cameras can be used.



CH-FMC.28 chipset, 1080P AHD, 2.8mm lens with IR LEDs.

The camera has a threaded barrel body (28mm \varnothing) with front flange and split spacer/ bevel rings. The bevel allows a 15° angle adjustment to tilt the camera, suitable for trade body, canopy etc..

Alt. Lens: 6.0mm and 12.0mm lens versions are available, these provide a narrower view which improves the view of objects at a greater distance.

(c) Surface Mount

Surface mounting is suitable for flat surfaces and especially on the sides of bodies, canopies etc. where a flank view is required.



CH-AHDSMEB Sony IMX307 chipset, 1080P AHD, 1.9mm lens with IR LEDs and audio input. Mainly used as a side-mount, external camera this can also be used internally if needed. The "eyeball" camera section can be rotated 360° for side, top or under-slung mounting positions. Base size 74 x 59mm x 43mm high.



CH-MSC.1 Mini surface mount camera, Sony IMX307 chipset, 1080P, wide angle lens for large viewing range. Can be used on side of truck, caravan etc or under a mirror housing as the "eyeball" camera section can be rotated 360° for side, top or under-slung mounting positions. Base size 45mm x 30mm x 28.5mm high.

Other external cameras are available to order and can be provided in various configurations with 720P or 1080P using different chipsets. Please contact us with detailed requirements and we will endeavour to provide suitable devices. MoQ may apply.