MV-VCC...

Waterproof vehicle cameras

Product description

DSE vehicle cameras are designed for installation on cars, vans, motorhomes, public transport and heavy vehicles. They have a 4-pin aviation connector for direct connection to monitors and MDVRs using the appropriate cables.

Waterproof aluminium housing

DSE vehicle cameras have a corrosion-resistant metal housing that protects them against impact and water. They can be installed inside or outside the vehicle.

Installation

Several camera models are available to suit the installation position and viewing direction. Flush-mount models are supplied with a drill attachment for making the mounting hole.

Video signal

These vehicle cameras output a 2MP (1080P) analogue AHD video signal. A DVR or monitor compatible with the AHD standard and supporting 1080P resolution is required to receive this signal.
Unlike standard surveillance cameras, these models use ultra-wide-angle lenses to provide the widest possible field of view and minimise blind spots. The lens cannot be replaced.
Some models have LEDs for night vision.
Some models also support an analogue CVBS video signal, useful when connecting devices that do not support high-resolution AHD. These models have a wire loop near the connector that can be cut to switch the signal to CVBS.

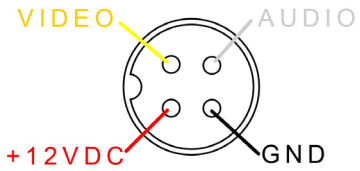
Power supply

Vehicle cameras normally use 12VDC from the vehicle battery.
These aviation-connector models receive power from the monitor or MDVR to which they are connected.

Wiring with an aviation connector

Vehicle cameras connect directly to a monitor or MDVR (mobile digital video recorder).
A cable approximately 50 cm long extends from the rear of the camera and ends in a female 4-pin aviation connector.
This is the most widely used connector in vehicle systems: it carries video, audio (if supported by the camera) and power (+/-), and provides a connection highly resistant to vibration and moisture.
The cameras use the female connector shown below.





Vehicle monitors and MDVRs have a male connector, allowing direct camera connection. More often, an aviation cable of the required length is fitted between the camera and the device, with a male connector at one end and a female connector at the other. Our catalogue offers ready-made aviation cables in various lengths.



Wiring with RCA connectors

In some situations, you may need RCA connectors instead of the standard aviation connector. This can be useful, for example, when routing a cable through tight spaces: you may prefer a connector that can be fitted after routing the cable rather than a pre-fitted aviation connector.
If required, you can convert the camera's aviation connector to RCA using our MV-AVTRCA-F adapter. It converts the 4-pin aviation connector to one male RCA connector for video and one 5.5 mm plug for DC power.



Guide lines and parking lines

These AHD models cannot mirror the image for rear-view use or overlay parking guide lines.
If you need these functions, all our AHD monitors provide these options.

AHD/CVBS switching

Some AHD camera models also support standard CVBS video. These models have a white switching wire near the connector. Switch the camera to CVBS to connect it to a monitor that does not support AHD signals. You can switch the video signal from AHD to CVBS by **cutting the external switching wire near the connectors**. Take care when making this choice: the change can only be reversed by soldering the wire back together. Disconnect power from the camera before switching.



Audio

For protection purposes, the waterproof cameras do not have a built-in microphone.

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