CKO

THE VEHICLE SAFETY EXPERTS

**PRODUCTS
CATALOGUE
2020**

WELCOME ≫

≫ Safe in our hands

Buying from CKO brings you the extra reassurance of our in-house technical team. We evaluate and test all our products before they go to market and undertake repairs on warranty items directly in our technical department.

This together with our technical help line allows us to provide a full back up service to our customers who can have the confidence in our long-term support and warranty responsibilities.

The aim of our business is to offer quality products, value for money and great service as we recognise that customer satisfaction is at the core of our business.

Managing Director
Steve Keogh

CKO has been involved in the design, development and distribution of products and project solutions for over 30 years. Working directly with established manufacturers in the far east, UK and Europe to meet the safety and leisure requirements of our customers in the commercial vehicle and automotive industries.

We offer an extensive range of products from stock and competitive & viable lead times to meet our customer's special requirements.

CONTENTS ≫

ABOUT US

COMMERCIAL VEHICLES AND COMPLIANCE

Our wide range of products will help you meet all your compliance needs and we can offer you tailored support to understand what you and your customers need. Enabling you to achieve Bronze, Silver and Gold FORS standards, ensuring your vehicles are compliant. CKO is here to take the trouble out of meeting those standards.

With over 30 years' experience, our staff are here to guide you through the maze of requirements and assist you in meeting the standards you need in order to operate your fleet within the modern commercial vehicle world.

Our extensive range provides solutions for rear, front and side vision, safe reversing and manoeuvring, digital video recording on SD card, hard drive or through live-view ensuring incidents can be managed swiftly, claims supported or rebuffed and driver behaviour monitored.

BENEFITS OF CKO COMPLIANCE SYSTEMS

» Access to new contracts – a comprehensive vehicle safety system will meet all your requirements for FORS and WRRR; Crossrail, TfL, HS2 and other publicly funded projects

» Access to London – the Mayor of London's Safer Lorry Scheme applies to all HGV's entering or operating within London

» Reduces down-time following incidents and collisions

» Reduces money spent on insurance claims, premiums and 'false-claims'

» Reduces money spent on collision repairs

» Reduces reputational risk

» Demonstrates company's social responsibility programme

» Potential to reduce theft (vehicle and load)

PASSENGER VEHICLES

For Saloon Cars, Caravans, Taxis and Motor Homes we have products for safe manoeuvring, recordable devices, dash-cams, entertainment, digital radio and heated seats to keep you cosy and warm.

TECHNICAL KNOW-HOW AND WARRANTY RETURNS

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WARRANTY TERMS AND CONDITIONS

CKO warrants all goods to be free from defect in material and workmanship in normal use provided that they have been installed and operated in accordance with the instructions supplied. The start date of all warranties is the date of delivery to the purchaser unless otherwise agreed in writing by CKO. The period during which the Two Year Warranty applies is stated above. CKO make no other warranty, express or implied, with respect to the goods, their marketability, quality or fitness for any particular use or purpose. In particular, but without prejudice to the general provisions of the conditions of sale, no responsibility is assumed for incidental or consequential loss by reason of any warranty express or implied. Full details of CKO's Terms and Conditions are contained on our website www.c-ko.co.uk. CKO International Limited reserves the right to change terms, conditions and specifications shown in this catalogue at any time. All Information within this catalogue was correct at time of going to print.

COMPLIANCE

ADDITIONAL BENEFITS

The level of public scrutiny that has come to focus on the commercial vehicle sector in the last five years has resulted in a fundamental shift. It is now a commercial necessity for fleet operators to invest in safety equipment that will enable them to continue to gain access to construction sites and win contracts on infrastructure projects such as Crossrail and HS2.

Soon, it will be impossible to operate without being able to demonstrate compliance with established standards. CKO is here to take the trouble out of meeting those standards. With over 30 years' experience, our staff are here to guide you through the maze of compliance requirements and assist you in meeting the standards you need in order to operate your fleet within the modern commercial vehicle world.

We all have families outside of our work-lives so we all want our roads to be safe places. Commercial vehicle operators may have been unfairly targeted by the media but they also have a responsibility to other vulnerable road users going about their daily lives. Not only is the safety of vulnerable road users a personal issue, it also makes commercial sense.

The Fleet Operator Recognition Scheme (FORS) is a voluntary accreditation scheme that promotes best practice for commercial vehicle operators. Using a progressive three-tiered scheme (Bronze, Silver, Gold) it recognises safer, greener and more efficient fleet operations. CKO can assist you in meeting all your FORS safety requirements. FORS encompasses all aspects of safety, efficiency, and environmental protection by enabling fleet operators to measure, monitor and improve performance. FORS provides accreditation pathways for operators of any type, and for those organisations that award contracts and specify transport requirements.

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- ⟩ Reduces reputational risk
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- ⟩ Potential to reduce theft (vehicle and load)

Safety

Communication

Security

COMPLIANCE

FORS Bronze, Silver and Gold membership provides progressive accreditation enabling operators to achieve exemplary levels of best practice. FORS members stand out from the crowd, work to standards above the legal minimum and have access to a wide range of exclusive benefits that provide a real competitive advantage.

FORS is relevant to commercial operators in three classes: Trucks (V5) Vans (V2) and Passenger carrying vehicles (PCV – V6). Some specific measures apply to particular classes.

Trucks – commercial vehicles over 3.5 tonnes gross vehicle weight
Vans – commercial vehicles of 3.5 tonnes gross vehicle weight or under
PCV's - Any vehicle with 8 or more passenger carrying seats

C-KO Packages

We have divided our compliance packages into three simple to understand classes. Rather than basing them in any one of the schemes, we will be able to advise you on the package that suits you best. The variations also depend on the type and class of vehicle you want to fit HGV, Van, PCV, 3.5 T or above, rigid, articulated etc)

Elementary / Basic – the minimum requirements to meet the vehicle safety measures
Advanced – gives much more control to the driver in reducing road user risk
Comprehensive – gives much more control to the transport manager and ensures evidence is recorded both live and for later inspection

Product Specification

CKO LIVEVIEW

4G

CKO LIVEVIEW

ACCIDENT RECORDING

LIVE VIEW

ALERTS

TRIGGERS

CKO LIVEVIEW

4G

☑ LIVE CCTV
☑ GEOFENCE
☑ TRACKING

Liveview has the ideal tools to manage your fleet easily
4G • HISTORIC TRACKING • REMOTE DOWNLOAD • GPS

CKO
THE VEHICLE SAFETY EXPERTS
A CKO Product UK Edition

The CKO Live view system offers secure multi-network real-time video-stream and GPS tracking for your single or multiple vehicle fleet. With our system any user can view up to 16 separate streams, at any one time, with two users you can double that to 32.

Using the registration number as the default code and the depot to allocate the group it is simple to classify a fleet of vehicles and enable different users' permissions to access sets of information.

INTRODUCTION

Live View is a 4G based service offered by CKO enabling customers to view individual vehicles and whole fleets with real-time and historical footage. We offer monthly and annual payment terms on a 12-month contract for which we provide:

- PC software
- iOS and android phone software
- Device SIM
- Data server
- Customised email alerts & notifications
- Telephone and remote access support
- UK networks

FUNCTIONALITY

Our system offers market-leading functionality:

- Vehicle tracking by GPS – current location and speed of the vehicle can be seen
- Alerts regarding faults such as geo-fencing breaches, failing hardware, switch to SD card recording, video loss on channel e.g faulty camera
- Remote download footage can be viewed through mobile phone or PC
- Historical footage – downloadable footage for the last month
- Change settings remotely – settings such as camera resolution, date, time and recording settings can be changed remotely. Software updates can also be sent remotely.
- Multiple vehicle viewing – the interface can show 32 live and recorded streams at one time, meaning that many fleets can be managed on a single interface.
- SOS button – The introduction of our SOS button on the DVR means if an incident occurs the driver can push it and central office will be immediately notified and able to investigate the issue. As well as time and date, a video clip of between 1 to 2 minutes can be saved on the server from when the alarm is pushed on the device.

LiveView ≫

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LiveView ≫

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- Geofencing – multiple fences can be applied and notifications will alert the user when a vehicle enters or leaves those zones. Not only does this provide an anti–theft security feature, businesses can also use geofencing to monitor employees in the field, automate time cards and keep track of individual vehicles over particular time periods.

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- Without Live-view, if your vehicle was involved in an incident, you would only hear about what's happened once your driver gets back and reported it. With our live-view system you will receive notifications, tailored to your own specification. In case of an incident, an alarm will be displayed on the live-view page or direct to your mobile phone. It does not interrupt the user view, but like an exception report, it can prompt action by alerting users that action is required.

HISTORIC TRACKING

The Real-time vehicle locator can be expanded to show single or multiple vehicle locations. If a vehicle is offline, the last location where it was connected will be displayed.

The 'Track' tab provides the historic location, speed and DVR status. Usefully, it can map historic route showing where the vehicle travelled in 30 second intervals. It is possible to search this function by time and date. The information is stored on our dedicated secure server meaning that vehicles that are not online can also be checked. In terms of vehicle safety and security this is an added bonus of the Live View system and when added to the 'status' of the DVR, can help highlight issues of suspected device tampering or fuel theft.

REMOTE DOWNLOAD & HISTORIC VIEWING

Our standard tariff comes with a fair-use cap, but additional data can be purchased in bundles. Historic recordings can be remotely downloaded or streamed online by pinpointing the desired time and date. This allows the user to act quickly in response to incident reports. The file is saved in several ways, on the local device and on our server. Single or multiple channels can be downloaded and saved in a secure format, only playable on our local PC software where it can be converted to AVI if required.

Photos can also be viewed using the Record tab, the photos are snapshots that can be linked to the alarms and other custom settings from the server side. The photos are saved to our dedicated secure server.

Alarm inputs can be linked to different events, e.g the rear door opening for a delivery. This type of setting does require additional wiring and configuration is required, but greatly enhances the functions available and can be tailored for the specific needs of the business.

EMAIL NOTIFICATION

We recommend that email alerts are sent to a dedicated person in your company. In the event of equipment failure this provides you with a fail-safe beyond the driver's daily walk-around check. Under FORS Standard v5, daily checks of electronic safety is now compulsory. In the event of DVR video loss or hard drive failure an email alert can be sent to those who need to know within your organisation.

After understanding your needs, and with your permission, email alerts can be set up to multiple email addresses per vehicle or per group of vehicles. Custom input alarms can also be set to report by email at certain times or when an SOS button is press. As part of the initial set up, we can talk through your business needs and customise the settings to get the most out of our Live View system.

PHONE APP

The phone app provides the most basic information compared to the feature-packed desktop version. However, for quick and easy reference, the phone app allows users to check if vehicles are online, view the cameras in real time and see their current or last location.

CHANGING DVR SETTINGS

Our Live View desktop application allows DVR configuration settings to be changed. Settings, like alarm triggers, camera types and many others can be altered without having to be with the vehicle. Current setting can also be displayed. Making changes to settings after installation may be advantageous to tweak the systems usability or when new features become available. The DVR must be connected to Live View to access this function. User access control levels can be set so that settings can only be altered by those with the necessary permissions, securing alterations and ensuring consistency across the fleet.
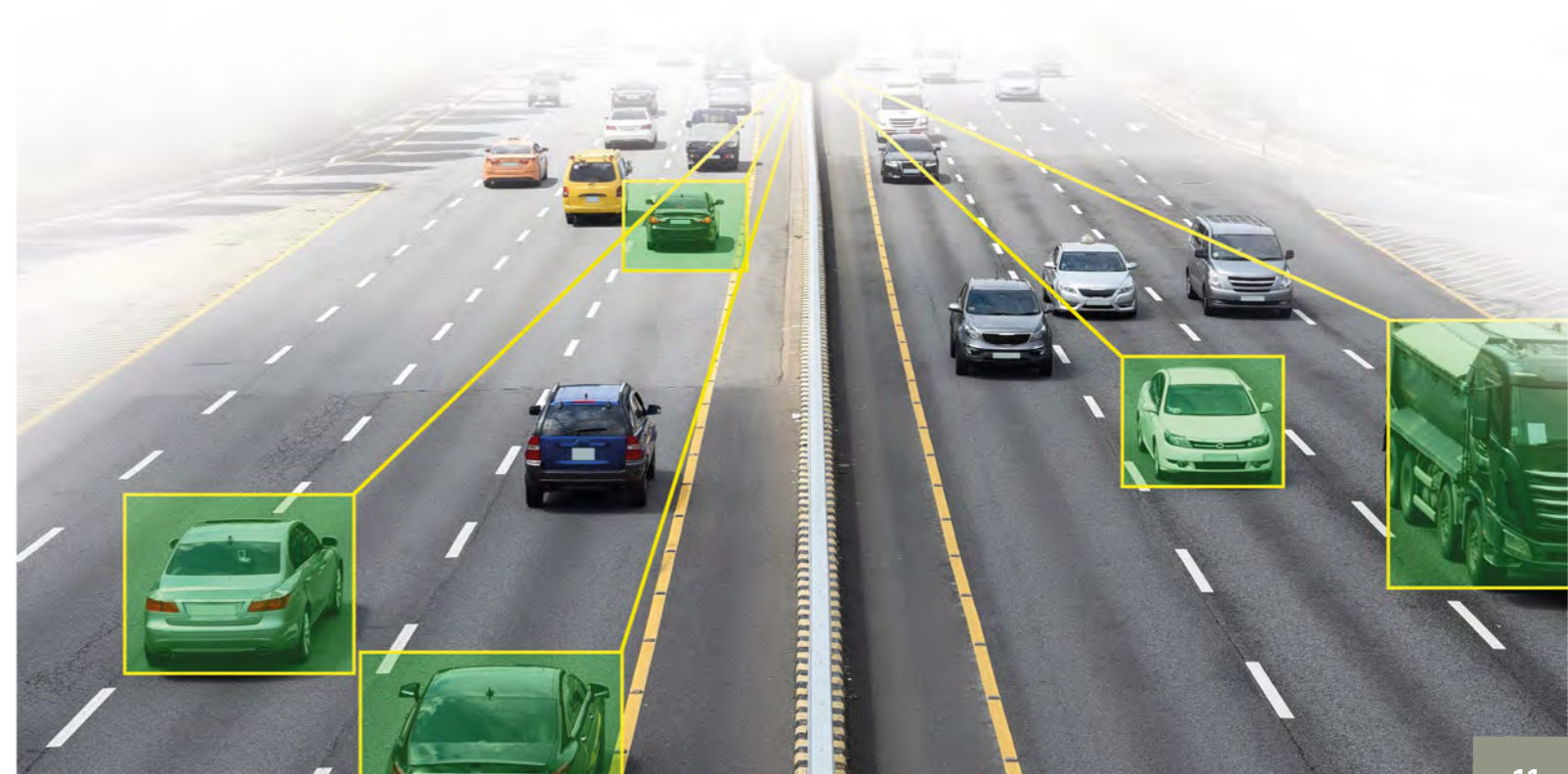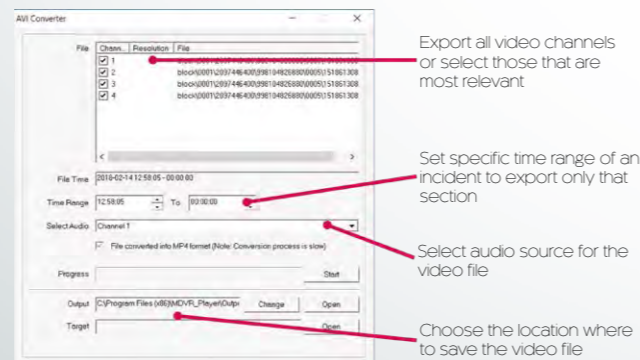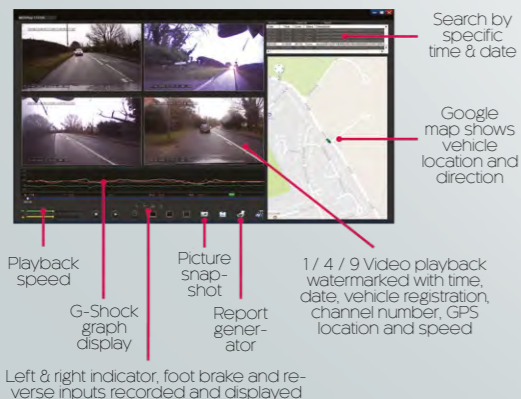
BENEFITS

Safety
Monitoring of driving ability and standards
Improved driver manoeuvring visibility
Safe loading and unloading practices
Driver concentration and fitness to drive

Protection
Load security and damage prevention
Crash-for-cash, inflated and fraudulent claims
Unjustified personal injury claims

» Record up to 8 channels video and audio, plus 1 IPC

» Built in GPS for vehicle location, speed and time which is also watermarked including vehicle registration on video footage

» Built in 3-axis G sensor to detect vehicle impact, harsh braking and rapid acceleration

» Customisable alarm inputs to record events and automatically view selected cameras on screen, for example to display side camera when indicating

» Alarm outputs to trigger other devices

» Intelligent voltage protection to turn the DVR off at specified parameters

» Options for time sync with GPS and automatic Daylight-Saving time switch

» 3 power modes - Ignition switches on and off with the vehicle's ignition, timed turns on and off at set times and Standby keeping the DVR on and switches the cameras off.

» 3 recording modes - Power records when the time is on, Timed records at specified times and Alarm only records alarm files

» Records in AHD 1080p & AHD 720p or D1 camera format, with options to have a mixed format

» SD card back up function

» Snap shot image alarm function and export config files by USB for fleet continuity

» Cameras can be mirrored and flipped on the DVR

Search by specific time & date
Google map shows vehicle location and direction

Playback speed
G-Shock graph display
Picture snap-shot
Report gener-ator
1 / 4 / 9 Video playback watermarked with time, date, vehicle registration, channel number, GPS location and speed

Left & right indicator, foot brake and re-verse inputs recorded and displayed

Export all video channels or select those that are most relevant

Set specific time range of an incident to export only that section

Select audio source for the video file

Choose the location where to save the video file

DVR COMPARISON

DVR COMPARISON

	AHD-100	AHD-401	AHD-601	AHD-801
Recording				
Max Resolution	720p (1280 x 720)	1080p (1920 x 1080)	1080p (1920 x 1080)	1080p (1920 x 1080)
Channels	4	4	6	8
Audio	√	√	√	√
Video Compression	H.264 Encrypted AVI	H.264 Encrypted AVI	H.264 Encrypted AVI	H.264 Encrypted AVI
AHD Compatible	√	√	√	√
IPC Compatible	X	1 Channel	1 Channel	1 Channel
AV in / out				
Video input	4 x 4 Pin aviation	4 x 4 Pin aviation	6 x 4 Pin aviation	8 x 4 Pin aviation
Video output	4 Pin aviation, VGA	4 Pin aviation, VGA	4 Pin aviation, VGA	4 Pin aviation, VGA
Audio input	4 x 4 Pin aviation	4 x 4 Pin aviation	6 x 4 Pin aviation	8 x 4 Pin aviation
Audio output	4 x 4 Pin aviation	4 x 4 Pin aviation	6 x 4 Pin aviation	8 x 4 Pin aviation
OSD	1 / 2 / 4	1 / 2 / 4	1 / 2 / 4 / 6 / 9	1 / 2 / 4 / 6 / 9
Network streaming				
Ethernet Port	√	√	√	√
Wi-Fi	Optional	Optional	Optional	Optional
4G Compatible	Optional	Optional	Optional	Optional
Mobile App	Android / iOS	Android / iOS	Android / iOS	Android / iOS
Storage / Backup				
HDD / SSD	X	2.5" SATA II (2TB max)	2.5" SATA II (2TB max)	2.5" SATA II (2TB max)
SD Card	2 x SDxC (128GB max)	1 x SDxC (128GB max)	1 x SDxC (128GB max)	1 x SDxC (128GB max)
Backup	USB 2.0 / Network	USB 2.0 / Network	USB 2.0 / Network	USB 2.0 / Network
Peripheral				
Lockable	√	√	√	√
GPS	√	√	√	√
G-Sensor	√	√	√	√
Timer off Delay	Up to 24 hours	Up to 24 hours	Up to 24 hours	Up to 24 hours
HDD / SD Failure Warning	√	√	√	√
Motion Detection	X	X	X	X
Camera Full Screen Trigger	√	√	√	√
Split Screen Camera Trigger	X	√	√	√
Remote Control	√	√	√	√
USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Other				
Power output	12v	12v	12v	12v
Power input	8 - 36v (DC)	8 - 36v (DC)	8 - 36v (DC)	8 - 36v (DC)

CT-TRAY

Spare DVR Caddy

Supplied without media installed
Please note that the DVR needs to format new media to allow recording to begin
USB 2.0 Type B connection on rear

CT-REMOTE

Spare Remote Control

Spare Remote Control for DVR
Supplied with battery
Additional batteries also available

CT-USB-LEAD

USB Lead

Connection from
CT-Tray to PC
USB 2.0 Type A to Type B

2.5" Hard Disc Drive

2.5" Hard Disc Drive 1TB or 2TB

See Price List for P/N
On factory settings a DVR will use 1.2GB per hour per channel at 720p
2-year manufacturer warranty
Available in 1TB or 2TB capacity
7mm - SATA III-6Gb/s
5400rpm - 128MB Cache

2.5" Solid State Drive

2.5" SSD 250mb, 500mb, 1TB, 2TB

See Price List for P/N
On factory settings a DVR will use 1.2GB per hour per channel at 720p
Solid state drives - recommended for DVRs
5-year manufacturer warranty
Available in 250MB, 500MB, 1TB & 2TB capacity
7mm - SATA III-6Gb/s

SD Card

SD Card 64 GB

See Price List for P/N
Available in various memory capacity
Can be used with our DVRs to record footage
We recommend 64GB, on factory settings the DVR will use 650MB per channel per hour as recording quality is reduced
Function must be enabled on DVR to switch to SD card recording in the unlikely event of hard drive failure

CT-SOS

SOS Button and IR/
LED Status Light Extension

SOS Button and IR / LED Status Light Extension

Push to make switch

When pressed alerts operator of an event

CT-MIC

Discrete
Microphone

Discrete Microphone for Audio Recording
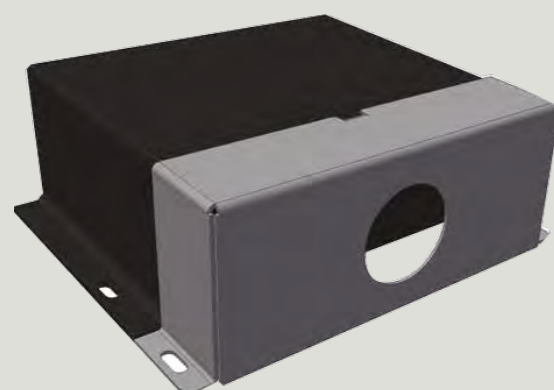
Requires 12 Volt

DVR-3G/4G-ANT

External
Antenna

External 3G / 4G Antenna

SMA Male connection

CT-CASE

Cable Tampering
Preventer

Cable Tampering Preventer

Prevents drivers removing cables from the rear of the DVR

DVR-A1-ANT

External
Multipurpose
Antenna

External Multipurpose Antenna

4G, 3G, Wi-Fi and GPS 3M adhesive and fastened by

three self-tapping screws

120mm diameter

3metre lead

SMA Male connection

CT-SWITCH

Illuminated
Switch

Illuminated Incident Switch. Push to make switch

When pressed alerts operator of an event

Dimly illuminated to show DVR has power

Includes label

22mm hole diameter

12 Volt

CATEGORY 3

DASH CAMERAS / Front / Rear Facing

DC-DVR-E-RCAM
External Rear Camera

DC-DVR-E7-F

Front Facing Dash Camera

1 Camera
145° FOV
External GPS
G-Shock & Speed
1080p
Wi-Fi download & setting control
128GB Max.
Galaxy Core GC2023
SD Card concealed in mount
Tamperproof Cable
30 FPS
3MP
Built in Microphone
Additional Camera input
16GB TF Card Included
Park Mode
Ignition Timer Relay
Built in Battery Protector
Upto 11m Extension Cable Available to Purchase for Second Camera
Tamperproof label included

DC-DVR-E-RCAM

External Rear Camera for E7 & E200

DC-DVR-E-IR

Internal IR Camera for E7 & E200

DC-DVR-E-REAR

Internal Rear Camera for E7 & E200

sales@c-ko.co.uk   CALL 02088638333

C-KO-ELITE-PLUS-DL2

Front & Driver Facing Camera

2 Cameras
125° FOV / 149° FOV Internal
Internal GPS
G-Shock & Speed
1080p
Tamperproof Lockable Caseav
128GB Max.
OV4689 CMOS
Lockable SD Card
Wi-Fi
30FPS
4MP
Built in Microphone

C-KO-ELITE-IR

IR Module for Elite Dash Cameras
Included in Box

C-KO-ELITE-INT-NONIR

Internal Non-IR Camera

DC-DVR-E200-F

Dash Camera with External ECU

1 Camera
130° FOV
External GPS
G-Shock & Speed
1080p
Wi-Fi download & setting control
128GB Max.
Sony IMX323
Tamperproof Cable
30 FPS
3MP
Optional External Microphone
Additional Camera input
16GB TF Card Included
Park Mode
Ignition Timer Relay
Built in Battery Protector
11m Extension Cable for Second Camera

C-KO-ELITE-TOPAZ-PLUS

Front Facing Camera	OV4689 CMOS
1 Camera	Lockable SD Card
125° FOV	Tamperproof Lockable
Internal GPS	Case
G-Shock & Speed	30FPS
1080p	4MP
Wi-Fi	Built in Microphone
128GB Max.	Additional Camera input

C-KO-ELITE-INT-IR

Internal IR Camera

C-KO-ELITE-VCAB

Video Output Cable

ROADHAWK-DC3-DASHCAM

Front Facing Dash Camera

1 Camera

120° FOV

Internal GPS

G-Shock & Speed

1080p

128GB Max.

OmniVision OV4689

Optional Lockable Casing

Optional Tamperproof
Cable

30 FPS

4MP

Built in Microphone

Optional Event Button

8GB TF Card Included

ROADHAWK-LOCK

**Tamperproof
Case**

ROADHAWK-HARDWIRE

**Hardwire
Kit**

MIO-C330

Front Facing Dash Camera

Front Facing Dash Camera
1 Camera
130° FOV
Internal GPS
G-Shock & Speed
1080p
Safety Camera Warnings
128GB Max.
AIT8328D
30 FPS
2MP
Built in Microphone
2 Inch Display
Park Mode

MIO-C380DUAL

Front & Rear Facing Dash Camera

2 Cameras
130° FOV
Internal GPS
G-Shock & Speed
1080p
Safety Camera Warnings
128GB Max.
SONY CMOS
30 FPS
2MP
Built in Microphone
2 Inch Display
Park Mode

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DC-DVR770 - 2

Front Facing Dash Camera

1 Camera	64GB Max.
140° FOV	SONY EXMOR
Internal GPS	Optional tamperproof cable
G-Shock & Speed	30FPS
1080p	2.19M
Advanced Safety Camera,	Built in Microphone
Speed & Traffic Light Warnings	16GB Included
Wi-Fi	Park mode

DC-TW-GPS

GPS Antenna

DC-TW-HW

Hardwire
Cable av

DC-DVRF70-LOCK

Front Facing Dash Camera

1 Camera	CMOS
140° FOV	Optional tamperproof cable
Optional External GPS	30 FPS
G-Shock,	2.1MP
Speed if GPS option connected	Built in Microphone
1080p	8GB Included
64GB Max.	Park mode

Tamperproof Case for F70

DC-TW-HW

DC-DVR-VT200

3G Dash Camera

1 Camera	Lockable
170° FOV	Tamperproof Cable
Internal GPS	30FPS
G-Shock & Speed	3MP
1080p	Built in Microphone
64GB Max	32GB Included
CMOS SENSOR	Park Mode

BLACKVUE-DR900-2CH

Forward 4k Camera and Rear Facing Camera

2 Camera	SONY STARVIS
162° FOV / 139° FOV	30 FPS
Internal GPS	8MP / 2.1MP
G-Shock & Speed	Built in Microphone
4K / 1080p	Park Mode
Wi-Fi download & setting control	Single Camera Version available
128GB Max.	

BLACKVUE-DR750-2CH-TRUCK

Dash Camera with External Rear Camera

2 Camera	Optional Tamperproof Casing
139° FOV / 120° FOV	60 FPS / 30 FPS
Internal GPS	2.1MP
G-Shock & Speed	Built in Microphone
1080p	Park Mode with Power Magic
Wi-Fi download & setting control	Single Camera Version available
128GB Max.	Cameras Available with 16GB, 32GB,
SONY STARVIS	64GB & 128GB

BLACKVUE-DR750-TAMP

Tamperproof
Case for DR750

BLACKVUE-BV124

BLACKVUE-BV124

BLACKVUE-POWERMAGIC-PRO

Blackvue
Powermagic-pro

BLACKVUE-CARD-MSD

Blackvue-card-msd

RECORDING
CAMERAS
MONITOR SYSTEMS

AHD CAMERAS / 1080P

AHD-FCAM-1080P

**Front Facing Camera
4 Pin aviation connection**

AHD-RCAM-1080-P

1080p Heavy Duty Rear Camera 4 Pin aviation connection

TV system: AHD
Output resolution: 1080p
FPS: 25
Viewing angle: 89°(H) 72°(V) 103°(D)
Image device: 1/3" CMOS
Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 80mm(W) 63mm(D) 70mm(H)
Mirror image

AHD-FCAM-1080P

**Front Facing Camera
4 Pin aviation connection**

Mini BMW connector to 4 Pin aviation for easier application
TV system: AHD
Output resolution: 1080p
FPS: 25
Viewing angle: 130°(H) 70°(V)
Image device: 1/4" CMOS
Focal length: f: 2.3mm
Operating voltage: 12V DC
Dimensions:
39mm(W) 35mm(D)
30mm(H)

CA-COVER
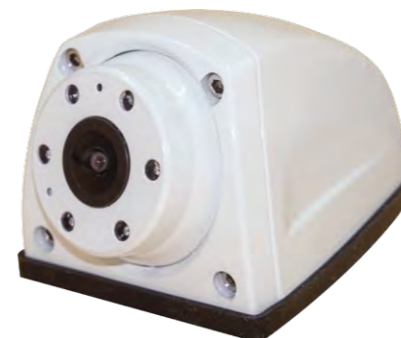
Camera Cover For AHD-FCAM-1080p

AHD-SCAM-725-1080P

Night Vision Side Camera 4 Pin aviation connection

TV system: AHD
Output resolution: 1080p
FPS: 25
Viewing angle: 140°(H) 80°(V)
Image device: 1/4" CMOS
Focal length: f: 2.8mm

Operating voltage: 12V DC
Dimensions: 60mm(W)
75mm(D) 50mm(H)
Mirror image selectable
Guide lines selectable
Built in Microphone

AHD-BR-RVC07

AHD Wing Mirror Side View Camera

Night vision
4 Pin aviation connection
Can be mounted to the wing mirror
TV system: AHD
Output resolution: 720p
FPS: 25

Viewing angle: 89°(H) 50°(V)
Image device: 1/3" CMOS
Focal length: f: 1.2mm
Operating voltage: 12V DC
Dimensions: 80mm(W) x 49mm(D) x 63mm(H)

AHD-SCAM-720-AUD-2

Night Vision Small Dome Camera

4 Pin aviation connection
TV system: AHD
Output resolution: 720p
FPS: 25
Viewing angle: 100°(H) 70°(V)
Image device: 1/3" CMOS
Focal length: f: 2.8mm

Operating voltage: 12V DC
Dimensions: 50mm(W)
68mm(D) 43mm(H)
Mirror image selectable
Guide lines selectable
Built in Microphone

AHD-DOME-SM

Night Vision Side Camera

4 Pin aviation connection
TV system: AHD
Output resolution: 720p
FPS: 25
Viewing angle: 100°(H) 70°(V)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 50mm(W)
68mm(D) 43mm(H)
Mirror image selectable
Guide lines selectable
Built in Microphone

WHITE VERSION

Night Vision Side Camera

SCAM-SPACER

Allows Cameras to be mounted further our product.
May need to be adapted for use with all cameras 25mm deep

AHD-CAM-676

AHD Ball Camera

AHD-SCAM-725

Night Vision Side Camera

4 Pin aviation connection
TV system: AHD
Output resolution: 720p
FPS: 25
Viewing angle: 130°(H) 70°(V)
Image device: 1/3" CMOS
Focal length: f: 2.8mma
Operating voltage: 12V DC

Dimensions: 60mm(W)
75mm(D) 50mm(H)
Mirror image selectable
Guide lines selectable
Built in Microphone

AHD-CT200-F

Window Mounted Front Facing Camera

Window Mounted Front Facing Camera

4 Pin aviation connection

Mini BMW connector to 4 Pin aviation for easier application

TV system: AHD

Output resolution: 720p

FPS: 25

Viewing angle: 110°(H) 60°(V)

Image device: 1/3" CMOS OV60

Focal length: f: 2.3mm

Operating voltage: 12V DC

Dimensions: 60mm(W) 35mm(D) 30mm(H)

AHD-FCAM-120-CL / AHD-FCAM-140-CL

Front Facing Camera

4 Pin aviation connection

Mini BMW connector to 4 Pin aviation for easier application

TV system: AHD

Output resolution: 720p

FPS: 25

AHD-FCAM-120-CL

Viewing angle: 120°(H) 60°(V)

AHD-FCAM-140-CL

Viewing angle: 140°(H) 60°(V)

Image device: 1/3" CMOS OV60

Focal length: f: 2.3mm

Operating voltage: 12V DC

Dimensions: 39mm(W) 35mm(D) 30mm(H)

Mirror image selectable via cutting green wire

CA-COVER

Camera Cover For AHD-FCAM

AHD-DOME-600TVL

AHD Dome Camera with Audio

Dome Camera

Night Vision

4 pin aviation connection

Built in Microphone for Audio

TV system: AHD

Output resolution: 720p

FPS: 25

Viewing angle: 74°(H) 58°(V) 88°(D)

Image device: 1/3" CMOS

Operating voltage: 12V DC

Dimensions: 86mmØ 58mm(H)

AHD-DCAM-650

Night Vision Side Camera

AHD Dome Camera with Audio

Night vision

4 Pin aviation connection

Plastic dome cover

Anti-tamper design

Built in Microphone for Audio

TV system: AHD

Output Resolution: 720p

FPS: 25

Viewing angle: 90°(H) 40°(V)

Image device: 1/3" CMOS

Focal length: f: 2.8mm

Operating voltage: 12V DC

Dimensions: 77mmØ 60mm(H)

DCAM-ANGLE

Surface Mount Adaptors for Dome Cameras
0°, 15° & 25° available

AHD-RCAM-210-AUD

Heavy Duty Rear Camera with Smart IR

4 Pin aviation connection

TV system: AHD

Output resolution: 720p

FPS: 25

Viewing angle: 89°(H) 72°(V) 103°(D)

Image device: 1/3" CMOS

Focal length: f: 2.8mm

Operating voltage: 12V DC

Dimensions: 80mm(W) 63mm(D) 70mm(H)

Mirror image

Built in Microphone

AHD-RCAM-220-SS

Wide Angle Heavy Duty Rear Camera

4 Pin aviation connection

TV system: AHD

Output resolution: 720p

FPS: 25

Viewing angle: 100°(H) 60°(V) 80°(D)

Image device: 1/3" CMOS

Focal length: f: 2.8mm

Operating voltage: 12V DC

Dimensions: 75mm(W) 55mm(D) 75mm(H)

Mirror image

AHD-RCAM-220-SS (Silver)

AHD-RCAM-220-B (Black)

AHD-RCAM-220-B

Black Version

C-KO-SPRINTER-CCD-CAM

Mercedes Sprinter/VW Crafter Brake Light Camera

4 Pin aviation connection

Adjustable Ball Camera

Built in Microphone for Audio

Replaces brake light

Fixed mirror image

TV system: NTSC / PAL

Output resolution: 480i (NTSC) / 576i (PAL)

FPS: 30 (NTSC) / 25 (PAL)

Effective pixels: 752 x 582

Viewing angle: 120°(H) 103°(V) 133°(D)

Image device: 1/3" Sony CCD

Focal length: f: 1.7mm

C-KO-SPR-CAM
Mercedes Sprinter/VW Crafter Brake Light Camera

4 Pin aviation connection
Adjustable Ball Camera
Selectable guide lines via jumper plug
Built in microphone for audio
Replaces brake light
Fixed mirror image

TV system: NTSC / PAL
Output resolution: 480i (NTSC) / 576i (PAL)
FPS: 30 (NTSC) / 25 (PAL)
Effective pixels: 762 x 504

Viewing angle: 130°(H) 110°(V)
Image device: CMD-III
Operating voltage: 9-16V DC
Dimensions: 350mm(W) 90mm(D) 50mm(H)

C-KO-SPR-CAM (NTSC Version)
C-KO-SPR-CAM-PAL (PAL Version)
C-KO-SPR-CAM-NM (Non Mirror Version – available)

C-KO-VITO-CAM
Mercedes Vito Brake Light Camera

4 Pin aviation connection
Clips in and replaces OEM brake light
Built brake light LEDs
Fixed mirror image
TV system: NTSC
Output resolution: 480i

FPS: 30
Effective pixels: 510 x 492
Viewing angle: 110°(H) 80°(V)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 491mm(W) 100mm(D) 55mm(H)

AHD-MB-SPR-PAL
Overhanging Camera

Night vision
4 Pin aviation connection
TV system: AHD
Output resolution: 720p
Output resolution: 480i

FPS: 25
Viewing angle: 110°(H) 100°(V)
Image device: 1/3" CMOS OV60
Focal length: f: 2.5mm

Operating voltage: 12V DC
Dimensions: 132mm(W) 220mm(D) 100mm(H)

AHD-SPR-CAM-PAL
Mercedes Sprinter/VW Crafter Brake Light Camera 2006+ (Mk2)

4 Pin aviation connection
Clips in and replaces OEM brake light
Built brake light LEDs
Fixed mirror image
TV system: NTSC

FPS: 25
Viewing angle: 110°(H) 100°(V)
Image device: 1/3" CMOS OV60

Operating voltage: 9-16V DC
Dimensions: 350mm(W) 100mm(D) 50mm(H)

C-KO-TRANSIT-CAM
Ford Transit Brake Light Camera

- 4 Pin aviation connection
- Adjustable ball camera
- Replaces factory brake light
- Fixed mirror image
- TV system: PAL
- Output resolution: 576i

FPS: 25
Effective pixels: 976 x 596
Viewing angle: 120°(H) 100°(V)
Image device: 1/3" NVP Sony CCD

Focal length: f: 2.6mm
Operating voltage: 9-16V DC
Dimensions: 385mm(W) 130mm(D) 55mm(H)

C-KO-TCON-CAM
Ford Transit Connect 2014-2017 Brake

- Light Camera
- 4 Pin aviation connection
- Replaces factory brake light
- Fixed mirror image
- TV system: PAL

Output resolution: 576i
FPS: 25
Effective pixels: 720 x 540 Viewing angle: 120°(H) 90°(V)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 400mm(W) 120mm(D) 55mm(H)

C-KO-CRAFTER-CAM
VW Crafter, Man TGE Brake Light Camer

- 4 Pin aviation connection
- Adjustable Ball Camera
- Replaces factory brake light
- Fixed mirror image
- TV system: NTSC
- Output resolution: 480i

FPS: 30
Effective pixels: 752 x 582
Viewing angle: 120°(H) 103°(V) 133°(D)
Image device: 1/3" Sony CCD
Focal length: f: 1.7mm

Operating voltage: 12V DC
Dimensions: 64.2mm(W) 208.9mm(D) 68.7mm(H)
Camera only also available - additional charge for brake light

C-KO-VWT-CAM
VW T5/T6 with Double Door Brake Light Camera

- 4 Pin mini BMW to 4 Pin aviation connection
- Clips in and replaces OEM brake light
- Fixed mirror image
- TV system: PAL
- Output resolution: 576i

FPS: 25
Effective pixels: 500 x 582
Viewing angle: 110°(H) 80°(V)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 188mm(W) 60mm(D) 60mm(H)

C-KO-TC-CAM-LED
Ford Transit Custom Brake Light Camera

- Ford Transit Custom Brake Light Camera
- LED Version

Adjustable camera ball
Night vision
4 Pin aviation connection
Clips in and replaces OEM brake light

Fixed mirror image
TV system: PAL / NTSC
Output resolution: 576i (PAL) / 480i (NTSC)
FPS: 25 (PAL) / 30 (NTSC)

BULB VERSION

- Bulb Version

Effective pixels: 500 x 582
Viewing angle: 82°(H) 79°(V) 99°(D)
Image device: 1/4" CMOS
Focal length: f: 2mm

Operating voltage: 12V DC
Dimensions: 264mm(W) 120mm(D) 68mm(H)

C-KO-TC-CAM (Bulb Version)
C-KO-TC-CAM-LED (LED Version)
C-KO-TC-CAM-NTSC-L (LED NTSC Version)

C-KO-VWC-CAM
VW Caddy Brake Light Camera

- Clips in and replaces OEM brake light
- Fixed mirror image
- TV system: PAL
- Output resolution: 576i

FPS: 25
Effective pixels: 720 x 540
Viewing angle: 110°(H) 90°(V)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 175mm(W) 39mm(D) 65mm(H)

C-KO-EXP-CAM
Peugeot Expert, Citroen Dispatch & Toyota ProAce 2016+ Vauxhall Vivaro 2020+

- 4 Pin aviation connection
- TV system: NTSC FPS: 30
- Output resolution: 480i

Effective pixels: 510 x 492
Viewing angle: 110°(H) 80°(V)
Image device: 1/3" CMOS7959
Focal length: f: 2.8mm

Operating voltage: 12V DC
Dimensions: 260mm(W) 40mm(D) 33mm(H)

C-KO-FPC-CAM

Fiat Ducato, Peugeot Boxer, Citroen Relay Brake Light Camera

- 4 Pin aviation connection
- Adjustable ball camera with night vision
- Selectable guide lines via jumper plug
- Built in microphone for audio
- Built in red LED brake light
- Fixed mirror image
- TV system: NTSC / PAL

Output resolution: 480i (NTSC) 568i (PAL)
FPS: 30 (NTSC) / 25 (PAL)
Effective pixels: 762 x 504

Viewing angle: 130°(H) 110°(V)
Image device: CMD-III
Operating voltage: 9-16V DC
Dimensions: 270mm(W) 80mm(D) 57mm(H)

C-KO-FPC-CAM (NTSC Version)
C-KO-FPC-CAM-PAL (PAL Version)

C-KO-VR-CAM

Vauxhall 2014-2019 Vivaro, Renault 2014+Trafic Brake Light Camera

- Adjustable camera ball
- Night vision
- 4 Pin aviation connection
- Clips in and replaces OEM brake light
- Built in brake light LEDs
- Fixed mirror image
- TV system: PAL / NTSC

Output resolution: 576i (PAL) / 480i (NTSC)
FPS: 25 (PAL) / 30 (NTSC)
Effective pixels: 500 x 582
Viewing angle: 82°(H) 79°(V) 99°(D)

Image device: 1/4" CMOS
Focal length: f: 2mm
Operating voltage: 12V DC
Dimensions: 232mm(W) 160mm(D) 80mm(H)

C-KO-VR-CAM (PAL Version)
C-KO-VR-CAM-NTSC (NTSC Version)

C-KO-NRV-CAM

Renault Master, Nissan NV400, Vauxhall Movano Brake Light Camera

- 4 Pin aviation connection
- Night vision
- Fixed mirror image
- TV system: PAL / NTSC
- Output resolution: 576i (PAL) / 480i (NTSC)
- FPS: 25 (PAL) / 30 (NTSC)

Effective pixels: 648 x 488
Viewing angle: 89°(H) 72°(V) 103°(D)
Image device: 1/3" CMOS7959
Focal length: f: 2.8mm

Operating voltage: 9-16V DC
Dimensions: 197mm(W) 109mm(D) 126mm(H)

C-KO-NRV-CAM (PAL Version)
C-KO-NRV-CAM-NTSC (NTSC Version)

C-KO-VV-CAM

Vauxhall Vivaro, Renault Trafic Brake Light Camera upto 2014

- Night vision
- 4 Pin aviation connection
- Clips in and replaces OEM brake light
- Built in brake light LEDs
- Fixed mirror image
- TV system: NTSC

Output resolution: 480i
FPS: 30
Effective pixels: 500 x 582
Viewing angle: 120°(H) 90°(V) 110°(D)

Image device: 1/4" CMOS
Focal length: f: 2mm
Operating voltage: 12V DC
Dimensions: 140mm(W) 85mm(D) 55mm(H)

CA-9935

Number Plate Light Camera for Viano & Vito

RCA video connection

Guide lines selectable via joining green wires

Original bulb fits into housing, power lead with relay

TV system: NTSC FPS: 30

Output resolution: 480i

Effective pixels: 668 x 576

Viewing angle: 120°(H) 110°(V)

Image device: 1/3" CMOS OV60 Focal length: f: 2.1mm

Operating voltage: 12V DC

Dimensions: 76mm(W) 26mm(D) 35mm(H)

CA-9922

Number Plate Light Camera for Transit

RCA video connection

Guide lines selectable by joining green wires

Built in LED light

TV system: PAL FPS: 25

Output resolution: 576i

Effective pixels: 668 x 576

Viewing angle: 120°(H) 110°(V)

Image device: 1/3" CMOS OV60 Focal length: f: 2.1mm

Operating voltage: 12V DC

Dimensions: 60mm(W) 31mm(D) 30mm(H)

CA-9801

Most Audi & VW

CA-9801DY

Audi A4 2017

CA-9801-EY

Audi A5 2017, Q2 & Skoda Kodiaq

Handle Bar Camera

Various Vehicle Applications

RCA video connection

Guide lines selectable via joining green wires

Built in switch for tailgate

Fixed mirror image

TV system: NTSC

Output resolution: 480i

FPS: 30

Effective pixels: 668 x 576

Viewing angle: 120°(H) 110°(V)

Image device: 1/3" CMOS OV60

Focal length: f: 2.1mm

Operating voltage: 12V DC

| CA-9801 110mm(W) 48mm(D) 23mm(H) |
| CA-9801DY 110mm(W) 48mm(D) 30mm(H) |
| CA-9801-EY 110mm(W) 44mm(D) 28mm(H) |

CA-MB-SPR-CCD

Overhanging Camera Night vision

4 Pin aviation connection
Roof Mounted Camera
Fixed mirror image
TV system: NTSC / PAL
Output resolution: 480i / 576i
FPS: 30 (NTSC) / 25 (PAL)
Effective pixels: 720 x 480
Viewing angle: 85°(H) 60°(V)

Image device: 1/3" Sony CCD
Focal length: f: 2.1mm
Operating voltage: 12V DC
Dimensions: 132mm(W) 220mm(D) 100mm(H)

CA-MB-SPR-CCD-N (NTSC Version)
CA-MB-SPR-CCD-P (PAL Version)

C-KO-UNI-CAM

Universal Brake Light Camera

4 Pin aviation connection
Universal brake light built in LED red light
Adjustable Ball Camera
Fixed mirror image
TV system: PAL
Output resolution: 576i

FPS: 25
Effective pixels: 500 x 582
Viewing angle: 82°(H) 79°(V) 99°(D)
Image device: 1/3" CMOS
Focal length: f: 2mm
Operating voltage: 12V DC
Dimensions: 125mm(W) 110mm(D) 95mm(H)

C-KO-UNI-CAM-LED

Universal Brake Light Camera with Built in Door Light

4 Pin aviation connection
Universal brake light built in LED red light
15W Door / Work light
Adjustable ball camera
Fixed mirror image
TV system: PAL
Output resolution: 576i

FPS: 25
Effective pixels: 500 x 582
Viewing angle: 82°(H) 79°(V) 99°(D)
Image device: 1/3" CMOS
Focal length: f: 2mm
Operating voltage: 12V DC
Dimensions: 125mm(W) 110mm(D) 95mm(H)

RCAM-0-087-CAM

Heavy Duty Body Mount Camera

Heavy Duty Body Mount Camera
Night vision Smart IR
4 Pin aviation connection
Built in Microphone for Audio
Mirror image selectable via screw on camera rear
TV system: PAL
Output resolution: 576i

FPS: 25
Effective pixels: 960 x 576
Viewing angle: 80°(H) 60°(V)
Image device:
1/3" CMOS PC1058K
Operating voltage: 12V DC
Dimensions: 90mm(W) 62mm(D) 68mm(H)

RCAM-0-087-CAM-W

White Version

DF-8084

Heavy Duty Body Mount Camera

Night vision Smart IR
4 Pin aviation connection
Built in Microphone for Audio
Fixed mirror image
TV system: PAL
Output resolution: 576i
FPS: 25

Effective pixels: 976 x 582
Viewing angle: 89°(H) 62°(V)
Image device: 1/4" CMOS
Focal length: f: 2.8mm
Operating voltage: 12V
Dimensions: 60mm(W) 53mm(D) 60mm(H)
White also available

CK-15-CAM

Heavy Duty Body Mount Camera

Night vision
4 Pin aviation connection
Fixed mirror image
TV system: PAL
Output resolution: 576i
FPS: 25
Effective pixels: 752 x 582

Viewing angle: 80°(H) 60°(V)
Image device: 1/3" Sharp CMOS
Focal length: f: 2.9mm
Operating voltage: 12V / 24V DC
Dimensions: 80mm(W) 63mm(D) 70mm(H)

C-KO-BR-RVC07

Wing Mirror Side View Camera

Night vision
4 Pin aviation connection
Can be mounted to the wing mirror
TV system: PAL
Output resolution: 576i
FPS: 25

Effective pixels: 500 x 582
Viewing angle: 89°(H) 70°(V)
Image device: 1/3" CMOS
Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 80mm(W) 49mm(D) 63mm(H)

C-KO-RCAM-220

Wide Angle Heavy Duty Rear

Camera
4 Pin aviation connection
TV system: PAL
Output resolution: 576i
FPS: 25
Viewing angle:
100°(H) 60°(V) 80°(D)
Image device: 1/3" CMOS

Focal length: f: 2.8mm
Operating voltage: 12V DC
Dimensions: 75mm(W)
55mm(D) 75mm(H)
Mirror image

| C-KO-RCAM-220-SS (Silver) |
| C-KO-RCAM-220-B (Black) |

C-KO-RCAM-220-B

Black Version

CAM-DOME-600TVL

Dome Camera with Audio

Dome Camera with Audio
Night vision
4 Pin aviation connection
Built in Microphone for Audio
Anti-tamper design
TV system: PAL
Output resolution: 576i

FPS: 25
Effective pixels: 704 X 576
Viewing angle: 60°(H) 30°(V)
Image device: 1/3" CMOS
Operating voltage: 12V DC
Dimensions: 86mmØ 58mm(H)

CAM-DOME-650-SN

Wing Mirror Side View Camera

Dome Camera
4 Pin aviation connection
Plastic Dome Cover
Anti-tamper design
Separate 25Ø base
Mirror image selectable
by cutting white wire
TV system: PAL

Output resolution: 576i
FPS: 25
Effective pixels: 752 x 582
Viewing angle: 110°(H) 75°(V)
Image device: 1/3" Sony CCD
Focal length: f: 2.1mm
Operating voltage: 12V DC
Dimensions: 66mmØ 49m(H)

DCAM-ANGLE

Surface Mount Adaptors for Dome Cameras 0˚, 15˚ available

C-KO-CAM-410

Side View Camera with Audio

Side View Camera with Audio
Night vision
4 Pin aviation connection
Built in Microphone for Audio
Mirror image selectable via
jumper plug
TV system: PAL
Output resolution: 576i
FPS: 25

Effective pixels: 728 x 488
Viewing angle: 105°(H) 72°(V)
Image device: 1/3" CMOS
PC1089
Operating voltage: 12V DC
Dimensions: 57mm(W)
75mm(D) 43mm(H)
Available Black or White

C-KO-CAM-410-WHITE

White Version

SCAM-SPACER

CA-9406-PAL

Night Vision Bumper Camera

4 Pin aviation connection
Mini BMW connector to
4 Pin aviation
Mirror image selectable
TV system: PAL
Output resolution: 576i
FPS: 25
Effective pixels: 976 x 582

Viewing angle: 120°(H) 100°(V)
Image device: 1/3" CMOS
Focal length: f: 2.3mm
Operating voltage: 12V DC
Dimensions: 31mm(W) 40mm(D) 31mm(H)

CA-9770-PAL

Dual Camera

RCA connection
Mirror image
Built in microphone
TV system: PAL
Output resolution: 576i
FPS: 25
Effective pixels: 960 x 576
Viewing angle: 75°(H)

Image device: 1/3"
CMOS PC1058K
Operating voltage: 12V DC
Dimensions: 110mm(W)
70mm(D) 80mm(H)
AHD Version available
Black version also available.

CAB-DUAL-4PIN

Cable Available

CA-9320-800

800TVL Front Camera

4 Pin aviation connection
Mirror image selectable
via cutting green wire
Mini BMW connector
to 4 Pin aviation
TV system: PAL
Output resolution: 576i
FPS: 25

Effective pixels: 976 x 582
Viewing angle: 110°(H) 80°(V)
Image device: 1/3" SONY CCD
Focal length: f: 2.3mm
Operating voltage: 12V DC
Dimensions:
39mm(W) 35mm(D) 30mm(H)

CA-COVER

**Camera Cover for CA-9320-800
Mounts onto windscreen
to prevent driver interference**
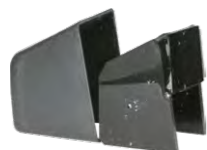
D1 CAMERAS

CA-9401

Wedge Camera

RCA video connection
Guide lines selectable
via joining green wires
Fixed mirror image
TV system: NTSC
Output resolution: 480i
FPS: 30
Effective pixels: 668 x 576

Viewing angle: 120°(H) 110°(V)
Image device: 1/3" CMOS OV60
Focal length: f: 2.1mm
Operating voltage: 12V DC
Dimensions:
30mm(W) 34mm(D) 37mm(H)

CA-5410-IR

Number Plate Camera with Surround

4 Pin aviation connection
Mirror image
Guide lines selectable
TV system: PAL or NTSC
Output resolution:
576i/ 480i (NTSC)
FPS: 25 / 30 (NTSC)
Effective pixels: 648 x 488
Viewing angle: 120°(H)

Image device: 1/3" CMOS
Focal length: f: 2.1mm
Operating voltage: 12V DC
Dimensions:
527mm(W) 37mm(D) 125mm(H)

COL185-SCR-MK2

Multi Mount Micro Camera

Butterfly / Push Fit mount camera
Adaptor to side mount camera
4 Pin aviation connection
Mirror image selectable
by cutting white wire
Guide lines selectable
by cutting green wire
TV system: PAL
Output resolution: 576i
FPS: 25

Effective pixels: 720 x 540
Viewing angle: 110°(H) 90°(V)
Image device: 1/3" CMOS
Focal length: f: 2.1mm
Operating voltage: 12V DC
Dimensions:
37mm(W) 30mm(D) 27mm(H)

BUTTERFLY MOUNT

LED-WLCAM
Work Light with Built in Camera

24W Flood

8 x LED Work Light

4 Pin aviation connection

TV system: PAL

Output resolution: 576i

FPS: 25

Effective pixels: 976 x 592

Viewing angle: 110°(H) 90°(V)

Image device: 1/3" CMOS

Focal length: f: 2.1mm

Operating voltage: 12V / 24V DC

Dimensions: 114mm(W) 51mm(D) 150mm(H)

COL-M90

Metal Wedge Camera

Can be mounted horizontal or vertical
RCA video connection
Mini BMW connector to RCA video
Guide lines selected via green cutting lead
Selectable mirror image
TV system: NTSC (COL-M90-N-B) / PAL (COL-M90-P-B)
Output resolution: 480i (NTSC) 576i (PAL)
FPS: 30 (NTSC) 25 (PAL)
Effective pixels: 720 x 540
Viewing angle: 110°(H) 100°(V)
Image device: 1/2" CMOS II
Focal length: f: 1.2mm
Operating voltage: 12V DC
Dimensions: 32mm(W) 34mm(D) 24mm(H)

COL-M90-N-B (NTSC Version)
COL-M90-P-B (PAL Version)

COL-M90-WHITE

Metal Wedge Camera

RCA video connection
Mini BMW connector to RCA video
Guide lines selected via green cutting lead
Fixed mirror image
TV system: NTSC (COL-M90-N-W) / PAL (COL-M90-P-W)
Output resolution: 480i (NTSC) 576i (PAL)
FPS: 30 (NTSC) 25 (PAL)
Effective pixels: 720 x 540
Viewing angle: 110°(H) 100°(V)
Image device: 1/2" CMOS II
Focal length: f: 1.2mm
Operating voltage: 12V DC
Dimensions: 32mm(W) 34mm(D) 24mm(H)

COL-M90-P-W (PAL Version)

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CATEGORY 5

RECORDING
CAMERAS
MONITOR SYSTEMS

**Digital Wireless
Camera Kit
Heavy Duty Rear
Camera**

CAMERAS / Digital Wireless

WTX-439 / WRX-098
Wireless Transmitter and Receiver

DWKIT-72S
Digital Wireless Camera Kit

DWCAM-2S
Wireless Digital Camera Additional Camera

4 Pin aviation connection
TV system: PAL
Output resolution:576i
Line of sight range: 120m
Output power: 20dBm
RF bit rate: 4Mbps

Spread spectrum: 2400 - 2483.5 MHz
Latency: 120ms
Transmission frequency: 2.4GHz
Operating voltage: 12V / 24V DC
Monitor dimensions: 105mm(W) 110mm(D) 25mm(H)

Heavy Duty Rear Camera
Night Vision
Built in Wireless Transmitter
Fixed mirror image
Camera Dimensions: 80mm(W) 63mm(D) 70mm(H)
7" Digital TFT LCD
Wireless receiver built into monitor

Delay timer for trigger set on screen
OSD guide lines
Can mirror cameras on screen
Built in sun shade
Can take 2 cameras
Operating voltage: 12V / 24V DC
Monitor Dimensions: 172mm(W) 45mm(D) 115mm(H)

DW-ANT-CAM

**Replacement Antenna
for Digital Camera**

Available from stock in instances of theft or damage

DW-ANT-FLAT

Flat Style Antenna

Alternative antenna for digital wireless cameras and monitors
Useful in instances when reception is blocked and requires improving

DW-PACK

**Battery Pack for Wireless
Cameras**

Rechargeable Power Pack
Charges via Mini USB
Magnetic Base
2.5mm DC connector to power camera

PRODUCT CATALOGUE

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AHD-CKIT-1080P

7" 1080p AHD Camera Kit

Heavy Duty Rear Camera
Night Vision with Smart IR
4 Pin aviation connection
Camera Dimensions: 80mm(W)
63mm(D) 70mm(H)
20m Camera lead
7" AHD Digital TFT LCD

Powers cameras 12V DC
Can mirror cameras on screen
2 Inputs
1 Trigger
Operating voltage: 12V / 24V DC
Monitor Dimensions:
192mm(W) 32mm(D) 134mm(H)

CK-05-B

5.6" Camera Kit

Heavy Duty Body Mount Camera
Night Vision with Smart IR
4 Pin aviation connection
Built in Microphone for Audio
Mirror image selectable via screw
on camera rear
Camera Dimensions:
80mm(W) 63mm(D) 70mm(H)
5" Digital TFT LCD
Left and right trigger

with timer delay
Powers cameras 12V DC
Can mirror cameras on screen
Detachable sun shade
Built in speaker
3 x 4 Pin aviation inputs
3 Triggers
Operating voltage: 12V / 24V DC
Monitor Dimensions:
146mm(W) 31mm(D) 136mm(H)

AHD-CK-01

7" AHD Rear Camera Kit

7" Digital panel
AHD / PAL / NTSC
compatible
3 x 4 Pin aviation inputs
3 Trigger

CK-03-B

7" Camera Kit

Heavy Duty Body Mount
Camera
Night Vision with Smart IR
4 Pin aviation connection
Built in Microphone for Audio
Mirror image selectable via
screw on camera rear
Camera Dimensions:
80mm(W) 63mm(D) 70mm(H)
7" Digital TFT LCD
Delay timer for trigger set on

screen
Powers cameras 12V DC
Can mirror cameras on screen
Built in sun shade
Built in speaker
2 x 4 Pin aviation inputs
1 Trigger
Operating voltage: 12V / 24V DC
Monitor Dimensions:
172mm(W) 45mm(D) 115mm(H)

AHD-CK-02

7" AHD Rear & Side Camera Kit

7" Digital panel
AHD / PAL / NTSC
compatible
3 x 4 Pin aviation inputs
3 Trigger

CK-15-B

7" Camera Kit

Heavy Duty Rear Camera
Night Vision
4 Pin aviation connection
Fixed mirror image
Camera Dimensions:
80mm(W) 63mm(D) 70mm(H)
7" Digital TFT LCD
Delay timer for trigger
set on screen
Reverse trigger priority

set on screen
Powers cameras 12V DC
Can mirror cameras on screen
2 x 4 Pin aviation inputs
2 Triggers
Operating voltage: 12V / 24V DC
Monitor Dimensions:
195mm(W) 27mm(D) 128mm(H)

QSM Monitors
7" Quad Dash Mount Monitor

7" Digital panel
4 x 4 Pin aviation inputs
4 Triggers
Resolution: 1024 x 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°

Operating voltage: 12V / 24V DC
Dimensions: 192mm(W) 32mm(D) 134mm(H)
Monitor can power cameras
Shows up to 4 images on the screen at the same time
Each camera displayed on screen when triggered
QSM-MON-C10 PAL / NTSC compatible for D1 Cameras
QSM-AHD-C14 for AHD Cameras

CH1	CH2	CH3	CH4	CH1	CH4
CH3	CH4			CH2	

CH1	CH2	CH3	CH1	CH3	CH1	CH4
			CH2		CH2	

AHD-MON-C13
7" AHD Dash Mount Monitor

**7" Digital panel
AHD / PAL / NTSC compatible
3 x 4 Pin aviation inputs
3 Trigger**

Resolution: 1024 x 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle:
U: 50° D:70° R/L 70°/70°

Operating voltage:
12V / 24V DC
Dimensions:
180mm(W) 23mm(D) 120mm(H)
Monitor can power cameras

AHD-MON-C90
9" AHD Dash Mount Monitor

**9" Digital panel
AHD / PAL / NTSC compatible**

2 x 4 Pin aviation inputs
1 Trigger
Resolution: 1024 x 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle:

U: 50° D:70° R/L 70°/70°
Operating voltage:
12V DC
Dimensions:
192mm(W) 32mm(D) 134mm(H)
Monitor can power cameras

AHD-MON-1080P
7" AHD 1080p Dash Mount Monitor

**7" Digital panel
AHD / PAL / NTSC compatible**

2 x 4 Pin aviation inputs
1 Trigger
Resolution: 1024 x 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle:

U: 50° D:70° R/L 70°/70°
Operating voltage:
12V / 24V DC
Dimensions: 192mm(W) 32mm(D) 134mm(H)
Monitor can power cameras

VGA-MON-D10
7" Dash Mount Monitor with VGA Input

**7" Digital panel
PAL / NTSC compatible
2 x 4 Pin aviation inputs
1 VGA Input
1 Trigger**

Resolution: 1024 x 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle:
U: 50° D:70° R/L 70°/70°

Operating voltage:
12V / 24V DC
Dimensions: 192mm(W) 32mm(D) 134mm(H)
Monitor can power cameras

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C-KO-MON-7HDMI

7" HDMI Monitor

7" Digital panel
PAL / NTSC compatible
Guidelines & mirror selectable
2 x RCA input
1 x HDMI input
1 Trigger
Resolution: 800 x 480
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V / 24V DC
Dimensions: 180mm(W) 23mm(D) 120mm(H)

C-KO-MON-5HDMI

5" HDMI Monitor

5" Digital panel
PAL / NTSC compatible
Guidelines & mirror selectable
2 x RCA input
1 x HDMI input
1 Trigger
Resolution: 800 x 480
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V / 24V DC
Dimensions: 147mm(W) 30mm(D) 110mm(H)

TD-03

4.3" Mirror Monitor with Stalk

Universal mount
Built in Ambient Light Sensor
4.3" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 480 x 272
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions: 270mm(W) 44mm(D) 80mm(H)

VW-2   **FORD-COVER**   **FORD**   **TC**   **VW**

Other options available on request

TD-04

4.3" Mirror Monitor with Stalk

New rimless design
Universal mount
Built in Ambient Light Sensor
4.3" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 480 x 272
Contrast ratio: 300:1
Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions: 270mm(W) 44mm(D) 80mm(H)

PV-YW795
7" Dash Mount Monitor

7" Digital panel
PAL / NTSC compatible
2 x 4 Pin aviation inputs
2 Triggers
Resolution: 800 x 480
Contrast ratio: 500:1

Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V / 24V DC

Dimensions: 180mm(W) 23mm(D) 120mm(H)
Monitor can power cameras
Audio on CH2

PV-YW-568
5.6" Dash Mount Monitor

5.6" Digital panel
PAL / NTSC compatible
2 x 4 Pin aviation inputs
1 Trigger
Resolution: 320 x 234
Contrast ratio: 500:1

Aspect ratio: 4:3
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V / 24V DC

Dimensions: 146mm(W) 28mm(D) 110mm(H)
Monitor can power cameras
Audio on CH2

PV-YW-7WP
7" Waterproof Monitor

7" Digital panel
PAL / NTSC compatible
Guidelines & mirror selectable
3 x 4 Pin aviation input
2 Triggers

Resolution: 800 x 480
Contrast ratio: 450:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°

Operating voltage: 12V / 24V DC
Dimensions: 188mm(W) 32.5mm(D) 140mm(H)

CK-15-MON
7" Dash Mount Monitor

7" Digital panel
PAL / NTSC compatible
2 x 4 Pin aviation inputs
2 Triggers
Resolution: 800 x 480
Contrast ratio: 500:1

Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V / 24V DC

Dimensions: 195mm(W) 27mm(D) 128mm(H)
Monitor can power cameras

PV-YW501
5" Monitor

5" Digital panel
PAL / NTSC compatible
2 x RCA inputs
Trigger by video signal
Resolution: 1200 x 680
Contrast ratio: 350:1

Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°

Operating voltage: 12V DC
Dimensions: 125mm(W) 40mm(D) 95mm(H)

C-KO-MIR-5C

5" Mirror Monitor Clip On

5" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
Switches with video signal
Resolution: 480 x 272
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 500cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions: 276mm(W)
25mm(D) 97mm(H)

Rear of Product

C-KO-MIR-5S

5" Mirror Monitor with Universal Stalk

5" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
Switches with video signal
Resolution: 480 x 272
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 500cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions:
276mm(W) 25mm(D) 97mm(H)

Universal Stalk Included   Rear of Product

TC-06

4.3" Mirror Monitor Clip On

4.3" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 480 x 272
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions: 276mm(W)
30mm(D) 39mm(H)

Rear of Product

TC-05

4.3" Mirror Monitor with Universal Stalk

4.3" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 480 x 272
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions:
276mm(W) 30mm(D) 39mm(H)

Universal Stalk Included   Rear of Product

C-KO-7MM

7" Mirror Monitor Clip On

7" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 800 x 480
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions: 250mm(W)
21mm(D) 109mm(H)

Rear of Product

C-KO-75M-STALK

Mirror Monitor with Universal Stalk

7" Digital panel
PAL / NTSC compatible
2 x RCA video inputs
1 Trigger
Resolution: 800 x 480
Contrast ratio: 300:1

Aspect ratio: 16:9
Brightness: 250cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
Operating voltage: 12V DC
Dimensions:
250mm(W) 21mm(D) 109mm(H)

Universal Stalk Included   Rear of Product

STALK#1

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#3

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#2

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#12

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#7

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#42

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

STALK#35

For use with
TC-05,
C-KO-MIR-5S,
C-KO-75M-STALK

LOCAA319-0.5

AA319
LOCTITE
REAR VIEW MIRROR BONDER

Rear View Mirror Bonder
0.5ml
Suitable for glass and metal only

360° VISION/

360° 'BIRDS-EYE-VIEW

The new 360° 'Birds-Eye-View' camera system from CKO utilises 4 cameras, 1 on each side of the vehicle to provide a top down view of the entire vehicle. All the cameras include ultra-wide-angle lenses, so their field of vision overlap at the corners of the vehicle. An ECU (Electronic Control Unit) is used to blend the 4 images together to produce the look-down view and a 'vehicle mask', which looks like the vehicle, is used to cover the void that's behind the cameras (the vehicle).

Once fitted, the system will require calibrating (simply transfer a file to CKO). Calibration ensures the correct view is configured for that vehicle. The system can be used with any type and size of vehicle.

360° 'BIRDS-EYE-VIEW' Camera System

7" Monitor

ECU

Remote Control

Upgrade Options:

Digital Video Recorder

Waterproof Monitor (ideal for Plant use)

Side Sensors

Turning Warning Alarm
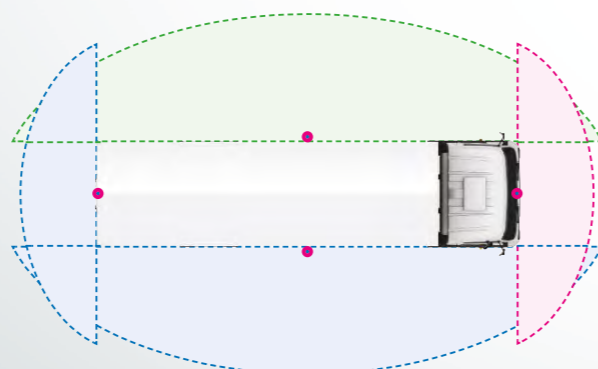
360° VISION /OMNI-VUE

360° 'BIRDS-EYE-VIEW

Once fitted, the system will require calibrating (simply transfer a file to CKO). Calibration ensures the correct view is configured for that vehicle. The system can be used with any type and size of vehicle. The 'birds-eye-view' is always displayed on the monitors primary view and the second view can automatically switch depending on the manoeuvre being carried out by the vehicle (if the correct wiring configuration exists). Whilst it is recommended to use a separate monitor for the 360° system, it is also possible to utilise the vehicles existing monitor (vehicle specific leads available on request).

The system will 'plug-and-play' connect into a DVR to allow the recording of images from all cameras. Ideal for training purposes and for protecting drivers against false insurance claims.

All cables and accessories provided
Remote configuration by experienced programmers with pre-sets for optimal birds-eye view
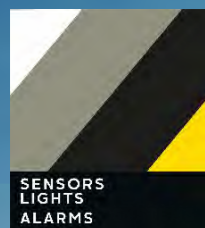Eliminates blind spots
Best option in urban environment for safety
Auto-switches when turning and reversing to the specific camera

The standard system, includes the following components:
4 ultra-wide-angle cameras (metal case, easy fit) and cables (1x18m, 2x10m & 1x5m)

CATEGORY 6

SIDE PROXIMITY SENSORS

4 Sensor Side Proximity Sensor System

C-KO-ULTRASCAN-04

4 Sensor Side Proximity Sensor System with GPS Speed Detection

Audible and visual traffic light display warning
Detection range: 0 – 200cm (selectable via dip switches)
GPS Built in off above 20Kph
Brake input
Sleep secure function
Operating voltrage: 9V - 32V DC

C-KO-ULTRASCAN-EXT

Sensor Cable Extenders for C-KO-ULTRASCAN Systems

Available in 3M

C-KO-ULTRASCAN-06

6 Sensor Side Proximity Sensor System with GPS Speed Detection

Audible and visual traffic light display warning
Detection range: 0 – 200cm
GPS Built in off above 20Kph
Brake input
Sleep secure function
Operating voltage: 9V - 32V DC

C-KO-ULTRASCAN-EXT

Sensor Cable Extenders for C-KO-ULTRASCAN Systems

Available in 1M, 2M & 4M

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LCV PARKING SENSORS

RS-2-22-RM-A

2 Head Rubberised Parking Sensors for Metal Bumpers

Push fit rubber heads
Number of heads: 2
Sensor hole size: 22Ømm
Length of cable 3m
at the furthest sensor
Detection range: 1.5m to 0.3m
Sensitivity adjustment
Operating voltage: 12V DC
20° Angled heads

RS-4-22-RM-A

4 Head Rubberised Parking Sensors for Metal Bumpers

Push fit rubber heads
Number of heads: 4
Sensor hole size: 22Ømm
Length of cable 3m
at the furthest sensor
Detection range: 1.5m to 0.3m
Sensitivity adjustment
Operating voltage: 12V DC
20° Angled heads

RS-4-22/26-RBM-B

Multipurpose 22mm Sensors with Adaptor to 26mm

4 x 22mm sensor heads
4 x 26mm sensor rings for metal bumpers
22mm & 26mm hole cutters
Buzzer included
Heads on 11cm lead
2.5m Extension lead to box
Operating voltage: 12V DC
Brain 75 x 54 x 25 mm
Detection range: 150cm / 85cm

PASSENGER CAR SENSORS

RS-4-18-R-I

18mm Parking Sensors

Audible Buzzer sounds automatically when reversing
Intelligent ECU - detects tow bars, bikes and wheel covers
4 x Sensor Heads
18.8mm Hole Cutter
Sensitivity adjustment
Operating voltage: 12V DC

Includes angle rings
Paintable sensors
Waterproof connectors detach from sensor heads

RS-PRO-OES

Advanced Intelligence Dynamic Detection Parking Sensors

Self-Learning of Sensor Positioning
PC & Android Programmable (with additional adaptor)
Compatible with CAN-Bus vehicles
Compatible with vehicles with LED
Self-Diagnosis 'fault finding'
Sensitivity and Detection adjustment by Dip Switches
Operating voltage: 12V DC

Provided with 3, 6 & 12-degree angled adaptors
Flush Fitting adaptor included
Paintable, with sensor head holder for easy painting

RS-4000-F

GPS Speed Controlled Front Parking Sensor

Quick Installation - simple live & earth
5 second off delay for traffic
Push fit gloss 22mm black heads
Sensors on between 1mph - 6mph
Length of cable 3m
at the furthest sensor
Detection range: 1.2m to 0.3m
Operating voltage: 12V DC
Variable volume

Buzzer included
Optional display available
Rear version available without GPS (RS-4000)

Sensor Extension Cables

SENSOR ACCESSORIES

C-KO-ULTRASCAN-01

4 Sensor Side Proximity Sensor System

Audible and visual warning
Detection range: 0 – 200cm (selectable via dip switches)
Works off the brake and indicator
Supplied with manual override switch
Buzzer and LED work on indicator
Only LED works on the brake
Operating voltage: 24V DC
Sensor horizontal detection angle 89°
Sensor vertical detection angle 43°

ULTRASCAN-MOUNT

**Metal Underhanging Mount
for Sensors**

RS-DISPLAY

Visual Distance Display

Compatible with:
RS-4-18-R-I
RS-2-22-RM-A
RS-4-22-RM-A
RS-22/26-RMB

See price list for specific compatible parts)

RS-PRO-ANDROID

Android Adaptor for PRO-OES
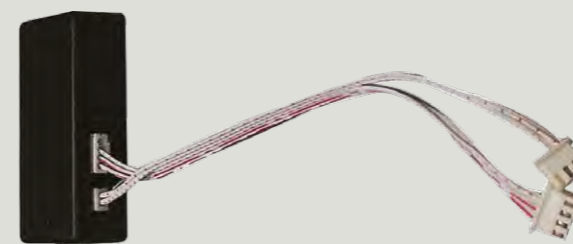
**Change settings on the parking sensors
using an Android device**

APK. Software included
Plug into ECU module

RS-PS-EXT

Sensor Extension Cable

3 Metre Length

See price list for specific compatible parts

RS-PRO-ADAPTOR

Update Settings on the PRO-OES Parking Sensors

**Update Settings
on the PRO-OES Parking Sensors**

Software included (FOR USE WITH PC)
Plug into ECU module

Pro-OES Adapter
PAT-E1301-01

SENSORS
LIGHTS
ALARMS

ALARM-A-LIGHT
Talking audio alert

WARNING ALARMS & Lighting

Handbrake Warning Alarm

If the driver door is opened whilst the handbrake is not engaged the alarm will sound
"Warning, handbrake not applied"
Connected to handbrake and door trigger

AVSM14CLH

Left Turn Alarm

Single unit ideal for small vehicles where 1 alarm will suffice. UK Spec – LEFT TURN
Automatically mutes when hazards are in operation to avoid confusion.
Talking audio alert
'STAND CLEAR, THIS VEHICLE IS TURNING LEFT'
Rated voltage: 12/24 dc
Rated current 0.4a
Db rating 85 db @ 1 metre
Frequency rating 2500 +/- 10%
Modulation 80 per minute
Overvoltage & surge protected
Reverse polarity protected
Fully encapsulated waterproof to IP65 minimum
Dimensions 122 x 81 x 55mm
Right turn alarm alternative also available

AVAL2-14CLHO

ALARM-A-LIGHT

Talking audio alert
'STAND CLEAR, THIS VEHICLE IS TURNING LEFT'
Orange LED talking Alarm-a-light.
The ultimate alarm and light warning system.
When the alarm is activated the lights flash in unison with the sound, when mute or half volume are selected the lights flash brighter to highlight the danger.
Dual voltage
CE and emc approved
M.I.R.A. Tested for all on and off highway applications Epoxy sealed for greater durability against water
Complete with anti-vibration gasket and mounting screws
E marked e11*72/245*2009/19*7568*00
10R approved 10R-037568
Rear and right turn alarm alternatives available

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AVRWN02

Non-Bleeping Multi-Frequency Sound
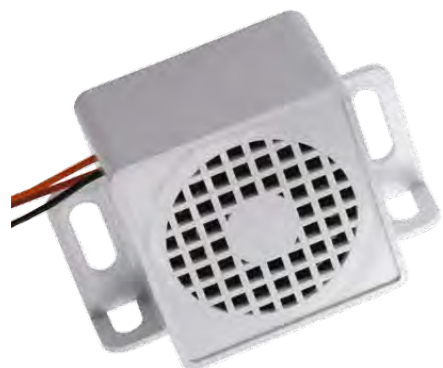
Operating voltage: 12V / 24V DC
Working voltage range: 9v thru 28v
Rated current 0.50mA
Db rating 88dB
Overvoltage & surge protected
Reverse polarity protected
Fully encapsulated waterproof
to ip65 minimum

Dimensions:
100mm (L) x 65mm (H) x 46mm (D)
AVRWN02 - Night silent
through orange wire
AVRWN02R2 - Night silent
through double engage

AVR15C

Reverse Vocal Alarm

"This vehicle is reversing ..."
Operating voltage: 12V / 24V DC
Working voltage range: 9v thru 28v
Rated current 0.4a and below at
rated voltage
Db rating 100db @ 1 metre
Frequency rating 1300 +/- 10%
Modulation 70 per minute
Overvoltage & surge protected
Reverse polarity protected
Fully encapsulated waterproof
to ip65 minimum

Dimensions: 75 x 70ø mm
Night silent through orange wire

ALM-PROG

Programmable Alarm

4MB
MP3 File
USB
Operating voltage: 12V / 24V DC
Dimensions: 105 x 45 x 68 mm

AVR81

Night Silent Reverse Alarm

Operating voltage: 12V / 24V DC
Working voltage range:
9v thru 28v
Rated current 0.4a and below
at rated voltage
Db rating 100db @ 1 metre
Frequency rating 1300 +/- 10%
Modulation 70 per minute
Overvoltage & surge protected
Reverse polarity protected

Fully encapsulated waterproof to ip65
minimum
Dimensions: 73.5 x 70ø mm
Night silent through orange wire

AVR85R2

Double Engage Reverse Alarm

Operating voltage: 12V / 24V DC
Rated current 0.4a and below
at rated voltage
Min db rating 92db @ 1 metre
Frequency rating 900 +/- 10%
Modulation: 70 per minute
Overvoltage & surge protected
Reverse polarity protected
Fully encapsulated waterproof
to ip65 minimum
Dimensions: 101 x 67 x 45mm
Case material abs

Operating temperature
-40c to + 85c

AVR85-3

Night Silent Reverse Alarm

Operating voltage: 12V / 24V DC
Rated current 0.4a and below
at rated voltage
Min db rating 92db @ 1 metre
Frequency rating 900 +/- 10%
Modulation: 70 per minute
Overvoltage & surge protected
Reverse polarity protected
Fully encapsulated waterproof to
ip65 minimum
Dimensions 101 x 67 x 45mm
Case material abs
Operating temperature

-40c to + 85c
Night silent
through orange wire

LED-WL606-F
Flood Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Output: 27W (9*3wLEDs) - 1400LM
Patterns: Flood Beam
Die Cast Aluminium Housing
Magnetic Base

LED-WLCAM
Work Light with Built in Camera

24W Flood 8 x LED Work Light
4 Pin aviation connection
TV system: PAL
Effective pixels: 976 x 592
Viewing angle: 110°(H) 90°(V)
Image device: 1/3" CMOS
Focal length: f: 2.1mm
Operating voltage: 12V / 24V DC
Dimensions: 114mm(W) 51mm(D) 150mm(H)

LED-WL603-F
Flood Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Output: 48W (16*3wLEDs) - 2400LM
Patterns: Flood Beam
Die Cast Aluminium Housing
Stainless Steel Bracket

LED-WL604-S
Spot Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Output: 12W (4*3wLEDs) - 1080LLMM
Patterns: Spot Beam
Die Cast Aluminium Housing
Stainless Steel Bracket

LED-WL601-S
Spot Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Die Cast Aluminium Housing
Output: 18W (6*3w LEDs) - 1260LM
Patterns: Spot Beam
Stainless Steel Bracket

LED-WL602-F
Flood Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Output: 27W (9*3wLEDs) - 1400LM
Patterns: Flood Beam
Die Cast Aluminium Housing
Stainless Steel Bracket

LED-WL605-F
Flood Work Light

Approval: ECE R10 Approved
Voltage: 10-30V DC
IP Rating: IP67
Warranty: 1 Year Warranty
Output: 27W (9*3wLEDs) - 1400LM
Patterns: Flood Beam
Die Cast Aluminium Housing
Stainless Steel Bracket

LED-6HA

Amber LED Heads

Approval: ECE R10/R65

Operating voltage: 12V/24V DC

IP Rating: IP67

Output: 9 x 3W LEDs

Patterns: 18 Flash Patterns

Synchronisation wire

Dimensions: 128mm x 28mm x 19mm

LPR103DVA

Low Profile Amber Strobe

Approval: ECE R10/R65

Operating voltage: 12V/24V DC

IP Rating: IP67

Output: 3 x 1W LEDs

Patterns: 11 Flash Patterns

Synchronisation with up to 20 lights

Dimensions: 89mm x 30mm x 8mm

4 and 6 LED versions are also available

LED3DVA180

Amber Strobe Light

180° visibility

Approval: ECE R10/R65

Operating voltage: 12V/24V DC

IP Rating: IP67

Output: 3 x 1W LEDs

Patterns: 10 Flash Patterns

Synchronisation with up to 10 lights

Dimensions: 111mm x 37mm x 23m

LED3DVA

Amber Strobe Light

Approval: ECE R10/R65

Operating voltage: 12V/24V DC

IP Rating: IP67

Output: 3 x 3W LEDs

Patterns: 10 Flash Patterns

Synchronisation with up to 10 lights

Dimensions: 94mm x 37mm x 27mm

LED-4HA

Amber LED Heads

Approval: ECE R10/R65

Operating voltage: 12V/24V DC

IP Rating: IP67

Output: 9 x 3W LEDs

Patterns: 18 Flash Patterns

Synchronisation wire

Dimensions: 95.5mm x 28mm x 19mm

INTERIOR LIGHTS

13026WM-PIR

PIR Motion Sense Interior LED Light

51x 0.5watt LEDs
750 effective lumens
Dimensions: Ø130mm x 18.5mm

Operating voltage: 12V / 24V DC
Colour temperature: 4500K
Diffused polycarbonate lens
ECE R10 approved

13614WM-PIR

27x 0.5watt LEDs
450 effective lumens
Dimensions: 136mm x 66mm x 16mm

18621WM-PIR

42x 0.5watt LEDs
650 effective lumens
Dimensions: 186mm x 66mm x 16mm

LED-INT-173

Output: 22 High
Powered LEDs
Dimensions: 173mm x 57mm x 15mm

LED-INT-300

Output: 54 High
Powered LEDs
Dimensions: 300mm x 57mm x 15mm

Interior Light Strip

Slimline Design
180° Light Dispersion
Aluminium alloy housing
Polycarbonate Construction
Frosted Lens for diffused light
Operating voltage: 10V / 30V DC

LED-INT-510

Output: 30 High Powered LEDs
Slimline Design

Interior Light Strip

180° Light Dispersion
Silicon Lens
Dimensions: 533mm Length
Aluminium Housing
Operating voltage: 12V DC

DAY RUNNING LIGHTS

DRL-VIN-C01

Curved Day Running Light

Sold in pairs

5 x CREE LED Bulbs per lamp

6500K LED

Operating voltage: 12V / 24V DC

Turn on when ACC connected

3 options for headlight connection

1. White Off

2. Green Dim Medium

3. Brown Dim Low

Lamp dimensions: 20mm (H) x 295mm (L) x 90mm (D)

DRL-VIN-C02

Curved Day Running Light

Sold in pairs

5 x CREE LED Bulbs per lamp

6500K LED

Operating voltage: 12V / 24V DC

Turn on when ACC connected

Turn off when headlights on

Lamp dimensions: 20mm (H) x 245mm (L) x 70mm (D

HEATED SEATS

High / Low Switch
Heated Seats

QZ-CK02/A0(A)

High / Low Switch Split Pad Heated Seats

4 Pads per seat
High / Low / Off Switch
Pad Dimensions: 138 x 500mm
45 degrees C - 70 degrees C
12 Volt
E-Marked

QZ-CK01/A0(D)

3 Stage Heated Seat Pads

2 pad heated seat elements
2 pads per seat
3 stage variable heat settings
Carbon fibre design
Max temp 70C
50W max power consumption
Current drain 4.2A (max), 2.5A (med) 1.25A (low)
Dimensions 450 x 280 x 0.3mm

QZ-CK01/A0(A)

High / Low Switch Heated Seats

2 pads for one seat
High / Low / Off Switch
Pad Dimensions: 277 x 545mm
45 degrees C - 70 degrees C
12 Volt
E-Marked

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PASSENGER VEHICLE ACCESSORIES
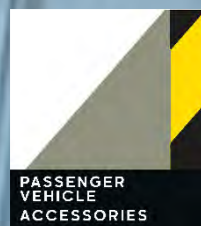
ROOF MOUNTED

RM-HD102-DVD-B
10.2" DVD Roof Mount Monitor

10" Digital TFT panel
Resolution: 1024 x 600
Touch button controls
Built in surrounding light
Panel open angle: 180°
2 AV inputs / 1 AV output
Built in USB port and SD card slot
Built in IR & FM Transmitter
Built in HDMI input port
Colour: Black
Dimensions:
310 (side – side) x 278
(front – back)
215 (screen drop) mm

RM-173-HD-BLACK

17.3" Roof Mount Monitor

Drop down roof monitor

17.3" TFT LCD panel - LED edge lit screen

Resolution: 1920 x 1080 (full HD)

Aspect ratio: 16:9 - Contrast ratio: 10000:1

PAL/NTSC auto switching

3 Video inputs (2x RCA, 1x HDMI)

2 Audio inputs (1x RCA, 1x HDMI)

Power: 12V DC
Built in speakers
Built in single channel IR transmitter
Built in FM transmitter
HDMI input supports up to 1080p
Supports USB up to 32GB
Supports Micro SD card up to 32GB

Dimensions: 458 (side - side) x 340 (front - back)
275 (screen drop) mm

RM-HD133-DVD

13.3" DVD Roof Mount Monitor

13.3" TFT LCD panel - LED edge lit screen

Resolution: 1280 x 800

Aspect ratio: 16:9 - Contrast ratio: 1000:1

PAL/NTSC auto switching

2 AV inputs (one via fly lead, one via 3.5mm jack

on the side of the unit)

1 AV output - Power: 12V DC

Built in speakers - Built in dual channel
IR transmitter
Built in FM transmitter
HDMI input supports up to 1080p
Supports USB up to 32GB
Supports SD card up to 32GB
Door light trigger

Black and Grey covers included
Dimensions: 416 (side - side) x 353 (front - back)
250 (screen drop) mm

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C-KO-HR-POD-BENTLEY

10.1" Ultra-thin Touch Screen Android Headrest Player

Sold in pairs
Android 4.4.4 O.S.
10.1-inch digital screen
24-bit true colour/LED low
power consumption backlight
Multi-points capacitive touch screen
Powerful ARM Cortex-A7 platform
1G DDR3 (quad-core) Built-in 8GB FLASH storage
High definition panel:1024(W)**(RGB)*600(H)
Built-in IR/FM Transmitter
USB/Micro SD card reader
Built-in Bluetooth
Earphone jack
Power supply: DC12V
1-way video input, 1-way
audio input & 1-way audio output
Micro-SD(H): Max:64G
Built-in dual speakers
Support Wi-Fi 802.1.1 b/g/n
Includes mounting bracket

DVBT-HD630

DVBT-T2 TV Tuner with Antenna

Rear camera input with voltage trigger (RCA)
Monitor port for device control with select head units
(Sony, Kenwood and JVC)
Tuner type: DVBT-T2
Number of tuners: 2
Output resolution: 1080p
TV system: PAL/NTSC
Frequency range: VHF and UHF band
Antenna: Active 5V
USB inputs: 2 (1 charge, 1 media)
RCA input: 1
HDMI input: 1
RCA output: 1
HDMI output: 1
HDD support: Yes up to 2TB
MHL support: Yes (Apple, Android)
Dimensions: 185mm(W) 130mm (L) 30mm (H)
Connection type: RCA, HDMI, F Connector

C-KO-HR-POD-HDMI-DVD-BL

9" Headrest Pod

Sold in pairs
9" TFT LCD panel
LED edge lit screen
Resolution: 800 x 480
Aspect ratio: 16:9
Contrast ratio: 10000:1
PAL/NTSC auto switching
1 AV input
1 AV output
Power: 12V DC
Built in speakers
Built in dual channel IR transmitter
Built in FM transmitter
HDMI input supports up to 1080p
Supports USB up to 32GB
Dimensions: 340mm x 325mm x 250mm

NESA-DVD-1005

Slim DVD Player with DIN Cage Fitting

In car DVD player
Din cage conversion kit supplied
Output resolution: 576i
Disc support: DVD, CD, CDR, CDRW, VCD
Mounting: Vertical / Horizontal
TV system: PAL / NTSC
RCA output
USB input
External remote eye
Power consumption: 1.5A
Operating voltage: 12V DC
Dimensions: 146mm (W) x 179mm (D) x 38mm (H)

ROSEN

ROSEN-AV7950H

Rosen Rear Seat Entertainment

Compatibility: DVD, CD, MP3, HDMI
USB charging port
Wireless remote control - 2-fold flat headphones
7" high definition digital LCD display
Media FM transmitter - media sharing between displays
Tilt screen

Headrest replacement with tablet-look styling, capacitive touch controls and the ability to configure the system to meet the family's needs. System includes two factory-match headrests with integrated 7.0" LCD Hi-Def displays, choice of media source devices, HDMI input to connect your smartphone, tablet or other HDMI devices like Google Chromecast, Roku Stick, Amazon Fire TV Stick to stream video via a Wi-Fi connection, auxiliary input for external sources, full system controls, 2-way up-down tilt, all-channel FM transmitter to play audio through the vehicles sound system, the ability to add front seat remote controls for each screen, a second auxiliary input for video game consoles, outputs for 2 additional screens and more.

HP-230

Dual Channel IR Headphones

2 Channel Infrared Headphone
Adjustable silicone headband and faux leather ear pads for maximum comfort
Ear cups swivel independently and fold flat for convenient storage
Built-in mute switch

7.5m maximum operational range
Auto off timer to increase battery life
40mm Mylar extended frequency driver Variable volume level control
Channel 1: Left 2.3mHz, Right 2.8mHz
Channel 2: Left 3.2mHz, Right 3.8mHz
Requires 2 AAA batteries (included)
Supplied with soft touch cinch carry bag

VST-VHP-KIT

RF Headphone Kit

2 x RF Headphones
1 x Transmitter
Dual Channel RF
900MHz
Foldable design
Hard storage case included
Headphones require
2 x AAA batteries each
Transmitter with 2 inputs
Transmitter Dimensions: 180 x 70 x 25mm
Additional headphones also available

ROSEN-AC3640

Fold Flat Design

Wireless Dual Channel Headphone
Rosen
AAA Batteries supplied
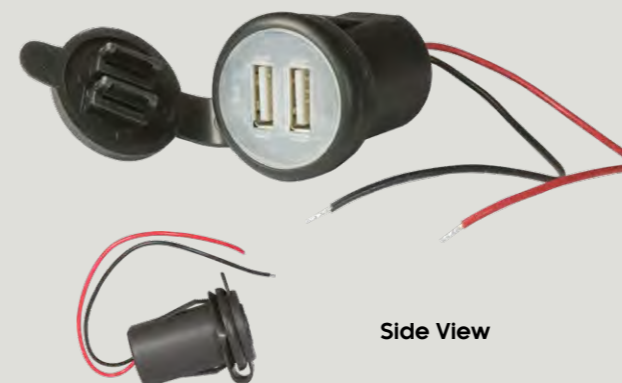Volume Switch on Earpiece for easy adjustment

**CABLES
ACCESSORIES
CONSUMABLES**

USB Charging Point

USB CHARGERS

USB-CHARGE-3
USB Charging Point

Side View

2 Port USB Socket
Push fit charger
Rubber dust cover
Output voltage: 5V
Output rating: 3.1A total
Operating voltage: 12V / 24V DC
Dimensions: 35mm(W) 40mm(D) 35mm(H)

USB-CHARGE-4
USB Charging Point

2 Port USB Socket
Standard nut installation charger
Rubber dust cover
Output voltage: 5V
Output rating: 3.1A total
Operating voltage: 12V / 24V DC
Dimensions: 60mm(W) 40mm(D) 43mm(H)

USB-CHARGE-5
USB Charging Point

Illuminated Colour Option

Single Port
Output voltage: 5V
Output rating: 2.4A
Operating voltage: 12V / 24V DC
Available in 3 different colours
Red, white & blue

USB-12V-MINI
12 Volt to 5 Volt

For use with dash cameras
and other 5-volt applications
Mini USB connection
Fused

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CAN Bus Interfaces

CANM8-SCAN
CAN Bus Interface

The CANM8 CANNECT CAMSCAN interface is the ultimate CAN Bus interface
for the control of external safety cameras
and side scan systems on vehicles
which feature CAN Bus wiring.
Speed 12V (1A max) when the vehicle speed is 0 - 15 MPH.
Reverse 12V (1A max) when reverse gear is selected.
Left Indicator Continuous 12V (1A max) when the left indicator is active
and the vehicle speed is 0 - 15 MPH.
Right Indicator Continuous 12V (1A max) when the right indicator is active
and the vehicle speed is 0 - 15 MPH.

CANM8-PARKONE

12V out when vehicle between 0 – 6mph

The CANM8-PARKONE is an ideal solution for people who are fitting parking sensors to the front of a vehicle and don't wish to use the brakes or a switch to activate the front sensors.
Ideal for use when installing parking sensors to the front of a 12V vehicle.
24V version also available

CANM8-PARK1-R

12V out when Reverse Gear is selected

The CANM8-PARK1-R is an ideal solution for people who are fitting parking sensors to the rear of a vehicle and have LED lights or CAN controlled lights which might show an error with the parking sensors connected.
Ideal for use when installing parking sensors to the rear of a 12V vehicle.

AVRRS6

Timed Cut Off Switch
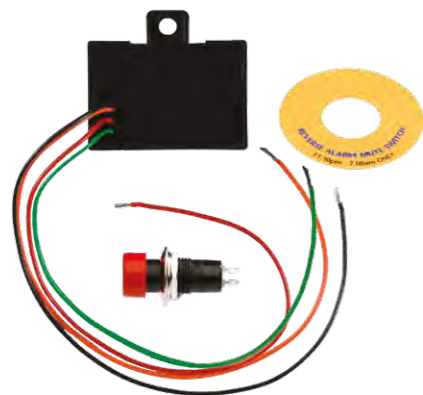
Six-minute timer cut-out

Auto reset

Dual voltage: 12V / 24V DC

IP67 rated - sealed against mud, water and vibration

30(H) x 88(W) x 47(D)

Can be used with any alarm

AVSPC12

12V Heavy Duty
Split Charger - 200A
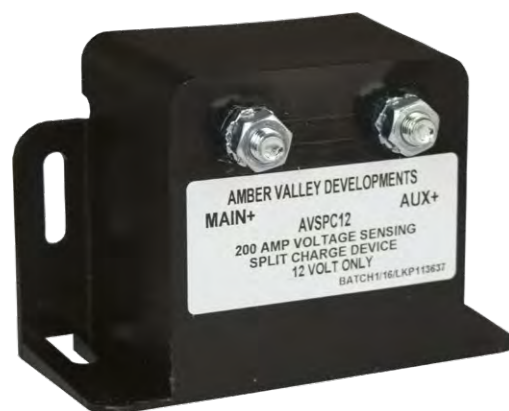
Designed for equipment powered form auxiliary batteries

cannot drain the starting battery.

Rating amps: 200 A

Size: 120 x 80 x 70

Studs size: M8

Quiescent current: 1 mA

Switching voltages: 13.4V - 12.5V

24 Volt version also available

AVSPC400

Heavy Duty Charge Guard

The 400-amp version can cope with virtually all split charging require-ments. It is ideally suited for vehicles such as breakdown vehicles where there is a high requirement for power to run tyre changing ma-chinery. The relay is a double latching relay which draws zero current in either mode.

Image device: 1/3" SONY CCD

Focal length: f: 2.3mm

Operating voltage: 12V DC

Dimensions:

39mm(W) 35mm(D) 30mm(H)

AVSMMOD1

Indicator Module
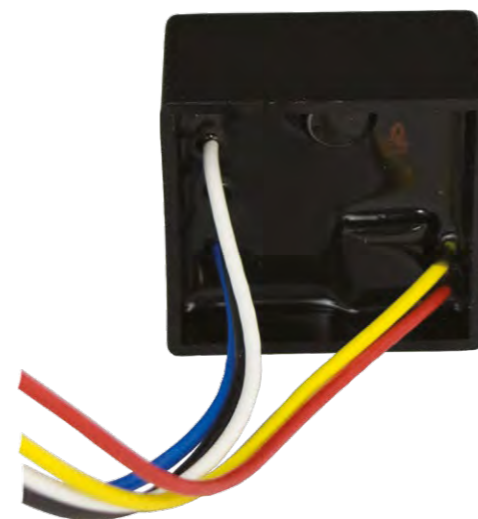
Indicator Control Unit

Dual voltage: 12V / 24V DC

Potted to withstand vibration

Solid state electronics

Fully waterproof

Universal – fits all known applications

Compact – easily fits under dashboard

AVSPLIMO1

Speed Sensing Device
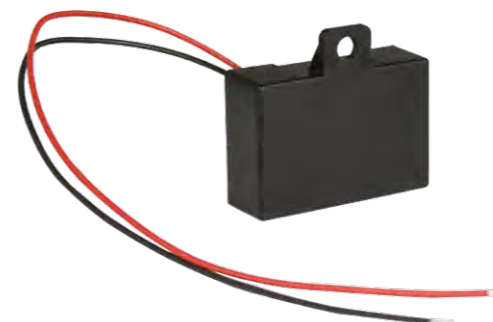
Speed sensing device designed to turn off side scan, front sensors or side alarms above a predefined speed.

Dual voltage: 12V / 24V DC

Waterproof and dustproof

Multi-setting speeds available

Compatible with most quality manufactured products

SCAM-SPACER

Allows Side Cameras to be Mounted Further Out

Product may need to be adapted for use with all cameras

25mm deep

CKO-589-DM

Monitor Bracket

Quick release bracket to remove monitor

Self-adhesive pad

attached to base

CA-COVER

Camera Cover for Front Facing Cameras

Mounts onto windscreen to prevent driver interference

C-KO-DM-03

Monitor Bracket

Self-adhesive pad attached to base

C-KO-BRACKET

Monitor Bracket

Self-adhesive pad attached to base

C-KO-DM-04

Monitor Bracket

Self-adhesive pad attached to base

CAB-SV-MTR-4PIN

**4 Pin Aviation
Screw Cables**

Available in 1, 3, 5, 7.5, 10, 15, 20 & 25 Metre
Male to female 4 Pin extensions

TOT-MON/DVR-2

**Female to Female
4 Pin**

Power not terminated

TOT-MON/DVR

Adaptor Cable for DVR / Monitor

Female 4 Pin aviation connection to RCA and power

TOT-CAM-1

Camera Adaptor Cable

Male 4 Pin to Phono male video and Phono male audio
Unterminated bare end for live and earth

CAB-4SCR-SPLITTER

1 x Male to 2 x Female 4 Pin Splitter

TOT-MON/DVR-3

Adaptor Cable with BNC

Female 4 Pin aviation to BNC for video, RCA for audio and female power

GO-CONV-LEAD

4 Pin Aviation to S-Video

CAB-HSDM-4PIN

Male HSD Water Blue to 4 Pin Connection Power, Video & Ground as standard

CAB-VGA-5M

VGA Lead for DVR
Lead for connecting DVR to a VGA monitor

CAB-HSD-4PIN

Female HSD Water Blue to 4 Pin Connection Power, Video & Ground as standard

TOT-CAM-2
4 Pin Aviation to Video Phono and DC Socket

TOT-CAM-5
4 Pin Aviation to Video & Audio Phono and DC Socket

TOT-CAM-3
4 Pin Aviation to Fakra Water Blue video, Audio Phono and DC Socket

TOT-CAM-6
4 Pin Aviation to Video Phono and Bare Ends

TOT-CAM-4
4 Pin Aviation to Video Phono and Bare Ends

TOT-CAM-7
4 Pin Aviation to Video Phono and DC Plug

TOT-BARE-MALE
Bare End Male Aviation

TOT-BARE-FEMALE-2
Bare End Female Aviation x 2

TOT-BARE-MALE-2
Bare End Male Aviation x 2

TOT-DC25
Bare End Power Lead
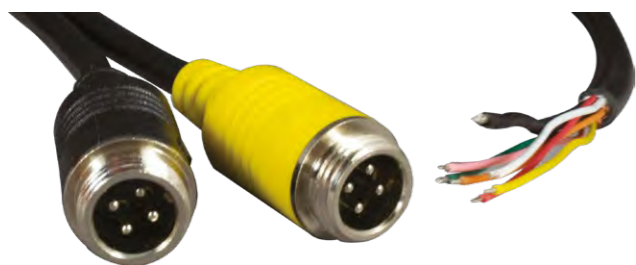
TOT-BARE-FEMALE
Bare End Female Aviation
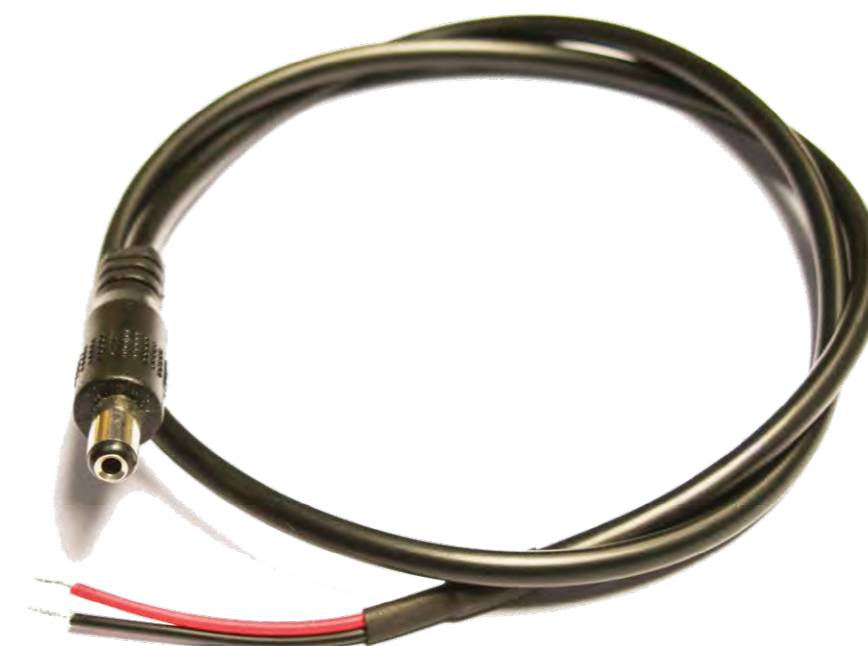
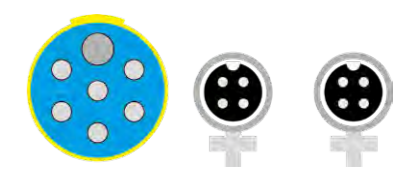## CAV-TRACTOR-1-V

Socket for Single Camera
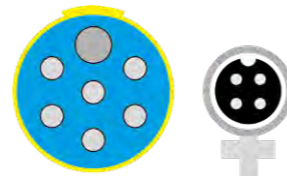
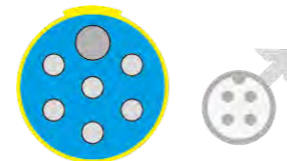Female 4 Pin

CAV-TRACTOR-2-V

Socket for Two Cameras

Female 4 Pin x 2

CAV-TRAILER-1-V

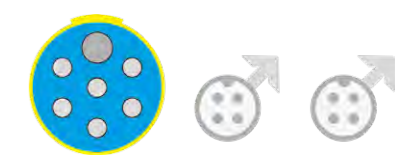**Socket for One Camera**

Male 4 Pin

CAV-TRAILER-2-V

Socket for Two Cameras

Male 4 Pin x 2

Custom versions can be manufactured, usual lead time 4-6 weeks.

CAV20-40

Blue Coil

Yellow 24N Connectors
Compatible with blue label sockets
4 Metre 7 Core

CAV20-20

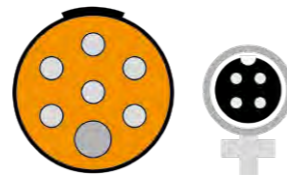**Straight Mount for Sockets**

Supplied with nuts & bolts

CAV-TRACTOR-1

Socket for Single Camera

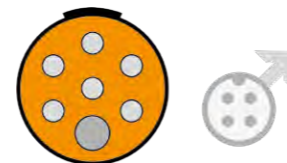Female 4 Pin

CAV-TRACTOR-2

Socket for Two Cameras

Female 4 Pin x 2

CAV-TRAILER-1

Socket for One Camera
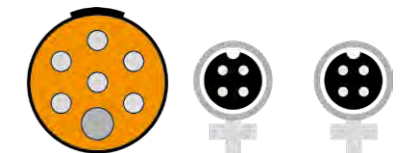
Male 4 Pin

CAV-TRAILER-2

Socket for Two Cameras

Male 4 Pin x 2

CAV20-10

Right Angle Mount for Sockets

Supplied with nuts & bolts

CAV20-01

Orange with Inverted 24N Connectors

Inverted large pin to avoid incorrect connection
of camera system to other equipment
Compatible with orange label sockets
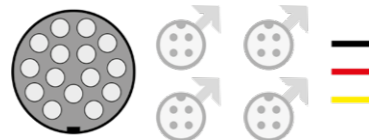4 Metre 7 Core

CA-SUZI-CAM-4

Tractor Socket for 4 Cameras

15 Pin connectors
4 x Female aviation leads
3 x Bare ended cables

CAB-4PIN-12/24

24 Volt to 12 Volt Dropper

4 Pin aviation connection

CA-SUZI-MON-4

Trailer Socket for 4 Cameras

15 Pin connectors
4 x Male aviation leads
3 x Bare ended cables

CA-SW-I-4PIN

Automatically Detects and
Switches when Suzi Connected
Compatible with D1, AHD & 1080p cameras
2 Camera input - 1 Video output
4 Pin aviation connection
12V DC - Dimensions: 111mm x 63mm x 31mm

CA-SUZI-COIL-15PIN

4 Metre 15 Core Electrical Coil

CAMERA SYSTEM

4 Pin Intelligent Switcher

Automatically detects connection of second camera.
Ideal for increasing artic safety with an additional
camera on the rear of the tractor.
Use with CKO suzi cables and connectors.
Additional 4 Pin cables of various lengths available.

Automatically switches to second
camera on connection

SD Card

See Price List for P/N

Available in various memory capacity, part number signifies capacity
Class 10

TF Card

See Price List for P/N

Available in various memory capacity, part number signifies capacity
Class 10
PRO version also available

2.5" Hard Disc Drive

See Price List for P/N

2-year manufacturer warranty
Available in 1TB or 2TB capacity
7mm - SATA III-6Gb/s
5400rpm
128MB Cache

2.5" Solid State Drive

See Price List for P/N

Solid state drive
5-year manufacturer warranty
Available in 250MB, 500MB, 1TB & 2TB capacity
7mm
SATA III-6Gb/s

CT-TRAY

Spare DVR caddy

Supplied without media installed
Please note that DVR needs to format new media to allow recording to begin
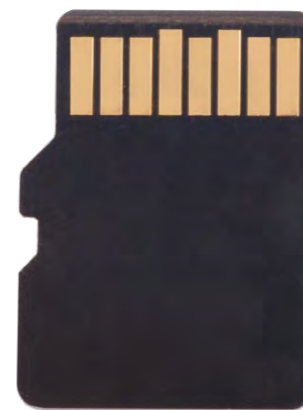USB 2.0 Type B connection on rear

CT-MIC

Discrete Microphone for Audio Recording

Discrete Microphone for Audio Recording
Requires 12V DC

CT-SOS

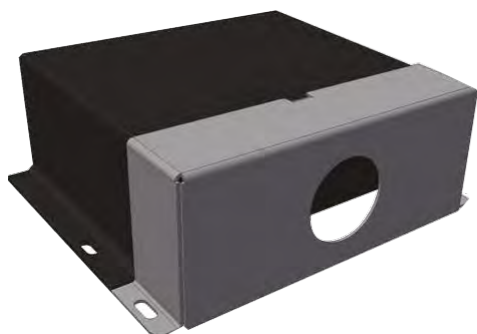**SOS Button and IR / LED Status Light Extension**

Push to make switch

When pressed alerts operator of an event

CT-CASE

Cable Tampering Preventer

Prevents drivers removing cables from the rear of the DVR

DVR-A1-ANT

**External Multipurpose Antenna
4G, 3G, Wi-Fi and GPS**

3M adhesive and fastened by three self-tapping screws

120mm diameter

3metre lead

SMA Male connection

DVR-3G/4G-ANT

External 3G / 4G Antenna

SMA Male connection

CT-SWITCH

Illuminated Incident Switch

Push to make switch

When pressed alerts operator of an event

Dimly illuminated to show DVR has power

Includes label

22mm hole diameter

12 Volt

CT-REMOTE

**Spare Remote Control
for DVR**

Supplied with battery

Additional batteries also available

CT-USB-LEAD

Connection from CT-Tray to PC

USB 2.0 Type A to Type B

CPC-CN16000

Female to Male

CPC-CN00545

Male to Male

PSG02786

Male to Female

PSG01881

Female to Female

CPC-CN05261

Male to Male

CPC-CN04147

HDMI-M

HDMI Cables
Available in 1, 3, 5 & 10 Metres

RCA-VIDEO-M

Video Cables
Male to Male Phono
Available in 1.2, 3, 5, 10 & 20 Metres

RCA-M

Audio & Video Cables
Male to Male Phono
Available in 1.2, 3, 5, 10 & 20 Metres

CPC-AV02488

3.5mm Conversion to Phono

CPC-AV00999

3.5mm Conversion to Phono

MAD-PX070

Phono Y-Lead
1 x Female to 2 x Male

MAD-PX071

Phono Y-Lead
1 x Male to 2 x Female

SW-ROC

Rocker Switch

SW-LED

Illuminated 12V DC
Push to make

SH6

Momentary Switch

SW-ROC-#

Rocker Switch with Status LED
Available in blue, green, amber & red

DP1

Door Switch
Circuit open when door closed

MNRY-4-12 / MNRY-4-24 — Make & Break Relay

4 Pin
12V DC or 24V DC

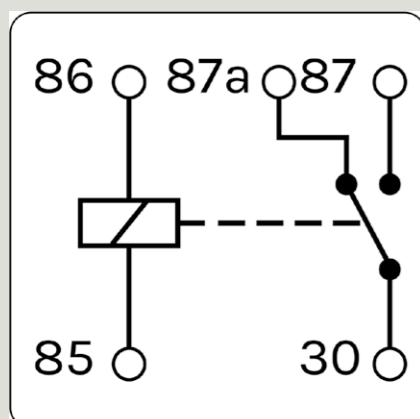## MNRY-5-12D — Changeover Relay
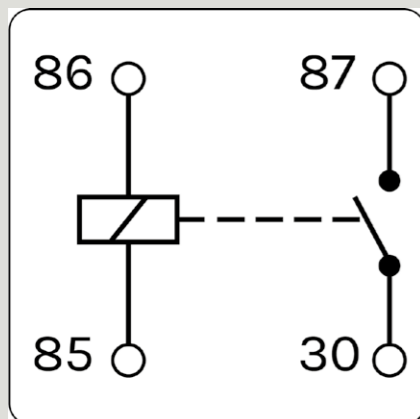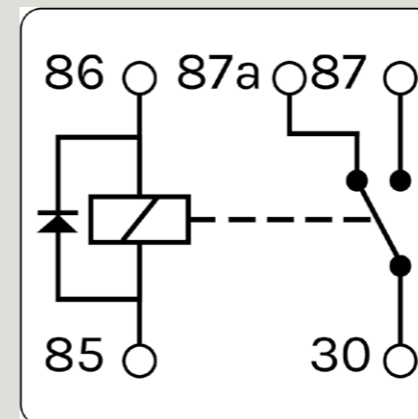
Changeover Relay
with Diode
5 Pin
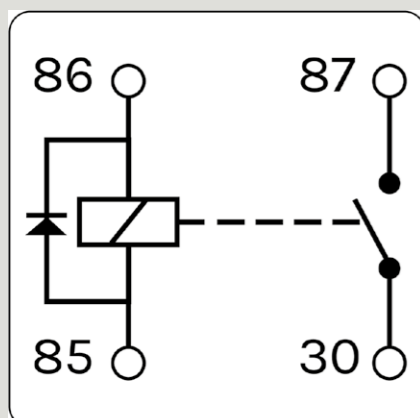12V DC

MNRY-5-12 / MNRY-5-24 — Changeover Relay

5 Pin
12V DC or 24V DC

RY100

Relay Holder with Connections

MNRY-4-12D — Make & Break Relay

Make & Break Relay
with Diode
4 Pin
12V DC

POWER INVERTERS

POWER INVERTERS

SIB-SWR

Remote Control and Display Panel
10 Metres of cable

Power Inverter   **12 Volt Pure Sine Wave Inverters**

12 Volt Pure Sine Wave Inverters
Pure Sine Wave Inverters. Replicates true shore power, suitable for all appliances.
Twin socket adjustable between centre tapped earth and neutral earth bonding. USB charger.
Adjustable between Neutral Earth
Bonding and Centre Tapping. No DC cables supplied.

Model	Remote	Weight Kg	Size L x W x D mm	Cables	Part Number
12V 200W Twin Sockets	Optional Extra	1.4	210 x 190 x 85	1m Cigg Plug	SIB12200
12V 300W Twin Sockets	Optional Extra	1.4	210 x 190 x 85	1m DC 8mm ring	SIB12300
12V 600W Twin Sockets	Optional Extra	2.2	250 x 190 x 85	1m DC 8mm ring	SIB12600
12V 1000W Twin Sockets	Optional Extra	2	300 x 190 x 85	8mm connection	SIB121000
12V 1600W Twin Sockets	Optional Extra	3.6	300 x 190 x 85	8mm connection	SIB121600

Power Inverter   **24 Volt Pure Sine Wave Inverters**

Pure Sine Wave Inverters. Replicates true shore power, suitable for all appliances.
Twin socket adjustable between centre tapped earth and neutral earth bonding. USB charger. Adjustable between Neutral Earth Bonding and
Centre Tapping. No DC cables supplied.

Model	Remote	Weight Kg	Size L x W x D mm	Cables	Part Number
24V 200W Twin Sockets	Optional Extra	1.4	210 x 190 x 85	1m Cigg Plug	SIB24200
24V 300W Twin Sockets	Optional Extra	1.4	210 x 190 x 85	1m DC 8mm ring	SIB24300
24V 600W Twin Sockets	Optional Extra	2.2	250 x 190 x 85	1m DC 8mm ring	SIB24600
24V 1000W Twin Sockets	Optional Extra	2	300 x 190 x 85	1m DC 8mm ring	SIB241000
24V 1600W Twin Sockets	Optional Extra	3.6	300 x 190 x 85	8mm connection	SIB241600

CABLES
ACCESSORIES
CONSUMABLES
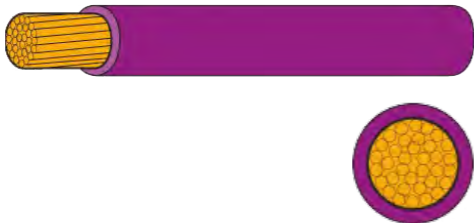
5 Way Female SuperSeal Connectors

Single Core

Available in:

Black, Red, Yellow, Blue, Pink, Orange, Grey, Green, Brown

Reel size (metres): 50, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW.5	16/0.20	0.5	1.6	11
TW.75	24/0.20	0.75	1.75	14
TW1.0	32/0.20	1	1.95	16.5
TW1.5	21/0.30	1.5	2.3	21

Flat Twin Core

Reel size (metres): 30, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW02/06	2 x 16/0.20	2 x 0.5	2.7 x 4.6	11
TW02/04	2 x 24/0.20	2 x 0.75	3.1 x 4.9	14
TW02/01	2 x 32/0.20	2 x 1.0	3.0 x 5.0	16.5

Twin Core

Reel size (metres): 30, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW02/21	2 x 16/0.20	2 x 0.5	5.2	11
TW02/22	2 x 24/0.20	2 x 0.75	5.3	14
TW02/03	2 x 32/0.20	2 x 1.0	5	16.5

Automotive Cable
Cores manufactured to
ISO 6722-1:2011
(Class B) 105°C
Plain Copper Conductors
to BS EN 60228:2005 - PVC Insulated
Single core suitable for use at temperatures from -40°C to 105°C
with excursions up to 120°C

Twins and multicores PVC sheathed at 70°C
Suitable for 12V and 24V systems
(Maximum voltage 60V)
Reduced insulation gives considerable savings in weight and volume especially when used in large wiring harnesses
Good resistance to petrol, diesel, lubricating oils and diluted acids PVC insulation offers good resistance to abrasion and cut through.

*The conductor specifications shown arerepresentive configurations, actual cable strand may differ slightly, but will meet resistance values shown. **Nominal current amperage ratings are provided as a guide only and can vary depending on application, conditions and environmental factors. If in doubt, please consult a qualified electrician.

Three Core

Reel size (metres): 30, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW03/03	3 x 24/0.20	3 x 0.75	5.7	14
TW03/01	3 x 32/0.20	3 x 1.0	5.5	16.5

Five Core

Reel size (metres): 30, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW05/02	5 x 24/0.20	5 x 0.75	6.3	14
TW05/01	5 x 32/0.20	5 x 1.0	6.3	16.5

Seven Core

Reel size (metres): 30, 100

Part No	*Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)**
TW07/03	7 x 16/0.20	7 x 0.5	6	11
TW07/01	7 x 24/0.20	7 x 0.75	6.8	14
TW07/04	7 x 32/0.20	7 x 1.0	7.4	16.5

Automotive Cable
Cores manufactured to
ISO 6722-1:2011
(Class B) 105°C
Plain Copper Conductors
to BS EN 60228:2005 - PVC Insulated
Single core suitable for use at temperatures from -40°C to 105°C
with excursions up to 120°C

Twins and multicores PVC sheathed at 70°C
Suitable for 12V and 24V systems
(Maximum voltage 60V)
Reduced insulation gives considerable savings in weight and volume especially when used in large wiring harnesses
Good resistance to petrol, diesel, lubricating oils and diluted acids PVC insulation offers good resistance to abrasion and cut through.

*The conductor specifications shown arerepresentive configurations, actual cable strand may differ slightly, but will meet resistance values shown. **Nominal current amperage ratings are provided as a guide only and can vary depending on application, conditions and environmental factors. If in doubt, please consult a qualified electrician.

Standard Fuse

Packs of 25
FUSE-2.0A
FUSE-3.0A
FUSE-5.0A
FUSE-7.5A
FUSE-10.0A
FUSE-15.0A
FUSE-20.0A

Mini Fuse

Packs of 25
FUSE-MINI-2.0A
FUSE-MINI-3.0A
FUSE-MINI-5.0A
FUSE-MINI-7.5A
FUSE-MINI-10.0A
FUSE-MINI-15.0A

Splash Proof Fuse

FH-205 - 5 Amp
FH-210 - 10 Amp
FH-220 - 20 Amp
FH-230 - 30 Amp

K-69681

Piggy Back Fuse Holder
For standard blade fuses

FUSEHOLDER-FU8-A

Used for Standard Blade Fuses
Suitable for clipping together or fixing
using a mounting plate
Voltage rating: 32V DC
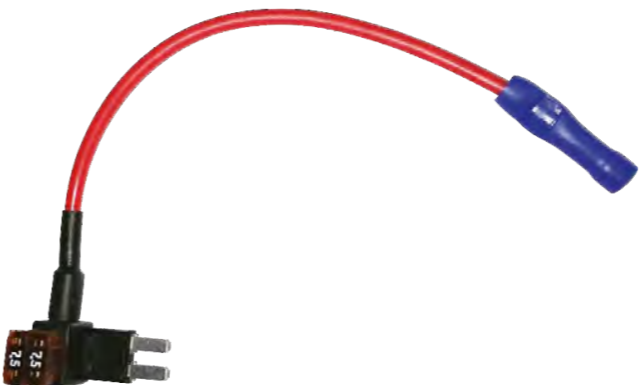Current rating 20A

FUSEHOLDER-FU8-B

K-69680

Piggy Back Fuse Holder
For mini blade fuses

K-69682

Mini Blade Fuse Holder

SSMF

5 Way Female SuperSeal Connectors

Provides waterproof connection to IP67

Suitable for 0.5-1.5mm²

Each pack contains enough terminals and seals

SS5M

5 Way Male SuperSeal Connectors

Provides waterproof connection to IP67

Suitable for 0.5-1.5mm²

Each pack contains enough terminals and seals

K-69666

Female Cigarette Socket Unfused

Female Cigarette Socket Unfused

1.5M

K-69671

Female Cigarette Socket Fused with 5Amp

Female Cigarette Socket Fused with 5Amp

K-69677

Female Cigarette Socket Unfused

Female Cigarette Socket Unfused

0.2M

Female Spade

Female Spade

Insulated Female Spade

Female Spade
WT5 – 6.3mm Blue

Female Spade Fully Insulated
WT8 – 2.8mm Red
WT9 – 4.8mm Red
WT10 – 6.3mm Red
WT11 – 4.8mm Blue
WT12 – 6.3mm Blue
WT13 – 6.3mm Yellow

Butt / Fork

Butt

Fork

Butt	Fork
WT16 – 4mm Blue	WT16 – 4mm Blue
	WT24 – 3.7mm Red
	WT25 – 4.3mm Red
	WT26 – 5.3mm Red
	WT79 – 6.4mm Red
	WT27 – 3.7mm Blue
	WT28 – 4.3mm Blue
	WT29 – 5.3mm Blue
	WT30 – 6.4mm Blue
	WT33 – 5.3mm Yellow
	WT34 – 6.4mm Yellow

Ring

All Terminals conform to:
BS4579 BS4G178
Red
Blue
Yellow
Crimp Terminals
Packs of 100

Ring

Ring
WT29 – 5.3mm Blue   WT38 – 5.3mm Red
WT30 – 6.4mm Blue   WT41 – 3.2mm Blue
WT33 – 5.3mm Yellow WT42 – 3.7mm Blue
WT34 – 6.4mm Yellow WT43 – 4.3mm Blue
WT35 – 3.2mm Red   WT44 – 5.3mm Blue
WT36 – 3.7mm Red   WT45 – 6.4mm Blue
WT37 – 4.3mm Red

Piggy Black / Male Tab

Piggy Black

Male Tab

Piggy Black
WT55 – 6.3mm Red
WT56 – 6.3mm Blue
WT57 – 6.3mm Yellow

Male Tab
WT58 – 6.3mm Red
WT59 – 6.3mm Blue
WT60 – 6.3mm Yellow

Bullet / Receptacle Bullet

Bullet

Receptacle for Bullet

Bullet
WT63 – 4.0mm Red
WT64 – 5.0mm Blue
WT65 – 5.0mm Yellow

Receptacle for Bullet
WT66 – 4.0mm Red
WT67 – 5.0mm Blue
WT68 – 5.0mm Yellow

TAPE-T1-N

PVC Electrical Tape 8 Pack

Black

19mm x 20M

TAPE-T9

Self-Amalgamating Tape

19mm x 20M

TAPE-T27

Double Sided Tape

50mm x 10M

TAPE-T29

Cloth Tape

Woven Cloth Tape

19mm x 25M

Cable Ties

TIES-TR1 Nylon Cable Ties x 100 - 100mm x 2.5mm
TIES-TR2 Nylon Cable Ties x 100 - 150mm x 3.6mm
TIES-TR3 Nylon Cable Ties x 100 - 160mm x 4.8mm
TIES-TR4 Nylon Cable Ties x 100 - 200mm x 2.5mm
TIES-TR7 Nylon Cable Ties x 100 - 300mm x 3.6mm
TIES-TR8 Nylon Cable Ties x 100 - 300mm x 4.8mm
TIES-TR10 Nylon Cable Ties x 100 - 370mm x 4.8mm
TIES-TR12 Nylon Cable Ties x 100 - 430mm x 4.8mm

Split Conduit

CONDUIT-SCON1 6.5mm - 10.0mm x 25M
CONDUIT-SCON2 10.1mm - 13.0mm x 25M
CONDUIT-SCON3 11.8mm - 16.0mm x 25M
CONDUIT-SCON5 16.9mm - 21.2mm x 25M
SCT4.5-100 4.5mm - 7.2mm x 100M
SCT9-100 9.0mm - 13.3mm x 100M
SCT11-100 11.0mm - 16.4mm x 100M

TL-SCTOPEN / TL-SCTOPEN-LARGE

Small - Split Convoluted Tubing Opener 6.5mm - 14.5mm
Large - Split Convoluted Tubing Opener 16.9mm - 23.1mm

STH

Hex Head Self Drilling Screws

STH4 Hex Head Self Drilling Screws 10 x 1/2"
(Zinc plated) 8mm Head
STH6 Hex Head Self Drilling Screws 10 x 1"
(Zinc plated) 8mm Head
STH1 Hex Head Self Drilling Screws 8 x 1/2"
(Zinc plated) 7mm Head

SF6

Speed Fastener U Type 8 (100)

Measures approximately 16 x 11mm,
and ideally suited to a number 8 screw.

SSPC

Stainless Steel Rubber Lined P-Clip

SSPC16 - 16mm x 25
SSPC21 - 21mm x 25
SSPC25 - 25mm x 25

PC10-B

Nylon P-Clip

PC-102-B 6.0mm - Black x 100
PC-105-B 12.0mm - Black x 100
PC-107-B 19.0mm - Black x 100

Heat Shrink

3:1 Ratio

Ideal for sealing 4 Pin aviation connections

AT24 — 800 Assorted Self Tappers

Pan Head Pozidrive 6-12 gauge (Type AB) Contents (8 Szes)

100 x ST3 (6 x 1/2)	100 x ST10 (10 x 3/4)
100 x ST4 (6 x 3/4)	100 x ST13 (12 x 3/4)
100 x ST6 (8 x 1/2)	
100 x ST7 (8 x 3/4)	
100 x ST8 (8 x 1)	
100 x ST9 (10 x 1/2)	

AT38 — Assorted Stainless Steel Self Tappers (450)

+Pozi Pan. DIN7981 Grade 2 (Type AB) Contents (9 Sizes)

6 x 1/2	10 x 1/2
6 x 3/4	10 x 3/4
6 x 1"	10 x 1"
8 x 1/2	
8 x 3/4	
8 x 1"	

AT110 — 200 Assorted Micro Fuses

200 Assorted Micro Fuses 3-30 Amp

AT130 — Assorted Box of 3:1 Heat Shrink

Mixed Adhesive Lined
UL approved. UL 224 VW-1.
Contains: 225 pieces 3mm - 18mm

AT71 — 700 Assorted Self Tappers

Black Flanged (6-10 Gauge) Contents (7 Sizes)

100 x ST16 (6x1/2)	100 x ST23 (10x3/4)
100 x ST17 (6x3/4)	
100 x ST18 (6x1)	
100 x ST19 (8x1/2)	
100 x ST20 (8x3/4)	
100 x ST22 (10x1/2)	

AT163 — Assorted Pan Head

Self-drilling Self-tappers (Pozi) Qty 1200

GRO-MG — Mixed Blanking Grommets

Assorted box of blanking grommets 6 - 25mm

25mm x 30pcs
20mm x 50pcs
16mm x 50pcs
12mm x 50pcs
9mm x 50pcs
6mm x 50pcs

GRO-WG — Mixed Wiring Grommets

Assorted box of wiring grommets 6 - 25mm

25mm x 30pcs
20mm x 50pcs
16mm x 50pcs
12mm x 50pcs
9mm x 50pcs
6mm x 50pcs

JAN11

Paper Wipes

2-ply
190mm x 150M
Blue

LS1

Superglue (20g)

Bonds Metals, Plastics, Wood, Ceramics, Leather,
Rubber, Card, Glass
and many other materials

LOCAA319-0.5

Rear View Mirror Bonder

0.5ml
Suitable for glass and metal only

LS5

Epoxy Resin Double Syringe (25ml)

General purpose
Epoxy Resin
Twin Mix Syringe
Cures in 5 minutes
(depending on ambient temperature)

LS184

Label Remover, Aerosol/Spray (400ml)

With long straw attached to can
Penetrate rapidly
Hydrocarbon cleaner
Safe on most plastics
Safely remove adhesive residue
400ml

LS195

High Performance Rust Preventative Wax Oil

A superb blend of oils, waxes, corrosion inhibitors and dewatering
agents that in turn combine to form a heavy-duty rust preventative
500ml Aerosol Clear

LS28

Brake Cleaner (400ml)

With short straw attached to nozzle.
Removes brake dust, oil and grease
Protects against rust and corrosion
Apply without dismantling parts
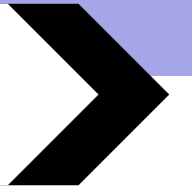Helps prevent brake squeal
Leaves no residue

CABLES
ACCESSORIES
CONSUMABLES

TL-CRIMPER

TL-SCUTTER

Step Cone Cutter

MCC-10 - 4-12mm
MCC-11 - 4-20mm
MCC-12 - 6-30mm

TL-CRIMPER

Crimper

TL-WIRECUTTER

Wire Cutter

TL-HEX-2.0MM

Hex Driver 2.0mm
Ideal for use with side camera screws

TL-BOX

Tool Box

SOLDER-0.8MM

SOLDER-0.8MM / SOLDER-1.2MM

LS6

Butane Gas (400ml)
High quality butane
Suitable for refillable soldering irons, Blow lamps and cigarette lighters
400ml

SOL8

Soldering Iron
Gas Powered Soldering Iron

SOLDERTIP-4

SOLDERTIP-8

SOLDERTIP-1

SOLDERTIP-5

SOLDERTIP-9

SOLDERTIP-2

SOLDERTIP-6

SOLDERTIP-10

SOLDERTIP-3

SOLDERTIP-7

SOLDERTIP-11

CABLES
ACCESSORIES
CONSUMABLES

Drivers Cash Box
Drivers Choice
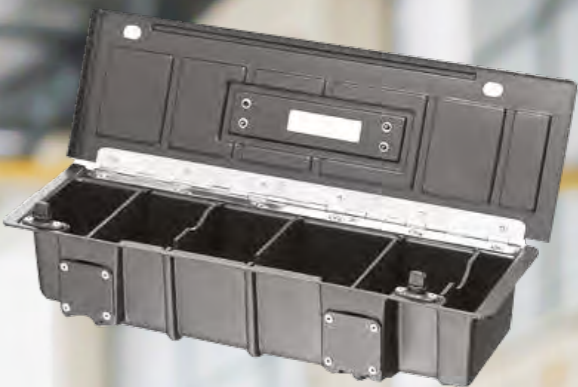
CASH BOX-F

Drivers Cash Box Anti Dipper

High Impact ABS with Mild Steel support to make for a light weight yet very strong drivers cash box with 2 mild steel fixing points that will fit most standard hooks or can be utilised with our mounting plate. 4 Compartment

CASH BOX-D

Drivers Cash Box Drivers Choice

High Impact ABS with Mild Steel support to make for a light weight yet very strong drivers cash box with 2 mild steel fixing points that will fit most standard hooks or can be utilised with our mounting plate. 5 Compartment

CASH BOX-E

Drivers Choice, Bus Drivers Cash Box Anti Dipper Bucket

High Impact ABS with Mild Steel support to make for a light weight yet very strong drivers cash box with 2 mild steel fixing points that will fit most standard hooks or can be utilised with our mounting plate. 4 Compartment

CASHBOX-MOUNT

Cash Box Mounting Plate

Heavy duty drivers Cash Box mounting plate, easy fix mounting.

CASHTRAY-DOUBLE

Bus Change Tray

Door mounted change tray
Single version also available

NAMETAG-1

Depot Name Tag Holder

BR Cat Number: B3-A2-8700057
Name Tag Holder Polycarbonate Tube & PE End Plug

RECORDING CAMERAS MONITOR SYSTEMS

DVD560U
¾ DIN DVD Player

Output resolution: 576i
Disc support: DVD, CD, CDR, CDRW, VCD
Mounting: Vertical / Horizontal
RCA outputs: 1
USB input: 1
SD card input: 1
Operating voltage: 12V DC
Dimensions: 160mm (W) x 150mm (D) x 45mm (H)

AHD-F307-1080P

**AHD-F307-1080P
AHD 1080P Forward Facing
Window Mount Camera**

4 Pin aviation connection

TV system: AHD

Output resolution: 1080p

FPS: 25

Viewing angle: 110°

Image Device: 1/3" CMOS

Operating voltage: 12V DC

Dimensions: 58mm(W) 55mm(D) 50mm(H)

AHD-CAM-676

AHD Wing Mirror Side Camera

4 Pin aviation connection

TV system: AHD

Output resolution: 720p

Mirror image: Yes – fixed

Audio: Yes

FPS: 25

Viewing angle: 110°

Image Device: 1/3" SONY CMOS

Operating voltage: 12V DC

Dimensions: 56mm(W) 35mm(D) 65mm(H)

CA-309-PAL

Wide Angle Camera

4 Pin aviation connection

TV system: PAL

Output resolution: 576i

Guidelines: Yes - Selectable

Mirror image: Yes – Selectable

FPS: 25

Viewing angle: 170°

Image Device: 1/3" CMOS OV60

Operating voltage: 12V DC

Dimensions: 28mm(W) 40mm(D) 23mm(H)

CK-18
CK-18 Kit Camera

4 Pin aviation connection
TV system: PAL
Output resolution: 576i
Mirror image: Yes
Night vision IR: Yes – 18 LEDs
FPS: 25
Viewing angle: 80°(H) 60°(V)
Image Device: 1/3" Sharp CMOS
Operating voltage: 12V DC
Dimensions: 80mm(W) 63mm(D) 70mm(H)

CA-309-NTSC

Wide Angle Camera

4 Pin aviation connection

TV system: NTSC

Output resolution: 480I

Guidelines: Yes - Selectable

Mirror image: Yes – Selectable

FPS: 30

Viewing angle: 170°

Image Device: 1/3" CMOS OV60

Operating voltage: 12V DC

Dimensions: 28mm(W) 40mm(D) 23mm(H)

DVR COMPARISON

DVR-4SD
1080P (1920 X 1080)

Video input: 4x   4 pin aviation
Video output: 4 pin aviation, VGA
Audio input: 4x   4 pin aviation
Audio output: 4x   4 pin aviation
OSD: 1 / 2 / 4

DVR COMPARISON

	DVR-4SD	DVR-4HD	AHD-8HD
Recording			
Max Resolution	1080P (1920 X 1080)	1080P (1920 x 1080)	1080P (1920 x 1080)
Channels	4	4	8
Audio	√	√	√
Video Compression	H.265+ Encrypted AVI	H.265+ Encrypted AVI	H.265+ Encrypted AVI
AHD Compatible	√	√	√
IPC Compatible	X	1 Channel	2 Channel
AV in / out			
Video input	4x 4 pin aviation	4x 4 pin aviation	8x 4 pin aviation
Video output	4 pin aviation, VGA	4 pin aviation, VGA	4 pin aviation, VGA
Audio input	4x 4 pin aviation	4x 4 pin aviation	8x 4 pin aviation
Audio output	4x 4 pin aviation	4x 4 pin aviation	8x 4 pin aviation
OSD	1 / 2 / 4	1 / 2 / 4	1 / 2 / 4 / 6 / 9
Network streaming			
Ethernet Port	X	X	X
Wi-Fi	Optional	Optional	Optional
4G Compatible	Optional	Optional	Optional
Mobile App	Android / OS	Android / IOS	Android / IOS
Storage / Backup			
HDD / SSD	X	2.5" SATA II (2TB max)	2.5" SATA II (2TB max)
SD Card	2x SDxC (256GB max)	1x SDxC (256GB max)	1x SDxC (256GB max)
Backup	USB 2.0 / network	USB 2.0 / network	USB 2.0 / network
Peripheral			
Lockable	√	√	√
GPS	√	√	√
G-Sensor	√	√	√
Timer off Delay	Up to 24 hours	Up to 24 hours	Up to 24 hours
HDD / SD Failure Warning	√	√	√
Motion Detection	X	X	X
Camera Full Screen Trigger	√	√	√
Split Screen Camera Trigger	X	X	X
USB mouse control	√	√	√
Remote Control	√	√	√
USB Port	USB 2.0	USB 2.0	USB 2.0
Other			
Power output	12v	12v	12v
Power input	8 - 36v (DC)	8 - 36v (DC)	8 - 36v (DC)

DVR

DVR-4HD

1080P (1920 x 1080)

Video input: 4x   4 pin aviation
Video output: 4 pin aviation, VGA
Audio input: 4x   4 pin aviation
Audio output: 4x   4 pin aviation
OSD: 1 / 2 / 4

AHD-7MM
7" Mirror Monitor Clip On

TV system: PAL / NTSC / AHD
Screen size: 7"
Resolution: 1024 X 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°

4 pin aviation inputs: 2
Trigger inputs: 1
Operating voltage: 12V DC
Dimensions: 250mm (W) 21mm (D) 109mm (H)

DVR-8HD

1080P (1920 x 1080)

Video input: 8x   4 pin aviation
Video output: 4 pin aviation, VGA
Audio input: 8x   4 pin aviation
Audio output: 8x   4 pin aviation
OSD:1 / 2 / 4 / 6 / 9
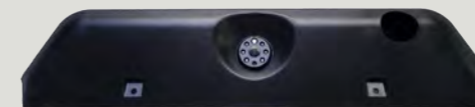
AHD-FT-CAM

Ford Transit Brake Light Camera 2014+

4 Pin aviation connection
TV system: AHD
Output resolution: 720p
Mirror image: Yes – fixed
Night vison IR: Yes – 6 LEDs
FPS: 25
Viewing angle: 100˚
Image Device: 1/3 NVP SONY CCD
Operating voltage: 12V DC
Dimensions: 385mm(W) 130mm(D) 55mm(H)

C-KO-NI-CAM

Iveco Daily Brake Light Camera

4 Pin aviation connection
TV system: NTSC
Output resolution: 480i
Mirror image: Yes
Night vision IR: Yes – 6 LEDs
Audio: Yes

FPS: 30
Viewing angle: 130˚(H) 110˚(V)
Image Device: CMD-III

Operating voltage: 12V DC
Dimensions: 570mm(W) 120mm(D) 60mm(H)

AHD-VR-CAM

Vauxhall Vivaro, Renault Trafic Brake Light Camera

4 Pin aviation connection
TV system: AHD
Output resolution: 720p
Mirror image: Yes – fixed
Night vison IR: Yes – 9 LEDs

FPS: 25
Viewing angle: 95˚
Image Device: 1/3 NVP SONY CCD

Operating voltage: 12V DC
Dimensions: 232mm(W) 160mm(D) 80mm(H)

AHD-TC-CAM-LED

Ford Transit Custom Brake Light Camera 2016+ (LED Version)

4 Pin aviation connection
TV system: PAL
Output resolution: 576i
Mirror image: Yes – fixed
FPS: 25
Viewing angle: 110˚
Image Device: CMD-III
Operating voltage: 12V DC
Dimensions: 338mm(W) 37mm(D) 25mm(H)

C-KO-VR-CAM

Vauxhall Vivaro, Renault Trafic Brake Light Camera 2014+

4 pin aviation connection
TV system: PAL
Output resolution: 576i
Mirror image: Yes – fixed

FPS: 25
Viewing angle: 99˚(D)
Image device: 1/4" CMOS
Operating temperature: -30 ~+70

RH95%
Dimensions: 232mm(W) 160mm(D) 80mm(H)

C-KO-T6-CAM

VW T6 Tailgate Brake Light Camera

4 Pin aviation connection
TV system: PAL
Output resolution: 576i
Mirror image: Yes – fixed

FPS: 25
Viewing angle: 110˚
Image Device: CMD-III

Operating voltage: 12V DC
Dimensions: 338mm(W) 37mm(D) 25mm(H)

MONITORS

AHD-75M-STALK

7" Mirror Monitor Stalk

TV system: PAL / NTSC / AHD
Screen size: 7"
Resolution: 1024 X 600
Contrast ratio: 500:1
Aspect ratio: 16:9
Brightness: 400cd/m²
Viewing angle: U: 50° D:70° R/L 70°/70°
4 pin aviation inputs: 2
Trigger inputs: 1
Operating voltage: 12V DC
Dimensions: 250mm (W) 21mm (D) 109mm (H)

WMIR-M12

12.3" Electronic Wing Mirror

TV system: PAL / NTSC / AHD
Screen size: 12.3"
Resolution: 1920 X 720
Contrast ratio: 500:1
Aspect ratio: 8:3
Brightness: 750cd/m²
Viewing angle: U: 85° D:85° R/L 85°/85°

4 pin aviation inputs: 2
Trigger inputs: 1
Operating voltage: 12V / 24V DC
Dimensions: 160mm (W) 31.5mm (D) 343mm (H)

ISO9001

We are extremely proud and delighted to have passed and been awarded The Management System Certification ISO9001 for:

THE PROVISION OF THE DESIGN, DEVELOPMENT AND DELIVERY OF IT PROJECTS

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THE VEHICLE SAFETY EXPERTS

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