CKO

THE VEHICLE SAFETY EXPERTS

PRODUCT CATALOGUE

Issue 5.0

WELCOME ⟫

The Vehicle Safety Experts

CKO have been involved in the design, development, and distribution of vehicle safety products and solutions for over 40 years. We work directly with established manufacturers in the UK, Europe, and Far East to meet the safety requirements of our customers in the commercial vehicle and automotive industries. CKO hold an extensive range of products in stock; with competitive lead times to meet specific customer requirements.

HAVE CONFIDENCE IN YOUR PURCHASE

Our experienced sales team are on hand to offer you tailored support to meet your needs, and the requirements of your customers. With extensive knowledge regarding DVS and FORS standards, as well as other forms of compliance, CKO always demonstrate clear capability when it comes to facilitating your regulatory standard queries. Our dedicated technical helpline offers long-term support for our products. We offer high-quality products, value for money, and great service. Customer satisfaction is at the core of our business.

ORDER ONLINE ⟫

Visit our website at **www.c-ko.co.uk**

📍 **Address**

CKO Vehicle Safety Experts,
6 Lumsdale Road, Cobra Court,
Trafford Park, Manchester,
M32 0UT

📞 **Phone**

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Accounts: 0208 863 8333 (Opt 2)
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CONTENTS ⟫

ABOUT US ❯❯

VEHICLE SAFETY EXPERTS

For over 40 years, CKO have provided tailored innovative products and solutions to a variety of different industries; from Tier 1 OEMs to vehicle builders and distributors.

This accumulation of extensive expertise has enabled CKO to not only supply products, but to also design, develop and manufacture bespoke products, built to exceed our client's specifications. If your vehicles have complicated requirements, sought unique features, or have a difficult installation location, an off the shelf product may not be good enough. Our team works closely with clients to produce a solution that can be delivered on time and within budget.

CKO are often called upon by distributors and resellers alike to provide a wide range of cameras, monitors, DVRs, lighting, cable assemblies, bracketry, and software; all of which offer impressive functionality to solve customers' vehicle safety needs.

These products individually contribute when it comes to significantly reducing the likelihood of an incident, and therefore rducing the need for time-consuming (and costly) repairs. When combined, these products produce a complete system; allowing you to clearly observe the rear, front, and sides of your vehicle when reversing and manoeuvring.

AFFILIATED WITH

OUR SERVICE SUMMARY FOR BESPOKE PRODUCTS

1. Customer consultation: Established problem is solved.

2. Specification agreed: MOQ, warranty, and deliverability.

3. Samples/prototype: Delivered usually within 4-6 weeks.

4. Testing/approval: Real world testing and evaluation to gain customer sign off.

5. Customer fulfilment: Delivery, stock holding, user manual, technical support.

CKO — THE VEHICLE SAFETY EXPERTS

TECHNICAL KNOW-HOW AND WARRANTY RETURNS

Buying from CKO brings you the additional reassurance of our in-house technical team. We thoroughly evaluate and test all our products before they go to market.. This, together with our technical helpline, allows us to provide a full backup service to our customers who can have the confidence in our long-term support and warranty responsibilities.

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 12 or 24-month 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 at 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 ≫

With over 40 years' experience, CKO is here to take the trouble out of meeting compliance standards. Thus ensuring that your fleet is safe for operation within the modern commercial vehicle world.

DVS COMPLIANCE

Transport for London's (TfL) Direct Vision Standard (DVS) Progressive Safe System (PSS) conditions are now in effect for all HGVs regardless of the star rating. Operators with vehicles weighing over 12 tonnes need to have the new HGV Safety Permit to be able to operate within and around Greater London. All HGVs need to apply for a permit to avoid facing a Penalty Charge Notice (PCN).

CKO have developed a PSS solution that is compliant with these updated standards; designed for aftermarket application into a wide range of vehicle makes and models. This kit protects vulnerable road users in an approach aligned to European Union and the United Nations Economic Commission for Europe (UNECE), namely R151 for Blind Spot Information System (BSIS) and R159 for Moving Off Information System (MOIS).

Find out more about our kit on pages 25 - 26.

FORS COMPLIANCE

The Fleet Operator Recognition Scheme (FORS) is a voluntary accreditation scheme that recognises safer, greener, and more efficient fleet operations. 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 the three classes of trucks, vans, and passenger carrying vehicles (PCVs). Specific measures apply to each class.

Trucks: commercial vehicles over 3.5 tonnes gross vehicle weight
Vans: commercial vehicles of 3.5 tonnes gross vehicle weight or under
PCVs: any vehicle with 8 or more passenger carrying seats

CKO can assist you in meeting all your FORS safety requirements, by offering a range of products and solutions that allow Fleet Operators to measure, monitor, and improve performance.

Find out more about our kit on page 43.

LIVE VIEW SOFTWARE ⟫

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 a variety of contract types; speak to our team to find out more.

This package includes:

- ⟫ PC software
- ⟫ iOS and Android phone software
- ⟫ Device SIM
- ⟫ Data server
- ⟫ Customised email alerts and notifications
- ⟫ Telephone and remote access support
- ⟫ Across global 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 cardrecording, and 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 the button, and the central office will be immediately notified. This will allow your team to quickly and easily 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.
- ⟫ 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.

COMPLETE VISIBILITY FOR FLEET MANAGERS

The Live View system offers secure, multi-network, real-time video-streaming 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 the number of streams 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 seperate user permissions to access different sets of information.

Not only does the Live View system support efficiency and control over your fleet, but it also aids in increasing vehicle safety - both for your drivers and the general public.
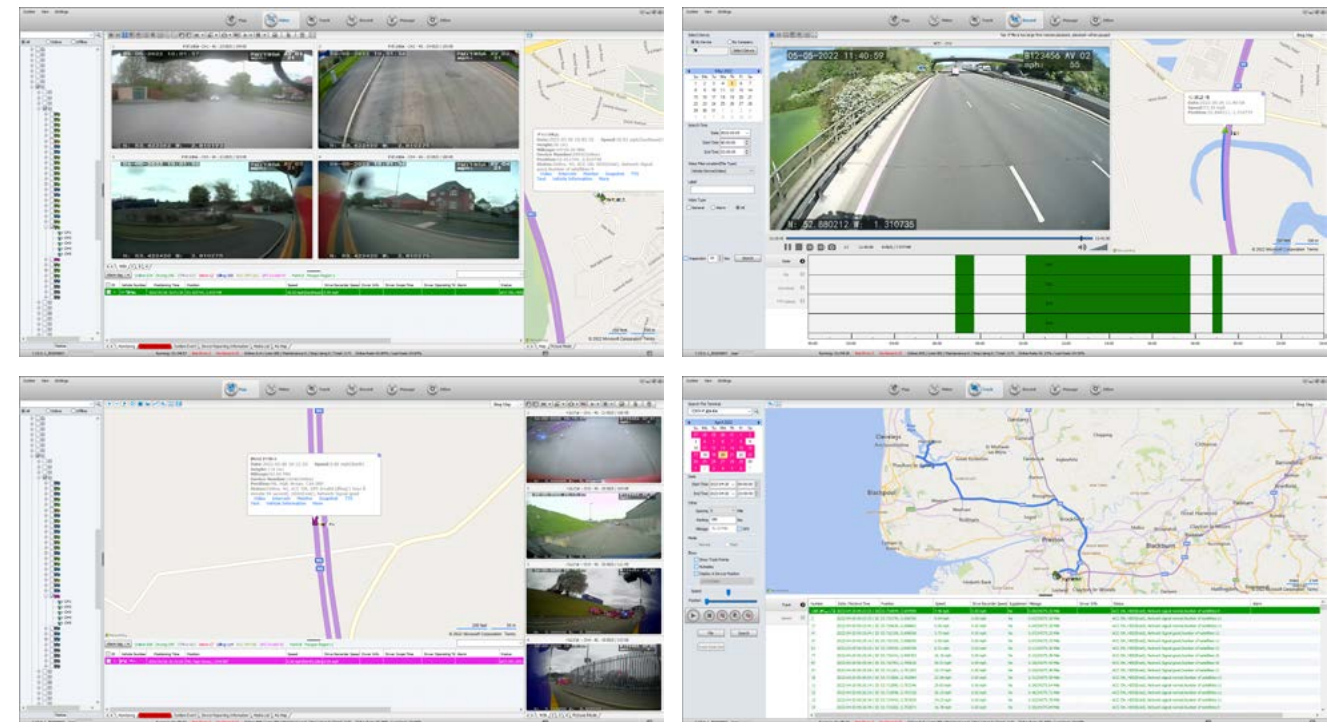
☑ LIVE CCTV   ☑ GEO FENCE   ☑ TRACKING

LIVE VIEW SOFTWARE ⟫

NOTIFICATIONS

Without Live View, if your vehicle was involved in an incident, you would only hear about what had happened once your driver returns to your site and reports the incident. 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 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 the historic route, showing where the vehicle has 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. When added to the 'Status' of the DVR, the Live View system can help to highlight issues of suspected device tampering or fuel theft.

REMOTE DOWNLOAD & HISTORIC VIEWING

Our standard tariff comes with a fair-use cap; however, 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, which is 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, 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 v7.1, 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 directly to designated contacts 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 pressed. As part of the initial set up, we can talk through your business needs and customise the settings to ensure that you 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 on site with the vehicle. Current settings 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.

DATALIVE SOFTWARE ≫

Revolutionise your fleet management with the cutting-edge Datalive software; a suite of modular applications that can be customised to meet your needs. This is your key to unlocking unparalleled efficiency, protection, and driver safety. Furthermore, this solution can assist you in achieving FORS, DVS, and Earned Recognition compliance.

TELEMATICS

Datalive's web-based telematics solution provides managers with 24/7 intelligence, valuable insights, and complete operational control. Track the live location of your entire fleet, review historical overviews of vehicle journeys, analyse driver behaviour, and much more.

Track It

Live location and key status of your entire fleet and assets.

Trace It

Historical overview of a vehicle's journey showing duration, distance and stops. Review the route taken on an easy-to-use map.

Analyse It

Analyse your driver's behaviour using a customisable scoring system.

Locate It

Locate assets in real time. Live location reports along with historical reports for duration of time at locations.

CONNECTED AI CAMERAS

Protect vulnerable road users while ensuring that vehicles are being driven safely and correctly. Stream live audio and video footage, review triggered events, and report any incidents directly into your FNOL team. Industry-leading AI technology can remove false positive events, removing time-consuming manual validation of incidents.

Review It

Review triggered driving and speeding events with our Connected AI Camera platform. Download video footage, searchable by date and time. Investigate claims efficiently based on a priority of Red, Amber and Green rating without costly vehicle downtime.

Filter It

Cutting-edge AI technology removes false positive events. Fast and highly accurate cloud AI provides powerful analysis and reduces manual validation. Leaving only critical and important events for viewing.

Stream It

View live audio and video footage through your vehicle's bespoke camera system. Proactively monitor and assist drivers remotely and provide real-time customer updates.

DIGITAL FLEET COMPLIANCE

Ensure high standards of professionalism and reliability across your fleet. This set of modules will help you to perform audits and checks; ensuring that high standards of vehicle condition are optimised and maintained.

Check It

Digitalised daily vehicle damage and maintenance checks completed by drivers, supervisors, and auditors. Indicate via the app, any damage or maintenance issues on an interactive vehicle diagram.

Achieve It

This module measures all DVSA Earned Recognition KPIs for defects, inspections, and MOTs helping your fleet achieve ER status. Providing interactive communication between auditors, managers and operators to fall in line with ISO guidelines. This is a required module for DVSA's Earned Recognition Scheme.

Defect It

Manage your fleet defects, from initial report to repair. Provides cohesive collaboration between drivers, planners, managers, and 3rd party garages. This is a required module for DVSA's Earned Recognition Scheme.

Onboard It

Easily onboard your drivers. Record, validate, and monitor expiring documentation, ensuring compliance. The app also offers a fully customisable driver training process.

Inspect It

Schedule and complete vehicle safety inspections, vehicle equipment safety inspections, MOTs, and services ensuring compliance across your fleet. Plan effectively to reduce downtime of vehicles. This is a required module for DVSA's Earned Recognition Scheme.

File It

DVSA accredited digital vehicle file for all documents. Easy to use dashboard removes manual intervention and ensures compliance. This is a required module for DVSA's Earned Recognition Scheme.
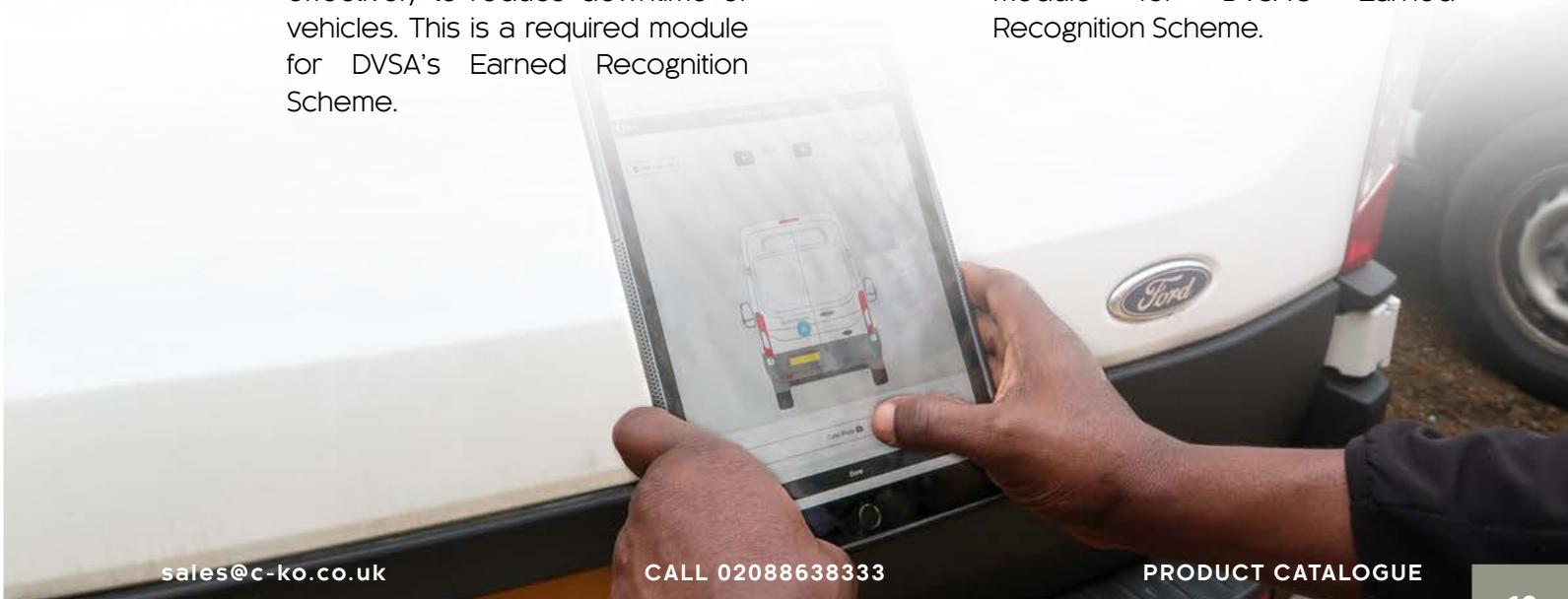
CKO-DVR-6CH-KIT

6-Channel Mobile Digital Video Recorder with 1TB SSD

NEW PRODUCT

- 1080P
- Video input: 4 x 4 pin aviation, 2 X 6 pin aviation
- Video output: 4 pin aviation AHD 720P or CVBS selectable via menu
- Audio input: 4 x 4 pin aviation
- Support storage up to 2TB M.2 SATA SSD and 2 x 512GB TF Cards – Supplied with 1TB SSD
- 4G connectivity
- 8 IO input
- Dimensions: 154 x 151 x 52mm
- Suitable for 12 and 24 volt vehicles
- Supplied with GPS and 4G antenna
- Expandable features with built in AI functions through additional hardware
- Includes trigger and power cable

CKO-RWATCH-01

Rwatch

- Gives audio and visual feedback to drivers when combined with DMS and LDWS cameras on the DVR
- Display Size: 36mm
- Device Size: 42 x 45 x 16mm
- Resolution: 128 x 128 pixels
- Brightness: 400cd/m2
- TFT-LCD gloss display
- Operating Temperature: -30°C to +70°C
- E-Marked: UNECE R10 compliant
- CE Marked and FCC/ICC approved

CKO-DSM-CAM-01

DMS IP Camera

- Full HD driver facing camera
- Built-in IR technology for low light conditions
- Enables driver monitoring features on DVR including driver fatigue, yawning, driver distraction, mobile phone use, and smoking
- Effective through glasses/sunglasses
- Current: 0.18 Amps @ 12V
- Operating Temperature: -40°C to +70°C
- E-Marked: UNECE R10 compliant
- CE Marked and FCC approved

CKO-ADAS-CAM-01

FCW
LDW
HMW

IP Forward Facing Camera

- Enables ADAS features on DVR including Forward Collision Warning, Headway Monitoring Warning, Lane Departure Warning
- 1080p Camera
- 6pin Aviation Connection
- Viewing Angle: 53°(H) x 3°(V) x 61°(D)
- Operating Temperature: -40°C to +70°C
- E-Marked: UNECE R10 compliant
- CE Marked and FCC approved

CKO-EASYCHECK

EasyCheck

- USB device for DVR setup and control via Veyes app
- Allows for easy configuration changes via a phone or tablet
- Useful tool when a monitor is not connected to a phone

CATEGORY 2
Digital Video Recording

BENEFITS

Safety
Monitor driving ability and standards to improve driver manoeuvring, visibility, and concentration. Can also be used to facilitate safe loading and unloading practices.

Protection
Offers security and damage prevention from crash-for-cash, inflated/fraudulent claims, and unjustified personal injury claims.

›› Record up to 8 channels of video and audio, plus 2 IPC

›› Built in GPS for vehicle location, speed, and time which is also watermarked including vehicle registration on the 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 output 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

›› Multiple power modes - delay switches on with the vehicle's ignition and off after a customisable point, timing turns on and off at set times. Other options available to keep the DVR on and switch the cameras off

›› Customisable recording options for recording selected channels when the ignition is on/off

›› Records in AHD 1080p/720p or D1 camera format, with individually selectable channels

›› SD card back up function

›› Snapshot image alarm function. Export config files by USB for fleet continuity

›› Cameras can be mirrored, flipped, and orientated on the DVR

DVR / Comparison Chart

DVR COMPARISON CHART

We take pride in our ability to meet the requirements of our clients when it comes to Digital Video Recorders (DVRs). Whether you're seeking robust storage capacity, enhanced video quality, or additional channels, our extensive range of DVRs offer the ideal solution that will exceed your expectations.

	DVR-4SD	DVR-4HD	DVR-8HD
Recording			
Max Resolution	1080P (1920 X 1080)	1080P (1920 x 1080)	1080P (1920 x 1080)
Channels	4	4 (plus 1 IPC)	8 (plus 2 IPC)
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	4 x 4 pin aviation	4 x 4 pin aviation, 1 x 6 pin aviation	8 x 4 pin aviation, 2 x 6 pin aviation
Video output	4 pin aviation, VGA	4 pin aviation, VGA	4 pin aviation, VGA
Audio input	4 x 4 pin aviation	4 x 4 pin aviation	8 x 4 pin aviation
Audio output	4 pin aviation	4 pin aviation	4 pin aviation
OSD	1 / 2 / 4	1 / 2 / 3 / 4 / 5	1 / 2 / 3 / 4 / 6 / 8 / 9 / 12
Network streaming			
Wi-Fi	Optional	Optional	Optional
4G Compatible	Optional	Optional	Optional
Mobile App	Android / iOS	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	Optional	Optional	Optional
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)

Front of product · Back of product (DVR-4SD, DVR-4HD, DVR-8HD)

DVR / Devices

DVR4SD-10-256

4 Channel SD DVR – 1080P, AHD, D1 256GB

- 1080P (1920 x 1080)
- Video input: 4 x 4 pin aviation
- Video output: 4 pin aviation, VGA
- Audio input: 4 x 4 pin aviation
- Audio output: 4 pin aviation
- OSD: 1 / 2 / 4
- 256 GB SD Card
- Also available with 4G live connectivity

DVR4HD-4G-10-1TB

4 Channel HDD DVR - 1080P, AHD, D1, IP - 4G - Kit

- 1080P (1920 x 1080)
- Video input: 4 x 4 pin aviation
- Video output: 4 pin aviation, VGA
- Audio input: 4 x 4 pin aviation
- Audio output: 4 pin aviation
- OSD: 1 / 2 / 3 / 4 / 5
- 1 TB SSD
- Also available without 4G live connectivity

DVR8HD-4G-11-1TB

8 Channel HDD DVR - 1080P, AHD, D1, IP - 4G - Kit

- 1080P (1920 x 1080)
- Video input: 8 x 4 pin aviation
- Video output: 4 pin aviation, VGA
- Audio input: 8 x 4 pin aviation
- Audio output: 4 pin aviation
- OSD: 1 / 2 / 3 / 4 / 6 / 8 / 9 / 12
- 1 TB SSD
- Also available without 4G live connectivity

With the 4G version of the our DVRs, you can make full use of our LiveView software. Please note that a subscription fee is required for access.

DVR / Packages

3 Camera Package For Tractor Units

For tractor units, we highly recommend our 3-camera kit, featuring two side cameras and one front camera. This setup provides optimal coverage for monitoring blind spots. Paired with our DVR, these cameras deliver high-quality video footage directly onto the 7" monitor.

Digital Video Recorder

AHD 4 Channel Digital Video Recorder + 1 Channel IPC (DVR-4HD/-4G)

Side Cameras x 2

Night Vision Side Camera (AHD-SCAM-725-1)

Front Camera

Front Facing Camera (AHD-FCAM-1080P)

Monitor

7" Monitor (PV-YW795)

Our DVRs seamlessly integrate with our monitors and cameras to form a comprehensive monitoring system, enhancing safety during maneuvering and reversing. By providing real-time visuals, these solutions aid in collision prevention and ensure smoother operations.

4 Camera Package For Box Vans

Our box van package is equipped with two side cameras, a front camera, and a rear camera featuring infra-red capability, ensuring complete coverage around the vehicle. Whether navigating tight spaces or reversing in low-light conditions, our advanced camera system provides clear and reliable footage.

Digital Video Recorder

AHD 4 Channel Digital Video Recorder + 1 Channel IPC (DVR-4HD/-4G)

Rear Camera

Heavy Duty Rear Camera with Smart IR (AHD-RCAM-210-AUD)

Side Cameras x 2

Night Vision Side Camera (AHD-SCAM-725-1)

Front Camera

Front Facing Camera (AHD-FCAM-1080P)

Mirror Monitor

7" AHD Mirror Monitor (AHD-7MM-01)

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5 Camera Package For Rigid HGVs

Our cutting-edge 5-camera system for rigid HGVs, ensures unparalleled safety and monitoring capabilities. With two side cameras, a front camera, a rear camera, and an additional IP camera dedicated to monitoring the driver cabin, this package offers comprehensive coverage of both inside and outside the vehicle.

IP Camera

IP Dome Camera (C-KO-IPC-DOME-W)

Digital Video Recorder

AHD 4 Channel Digital Video Recorder + 1 Channel IPC (DVR-4HD/-4G)

Rear Camera

Heavy Duty Rear Camera with Smart IR (AHD-RCAM-210-AUD)

Side Cameras x 2

Night Vision Side Camera (AHD-SCAM-725-1)

Front Camera

Front Facing Camera (AHD-FCAM-1080P)

Monitor

7" Monitor (PV-YW795)

DVR-GPS-ANTENNA

GPS Antenna for DVR

- Magnetic
- SMA connector
- 2.5 metre cable

DVR-3G/4G-ANT

External 3G/4G Antenna

- SMA connector

DVR-SSD

IDEAL FOR DVRs

2.5" Solid State Drive (500MB, 1TB, 2TB)

- Available in various memory capacities.
- Recommended for DVRs
- DVR (on factory settings) will use 1.2GB per hour, per channel at 720p
- 5-year manufacturer warranty
- 7mm - SATA lll-6Gb/s

DVR-SATA-USB

DVR to SATA HDD USB Cable

- Connection from SSD to PC
- USB to SATA
- USB 3.0

DVR-MOUSE

DVR Mouse

- USB Mouse for DVR configuration
- Optical Sensor
- Compact Design

SD-CARD

SD Card (32GB, 64GB, 128GB)

- Available in various memory capacities.
- DVR (on factory settings) will use 650MB per channel, per hour
- Can be used with our DVRs to record footage
- Function must be enabled on DVR to switch to SD card recording in the unlikely event of hard drive failure

DVR-TRAY

Spare/Replacement Media Tray

- Media caddy/tray for 2.5" drives for the DVR-4-HD & DVR-8-HD range

DVR-MIC

DVR Microphone Kit

- Audio microphone for DVR
- 4Pin aviation connection
- Audio / Video Splitter lead included

DVR / Legacy Accessories

CT-TRAY

CT-KEY

» Spare DVR Caddy

- Supplied without media installed
- DVR must format new media for recording to begin
- USB 2.0 Type B connection on rear

» Key to Unlock DVR Tray

CT-REMOTE

» Spare Remote Control for DVR

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

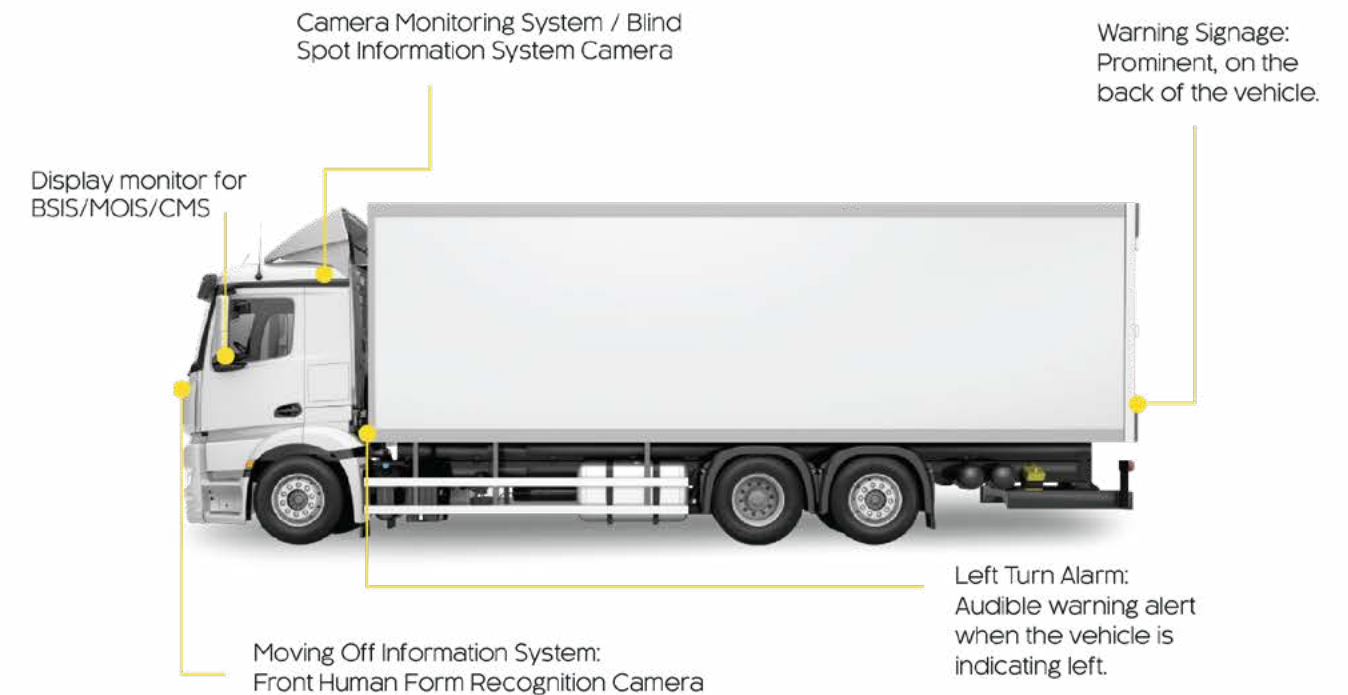## Progressive Safety System

Our Solution

- **Camera Monitoring Systems (CMS) / Blind Spot Information System (BSIS)** – A side AI camera on the near side of the vehicle aimed down to eliminate the blind spot, combined with a monitor situated on the near side pillar. Operational at all times under 20MPH.
- **Moving Off Information Systems (MOIS)** – Another AI camera is fitted to the front of the vehicle to allow for the detection of VRUs for safe moving off.
- **Left Turn Alarm** – Activated when the left turn signal is on. An additional button is also installed on the dash to stop the sounder activating at night.
- **Warning Signage** - Prominently displayed on the vehicle.

Product Overview

Our Progressive Safe System (PSS) solution is designed for aftermarket application to a wide range of vehicle makes and models. In some cases, additional accessories in the form of brackets and camera spacers are required to allow for operational performance.

The core of the Blind Spot Information System (BSIS) and Moving Off Information System (MOIS) utilises Edge Artificial Intelligence Video Analytics. Allowing for the detection of vulnerable road users (VRUs) whilst ignoring street side furniture locally, without the delay associated with cloud-based AI systems.

AI cameras are installed on the front and side of the vehicle. Configurable detection zones are set using a removeable USB tool once cameras have been positioned and angled correctly onto the vehicle based upon our method statement and installation guidance. We recommend taking photographic evidence of the detection zones, using markers on the ground, to prove that the cameras have been configured. In events of complete power loss to the vehicle, the configuration remains consistent without need for recalibration.

Camera Monitoring System / Blind Spot Information System Camera

Warning Signage: Prominent, on the back of the vehicle.

Display monitor for BSIS/MOIS/CMS

Left Turn Alarm: Audible warning alert when the vehicle is indicating left.

Moving Off Information System: Front Human Form Recognition Camera

Testing and Approval

Backed by extensive trials and thousands of miles of real-world driving data, our system delivers precision in identifying VRUs. This minimises the risk of false alerts caused by roadside objects (such as traffic cones or parked vehicles) which are often misinterpreted by traditional sensor systems.

This dramatically reduces false positives and improves driver awareness, creating a safer and more seamless driving experience. Acting as an intelligent co-pilot, the human form recognition cameras serve as an extra pair of eyes, constantly monitoring the detection zone.

For your HGV Safety Permit application under the Direct Vision Standard (DVS), accurate documentation of the AI camera installation and calibration is mandatory. Equipment positioning and technical specifications must strictly follow the latest guidance from Transport for London (TfL).

At CKO, our team works diligently to stay ahead of evolving compliance standards. We are committed to keeping you informed and supported, ensuring that your fleet meets every requirement with confidence.

2.2 M

9 M

0.5M

TRUCK WIDTH

2 M

0.5M

Diagram not to scale
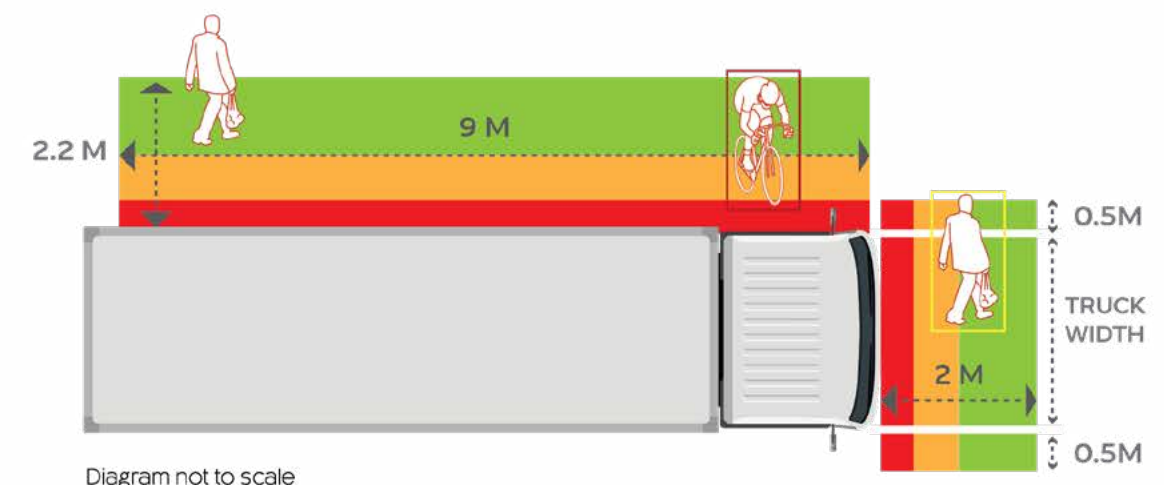
PRODUCT OVERVIEW

The 360° 'Birds-Eye-View' camera package utilises four cameras, with one on each side of the vehicle to provide a complete top-down view of the entire vehicle. All cameras include ultra-wide-angle lenses, thus ensuring that their field of vision seamlessly overlaps at each corner of the vehicle. An ECU (Electronic Control Unit) is used to blend the four images together to produce the look-down view and a 'vehicle mask' is overlayed to illustrate the vehicle's positioning.

Once fitted, the system will require calibration to ensure that the correct view has been successfully configured. This isa simple process to follow, in which the friendly and knowledgeable team at CKO will be happy to assist you. The system can be used with any vehicle type and size.

Our Solution

The 360° 'Birds-Eye-View' package consists of the following:

- 7" Monitor
- 4 ultra-wide-angle cameras (metal case, easy fit) and cables (1x18m, 2x10m & 1x5m)
- ECU
- Remote Control
- Upgrade Options:
- Digital Video Recorder
- Waterproof Monitor (ideal for Plant use)
- Side Sensors
- Turning Warning Alarm
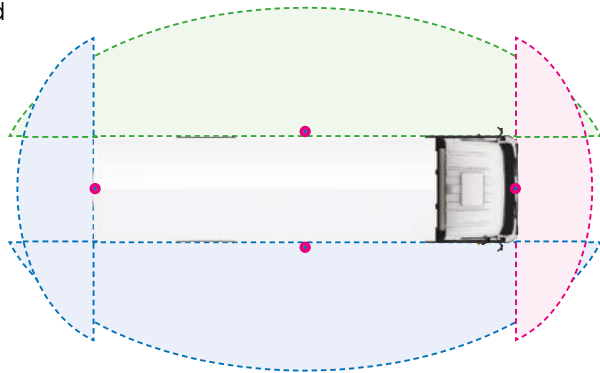
How It All Works

The monitoring system is built to enhance vehicle safety and situational awareness. The primary view consistently presents a birds-eye perspective on the monitor. Meanwhile, the secondary view transitions between viewpoints based on the vehicle's manoeuvres, contingent upon the presence of the appropriate wiring configuration. While the optimal setup typically involves utilising a separate monitor dedicated to the 360° system, the flexibility exists to integrate it with the vehicle's existing monitor, facilitated by vehicle specific leads available upon request.

By effectively eliminating blind spots, particularly when driving in dense urban environments where visibility can be compromised, the system becomes an indispensable asset for enhancing safety on the road. The system features a plug-and-play design, with effortless connectivity to a DVR for recording footage from all cameras. This functionality is invaluable for protection against fraudulent insurance claims.

Core Benefits

- Effectively eliminates blind spots
- Best option for vehicle safety in busy urban environments, helping you to protect vulnerable road users
- Auto-switches to the relevant camera when turning and reversing
- Easy remote configuration completed by experienced programmers with pre-sets for optimal birds-eye view
- Cables and accessories provided

DASH CAMERAS

DC-DVR-CVL-02

FHD 360° Rotating Dash Camera with GPS, G-Sensor, and Wi-Fi

- 1080P Full HD recording
- 170° Wide view angle, 130° Horizontal, 80° Vertical
- Built in G-force sensor, GPS & WiFi
- Software download for video with map information
- Park mode triggered by vibration
- Stores up to 128GB (TF memory card not included)
- AV/HDMI out
- Built-in speaker & microphone
- Suitable for 12/24V vehicles
- 2nd Optional D1 (CVBS PAL or NTSC) camera input via jack plug

DC-DVR-4G-ADV

Advanced AI Expandable
Connected Dash Camera

NEW PRODUCT

DC-DVR-4G-01

2K Connected 4G Dash Camera

NEW PRODUCT

- 1920p Forward Facing recording with 140 degree view
- 1080p Cabin View Camera with 170 degree view
- Real time advanced driver assistance notifications through audio feedback, expandable with optional display for visual feedback
- Dual 256GB storage for a total of 512GB storage
- 4G Connects to Datalive platform
- 6-Axis gravity sensor supporting rapid acceleration., deceleration, harsh cornering and accident detection
- Suitable for 12/24V vehicles
- 4 Sensor inputs
- Additional camera input available with optional cable, 1 x AHD and 1 x IPC

- 2K (1440p) forward facing recording
- 146° Wide view angle, 121° Horizontal, 64° Vertical
- Built in G-force sensor & GPS
- Connected solution & CKO Live
- Stores up to 512GB (TF memory card not included)
- Built-in speaker & microphone
- Suitable for 12/24V vehicles
- Cigarette & hard wire
- 2nd channel input

CKO LIVEVIEW

4G

HANDSFREE
Datalive Software.

4G

NEW

NEW

DC-DVR-4G-INTCAM
Driver Facing Internal Camera

- 1 x 6pin Aviation for IP connectivity
- 1 x 4pin Aviation for AHD cameras
- 1 x 4pin Aviation for Monitor – TOT-MON/DVR cable required in addition to allow for correct connection

DC-DVR-4G-ADV-EXT
Camera Expansion Cable

CAMERAS

IPC-FHD-P
Forward Facing IP Camera 1080p

NEW PRODUCT

- 6 Pin aviation connection
- Resolution: 2.0 Mega Pixel
- Output Resolution: 1080P
- Effective Pixels: 1920H x 1080V
- Video Format: 50Hz, 25fps
- Power Consumption: DC 12V ± 5%, 240mA, 3.0W

- Product Weight Net: 145 g, All: 265 g
- Operating Condition Temp: -45°C to +75°C, Humidity 95%
- Lens: f=3.6mm
- Viewing Angle: 75°
- Light Sensitivity Colour: 0.05Lux @ F1.2; B/W:0.01 Lux @ F1.2
- Dimensions (L x W x H): 49 x 75 x 122 mm

CKO-AI-AD38-150

AI Pedestrian Detection Camera

- Vulnerable Road User detection / human form recognition
- Adjustable zones to show detected areas
- Full high-definition video output, can be overlaid with colour zones and pedestrian warning information
- 720P/1080P Selectable
- No control box needed, can be directly connected to normal monitors / DVR
- Audio alarm output, external buzzer supported
- Calibration via Wi-Fi hotspot with USB dongle
- Waterproof / dustproof rated to IP69K
- Dimensions: 140 x 63 x 54 mm

CKO-AI-AD38-Spacer
Spacer for CKO-AI-AD38-150 Camera

CKO-CAM-SIDE-B
Stainless Steel Bracket -
Camera Side Mount

CKO-EXT-AI-10M
10M 8pin Extension Cable

CKO-EXT-AI-5M-01
5M 8pin Extension Cable

NEW

CKO-AI-AD37-150/170
1080p Intelligent Pedestrian
Detection & BSD Camera 150/170
Degree Lens

CKO-CAL-AITOOL
USB Wi-Fi Calibration Tool
for AI Camera

AHD-CT200-F

AHD Front Windscreen Mount 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-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)

AHD-FCAM-140-CL

Image device: 1/3" CMOS OV60 option

AHD-F307-1080P-01

AHD 1080P Camera

NEW

- 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-SCAM-725-1080P

1080P Night Vision Side Camera

- 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

C-KO-CAM-410-HD

Side View Camera WDR 1080P with Audio

- Side View Camera with Audio
- Wide Dynamic Range (WDR)
- Night vision
- 4 Pin aviation connection
- Built in Microphone for Audio
- IP rating: IP69K
- TV system: AHD
- Output resolution: 1080p
- FPS: 25
- Effective pixels: 1920(H) x 1080(V)
- Image device: 1/2.9" CMOS
- Operating voltage: 12V DC
- Dimensions: 57mm(W) 75mm(D) 43mm(H)

AHD-SCAM-725-1

Night Vision Side Camera 4 Pin Only

- 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
- Built in Microphone

AHD-SCAM-720-AUD-2-WHITE

Night Vision Side Camera in White

- 4 Pin aviation connection attached to mini BM Plug
- 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

SCAM-SPACER

Side Camera Spacer

- Allows cameras to be mounted further out. Product may need to be adapted. For use with all cameras 25mm deep.

CKO-DC-AHD21-AD15

AHD 720P Mini Plastic Dome Camera

- Operating Voltage: 12V
- Operating Temperature : -30 - +70 degrees
- Power Consumption: Max 70mA
- IP Rating: IP66
- Connection type: 4 Pin Aviation
- TV system: PAL
- Output resolution: Adjustable green cable.
- Joined is CVBS and cut is HD 1080P
- Viewing angle: 110
- Lens: f2.1mm
- Operating voltage: 12/24v
- True Image
- Includes angle bracket

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-DOME-SM

AHD Small Dome Camera

- 4 Pin aviation connection
- TV system: AHD
- Output resolution: 1080p
- 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

C-KO-IPC-DOME-W

White IP Dome Camera

- Output resolution: 1080p
- Viewing angle: 105°
- Image device: 1/2.9" CMOS 1080P
- Operating voltage: 12V DC
- Dimensions: 120mm(W) 65mm(H)
- Waterproof Rating: IP65
- Built in Microphone
- Operating Temperature: -45~75°C

AHD-DCAM-650

AHD Dome Audio 720P

- 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)

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) 49mm(D) 63mm(H)

CKO-DC-AHD21-AD15

AHD 720P Mini Plastic Dome Camera

NEW PRODUCT

- Operating Voltage: 12V
- Operating Temperature : -30 - +70 degrees
- Power Consumption: Max 70mA
- IP Rating: IP66
- Connection type: 4 Pin Aviation
- TV system: PAL
- Output resolution: Adjustable green cable. Joined is CVBS and cut is HD 1080P
- Viewing angle: 110
- Lens: f2.1mm
- Operating voltage: 12/24v
- True Image
- Includes angle bracket

CKO-DC-AHD25IR-AD15
AHD 720P Mini Plastic Dome Camera
2.5mm Megapixel Lens, with IR

CKO-DC-AHD-AD15
AHD 720P Mini Plastic Dome Camera
2.5mm Megapixel Lens

AHD-CA-9898

AHD Dual Camera in White

- Resolution AHD 720P
- Dimensions (including mount): 104mm(W) x 66mm(D) x 97mm(H)
- Operating Voltage: 12V DC
- Power Consumption (on): 300mA max
- Power Input: Via 4-Pin Aviation Connector
- Connection Type: 2x 4-Pin Aviation
- TV System: PAL
- Operating Temperature: -30°C to +70°C
- Operating Humidity: <95% RH
- IP Rating: IP67

AHD-RCAM-1080P

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-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-210-AUD-CONDUIT

Heavy Duty Camera with Smart IR and Cable in Conduit

At CKO, our mission is to ensure your fleet's compliance with the Fleet Operator Recognition Scheme (FORS) by providing top-notch vehicle safety equipment. The FORS scheme stands as a beacon of higher standards, encompassing safety, efficiency, environmental protection, and overall operational excellence.

By adhering to FORS standards, your fleet not only adopts safer working practices but also contributes significantly to reducing work-related road risks. Moreover, FORS certification instils confidence in your customers, assuring them that your fleet operates with safety and sustainability at its core. These advantages not only enhance your reputation but also provide a competitive edge over non-certified fleets.

In line with FORS's commitment to integrating cutting-edge technology, we are proud to introduce our FORS kit, featuring AI pedestrian detection cameras. With the ability to accurately differentiate between roadside fixtures and vulnerable road users, such as pedestrians and cyclists, our AI cameras represent the future of fleet safety.

Blind spot Take care

Find out more about our FORS kits.
Call us today on **0208 863 8333** (Option 1).

CKO
THE VEHICLE SAFETY EXPERTS

Brake Light Cameras with Built-In Versatility.

FOR MANY MAKES & MODELS

The Smart Solution for Installers Who Demand Flexibility.

Compatible with various van makes and models, with even more products coming soon! Designed for exceptional performance, our brake light cameras feature **switchable PAL/NTSC, selectable D1 or AHD 1080p resolution.**

With an **IP68 rating and ECE R10 approved.** Each camera includes a **10m Aviation Extension Cable** for easy installation. A wide range of video inserters are available for rear-view cameras to integrate with OEM Infotainment screens.

Contact the CKO sales team to find out more.
Call 0208 863 8333 (Option 1)

CKO
THE VEHICLE SAFETY EXPERTS

## C-KO-MAXUS9-CAM-CW

Maxus eDeliver 9 (2020-Current)

- Connection Type: RCA
- TV System: Adjustable black cable. Default NTSC cut the loop for PAL
- Output Resolution: Adjustable white cable. Default CVBS cut the loop for 1080P
- Viewing Angle: 170°
- Mirrored Image: Yes
- Guide Lines: Adjustable via green cable. Default ON , cut the loop for OFF
- Microphone: No
- Operating Voltage: 12V/24V
- Operating Temperature: -30°C ~ +70°C
- Power Consumption: Max 70mA
- IP Rating: IP67

Black Wire: NTSC/PAL (Default NTSC)
White Wire: AHD/CVBS (Default AHD)
Green Wire: Guide lines ON/OFF (Default ON)

CKO-BER-CAM-CW

Citroen Berlingo (2008-Current)
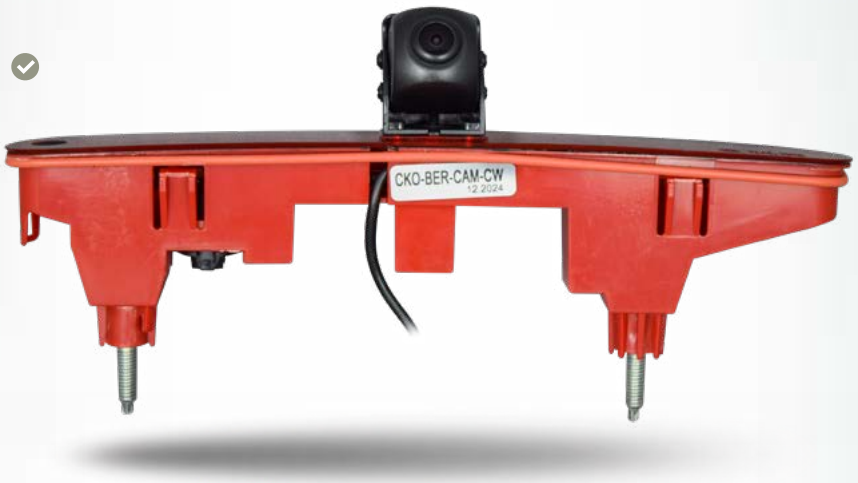
- Dimensions: 240mm (W) x 28mm (D) x 110mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: Up/Down
- Night Vision IR LED: No
- Night Vision: 0.1 Lux

- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

C-KO-CRAFTER-CAM-CW

Fit for VW Crafter / MAN TGE (2017-Current)

- Dimensions: 60mm (W) x 65mm (D) x 220mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: Up/ Down
- Night Vision IR LED: 8

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/NTSC (Default AHD)

C-KO-FT-CAM-CW

Ford Transit Brake Light camera (2013-2019)

- Dimensions: 405mm (W) x 55mm (D) x 110mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Lens: 2.8mm
- Camera Adjustment: Fixed
- Night Vision IR LED: 8

- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/NTSC (Default AHD)

C-KO-TC-CAM-LED-CW

Ford Transit Custom with LED (2016-Current)

- Dimensions: 265mm (W) x 50mm (D) x 140mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: Aviation
- Lens: 2.8mm
- Camera Adjustment: Fixed
- Night Vision IR LED: 10

- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/CVBS (Default AHD)

C-KO-BDV-CAM-CW

Mercedes-Benz Vito Van Two Doors (2016)

- Dimensions: 60mm (W) x 65mm (D) x 220mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: Up/ Down
- Night Vision IR LED: 8

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

CKO-EXP-CAM-CW

Peugeot Expert/Traveller, Citroen Jumpy / Space Tourer & Toyota ProAce (2016-Current)
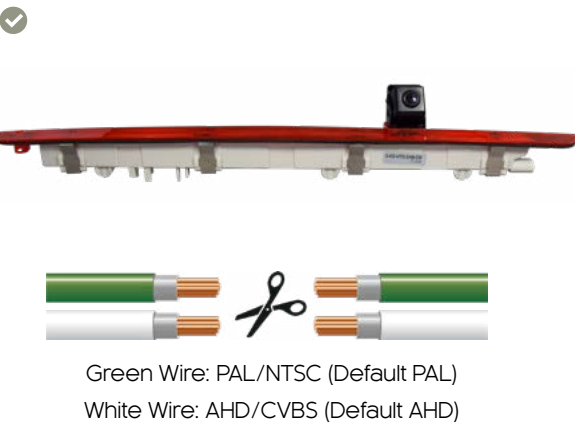
- Dimensions: 265mm (W) x 35mm (D) x 65mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: Up/ Down
- Night Vision IR LED: No

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

C-KO-NRV-CAM-CW

Renault Master, Nissan NV400, Vauxhall Movano Brake Light Camera (2010-Current)

- Dimensions: 200mm (W) x 130mm (D) x 135mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: No
- Night Camera IR LED: No

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

C-KO-IVEC-CAM-CW

Iveco Daily (2023-Current)

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)
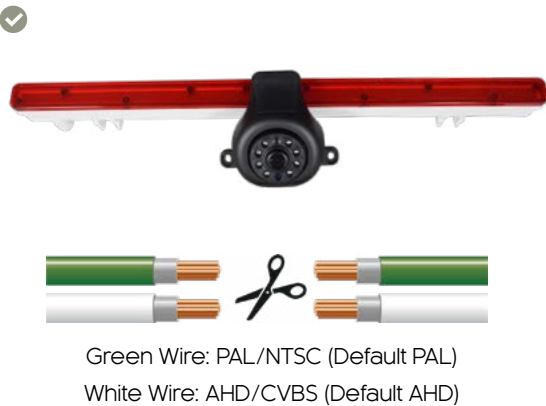
- Dimensions: 345mm (W) x 25mm (D) x 85mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Lens: 2.8mm
- Camera Adjustment: Ball Up/ Down

- Night Vision IR LED: 8
- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

C-KO-VITO-CAM-CW

Mercedes Benz V-Klasse / Vito / Viano (2014-Current)

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

- Dimensions: 490mm (W) x 40mm (D) x 95mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: Aviation
- Lens: 1.7mm
- Camera Adjustment: Up/ Down
- Night Vision IR LED: No

- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

C-KO-SPR-CAM-CW

Mercedes Sprinter (2006-2023) / VW Crafter (2007-2023)

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/CVBS (Default AHD)

- Dimensions: 345mm (W) x 35mm (D) x 120mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Lens: 2.8mm
- Camera Adjustment: Fixed
- Night Vision IR LED: 10

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

C-KO-VR-CAM-CW

Vauxhall Vivaro / Renault Traffic (2014-Current)

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/NTSC (Default AHD)
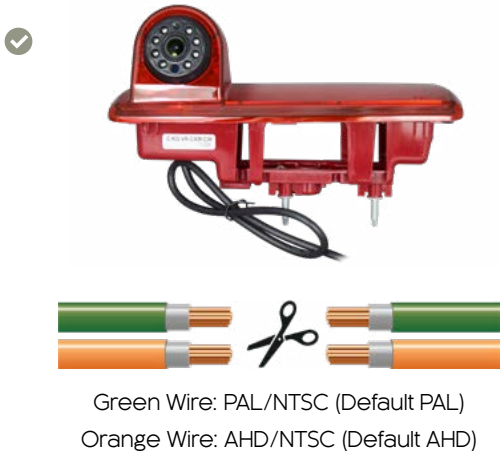
- Dimensions: 230mm (W) x 80mm (D) x 70mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Camera Adjustment: Ball Up/ Down
- Night Vision IR LED: 8

- Night Vision: 0.1 Lux
- Replaces current brake light lens
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

C-KO-CAD-CAM-CW

VW Caddy (2022-2024)

Green Wire: PAL/NTSC (Default PAL)
White Wire: AHD/CVBS (Default AHD)

- Dimensions: 185mm (W) x 35mm (D) x 95mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Lens: 1.7mm
- Camera Adjustment: Up/ Down

- Night Vision IR LED: No
- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 130°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

C-KO-FPC-CAM-CW

Fiat Ducato, Peugeot Boxer, Citroen Jumper Van (2006-2023)

Green Wire: PAL/NTSC (Default PAL)
Orange Wire: AHD/NTSC (Default AHD)

- Dimensions: 270mm (W) x 55mm (D) x 100mm (H)
- Resolution: D1/AHD 1080p (Selectable)
- Image Format: PAL 25FPS/ NTSC 30FPS (Selectable)
- Connection Type: 4 Pin Aviation
- Lens: 2.8mm
- Camera Adjustment: Ball Up/ Down

- Night Vision IR LED: 8
- Night Vision: 0.1 Lux
- Incorporated LED brake light
- Approval: ECE R10
- Viewing Angle: 140°
- IP Rating: IP68
- Operating Voltage: 12v/24v
- Operating Temperature: -20° to 70°
- White Balance: Automatic
- Audio: No

Camera Package For Vans

Elevate your driving experience with the AHD-7MM-CAM-CAB van camera package. At the heart of the solution is our cutting-edge 7" AHD Mirror Monitor, boasting a high-resolution, integrated digital display. This monitor offers a crystal-clear view of the rear of your vehicle, ensuring full control and awareness of your surroundings.

With its two-channel triggering capability, the display is activated precisely when needed. The system supports two video inputs, accommodating CVBS (D1) as well as AHD720p and AHD1080p formats.

Mirror Monitor

7" AHD Mirror Monitor. Dual purpose with both clip-on and stalk

Rear Camera

Rear Facing Camera

Extension Cable

10 Metre Extension Cable

CW634

Number Plate Camera with Night Vision

- Dimensions: 198mm(W) 28mm(H) 28mm(D)
- Operating Voltage: 12V
- Mirrored Image: Yes
- Night Vision IR: Yes - 4 IR LEDs
- Min Illumination: 0 Lux (with IR)
- Guide Lines: No
- Audio: Yes
- Viewing Angle: 110°(H) 80°(V)
- Connection Type: 4-pin aviation

- White Balance: Auto
- IP Rating: IP68
- Image Sensor: 1/3" CMOS PC1058
- TV System: PAL CVBS (D1)
- Effective Pixels: 960 x 576
- Emark Certification: R10
- Refresh Rate: 25fps
- Operating Temperature: -20°C to +70°C
- Operating Humidity: <95%
- Storage Temperature: -40°C to +80°C

C-KO-FHD670-170

1080p Number Plate Camera

NEW

- Dimensions: 198mm(W) x 28mm(H) x 28mm(D)
- Operating Voltage: 12V
- Mirrored Image: Yes
- Night Vision IR: Yes – 4 IR LEDs
- Min Illumination: 0 Lux (with IR)
- Guide Lines: No
- Audio: Yes
- Viewing Angle: 170°
- Connection Type: 4-pin aviation
- White Balance: Auto

- IP Rating: IP68
- Image Sensor: 1/2.9" CMOS
- TV System: AHD 1080p
- Effective Pixels: 1920 x 1080
- Emark Certification: R10
- Refresh Rate: 25fps
- Operating Temperature: -20°C to +70°C
- Operating Humidity: <95%
- Storage Temperature: -40°C to +80°C
- Storage Humidity: <95%

CW141642MCAI

Number Plate Camera with Surround

- 4 Pin aviation connection
- Mirror image
- Guide lines selectable
- TV system: PAL or CVBS (D1)
- FPS: 25
- 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)

COL-M95-N
Metal Wedge Camera

- 140 Degree Viewing Angle
- Guideline selectable - on by default, green cable
- Mirror / true image selectable - Mirror by default, white cable
- Horizontal / Vertical mounting selectable - Horizontal by default, orange cable
- 27mm wide x 31mm height x 24mm deep excluding screw thread

- 26mm needed to allow for screw thread and cable to be mounted onto vehicle
- 17mm screw thread depth
- 5mm hole size
- 59cm fly lead
- 4pin mini BM connector
- AHD version also available

NTSC Version (COL-M95-N)

PAL Version (COL-M95-P)

AHD Version (COL-M95-AHD-P)

CA-309-PAL

Wide Angle Camera

- RCA 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)

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-9401-Y-01

Wedge Camera

- RCA video connection
- Guide lines selectable via joining green wires
- Fixed mirror image
- TV system: NTSC
- Output resolution: 480i
- FPS: 30

- 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)

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)

C-KO-CAM-410-WHITE

Side View Camera with Audio in White

DCAM-ANGLE-25

Surface Mount Adaptors for Dome Cameras

- 25" Surface Mount Adaptor

SCAM-SPACER

Side Camera Spacer

- Allows cameras to be mounted further out. Product may need to be adapted. For use with all cameras 25mm deep.

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)

CAM-DOME-600TVL

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)

CA-MB-SPR-CCD-N/-P

Overhanging Camera

- 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-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)

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)

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)

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

Heavy Duty Body Mount Camera in White

C-KO-RCAM-210-NTSC

Heavy Duty Rear Camera

- 4 Pin aviation connection
- TV system: NTSC
- Effective pixels: 960 x 576
- FPS: 30
- 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

MONITORS

CKO-MON-QUAD
7" Quad View Monitor

- 7" HD quality digital screen
- Built-in speaker (audio on all channels)
- 4 x 4 Pin aviation inputs
- 4 Triggers
- Resolution: 1024 x 600
- Contrast ratio: 500:1
- Aspect ratio: 16:9
- Brightness: 400cd/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°

- Operating voltage: 12V / 24V DC
- Dimensions: 179mm(W) 25mm(D) 120mm(H)
- Monitor can power cameras
- Shows up to 4 images on the screen at the same time
- Each input displayed on screen when triggered
- Button locking feature
- Auto dimming function in low light conditions
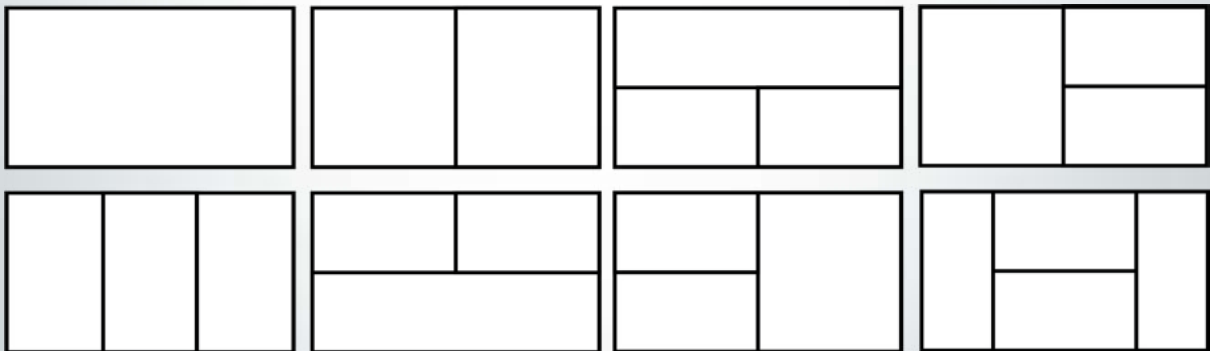
Screen Layout Options

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/m^2
- 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/m^2
- 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

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/m^2
- 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

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)

CK-18
CK-18 Kit Camera

AHD-7MM-CAM-CAB
7" AHD Mirror Monitor Kit

- 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)

- 7" Mirror Monitor with dual purpose clip-on and stalk functionaility, rear camera, and 10 metre extension cable
- 7" TFT LCD Panel
- Resolution: 1024 * RGB* 600 (AHD Monitor)
- Aspect Ratio: 16:9
- 2 Video Inputs via 4pin Aviation connection
- Trigger camera for channel 2
- Configurable delay on triggered image via menu

- PAL & NTSC auto-switching
- CVBS (D1), AHD720p, AHD1080p compatible
- Power DC 12-24 Volts
- Dimensions: 250mm x 21mm x 109mm
- The solution supports two Video inputs, allowing for the connection of CVBS (D1) and is AHD720p and AHD1080p compatible
- Comes with a remote control
- Optional mirror monitor stalk bracket available separately

AHD-7MM-01
7" AHD Mirror Monitor

TD-03
4.3" Mirror Monitor with Stalk

Dual purpose with both clip-on and stalk

- 7" TFT LCD Panel
- Resolution: 1024 * RGB* 600 (AHD Monitor)
- Aspect Ratio: 16:9
- 2 Video Inputs via 4pin Aviation connection
- Trigger camera for channel 2
- Configurable delay on triggered image via menu
- PAL & NTSC auto-switching
- CVBS (D1), AHD720p, AHD1080p compatible
- Power DC 12-24 Volts
- Dimensions: 250mm x 21mm x 109mm

- 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/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°
- Operating voltage: 12V DC
- Dimensions: 270mm(W) 44mm(D) 80mm(H)

Clip for mounting on existing mirror

Tapped mounting holes for mirror stalk bracket

Optional mirror monitor stalk bracket

C-KO-MIR-5C-01

5" Mirror Monitor Clip On

Rear of Product

- 5" Digital panel
- PAL / NTSC compatible
- 2 x 4 pin aviation video inputs
- Switches with video signal
- Resolution: 480 x 272
- Contrast ratio: 300:1
- Aspect ratio: 16:9
- Brightness: 500cd/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°
- Operating voltage: 12V DC
- Dimensions: 276mm(W) 25mm(D) 97mm(H)

C-KO-MIR-5S-01

5" Mirror Monitor with Universal Stalk

Universal Stalk Included   Rear of Product

- 5" Digital panel
- PAL / NTSC compatible
- 2 x 4 pin aviation video inputs
- Switches with video signal
- Resolution: 480 x 272
- Contrast ratio: 300:1
- Aspect ratio: 16:9
- Brightness: 500cd/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°
- Operating voltage: 12V DC
- Dimensions: 276mm(W) 25mm(D) 97mm(H)

TC-06-01

4.3" Mirror Monitor Clip On

Rear of Product

- 4.3" Digital panel
- PAL / NTSC compatible
- 2 x 4 pin aviation video inputs
- 1 Trigger
- Resolution: 480 x 272
- Contrast ratio: 300:1
- Aspect ratio: 16:9
- Brightness: 250cd/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°
- Operating voltage: 12V DC
- Dimensions: 276mm(W) 30mm(D) 39mm(H)

TC-05-01

4.3" Mirror Monitor with Universal Stalk

Universal Stalk Included   Rear of Product

- 4.3" Digital panel
- PAL / NTSC compatible
- 2 x 4 pin aviation video inputs
- 1 Trigger
- Resolution: 480 x 272
- Contrast ratio: 300:1
- Aspect ratio: 16:9
- Brightness: 250cd/m^2
- Viewing angle: U: 50° D:70° R/L 70°/70°
- Operating voltage: 12V DC
- Dimensions: 276mm(W) 30mm(D) 39mm(H)

Mirror Monitor Stalks

CKO offer a wide range of stalk options designed to suit various vehicle makes and models, making it easy to securely fit your mirror monitor into your vehicle. Our stalk selection is fully compatible with our mirror monitors and is continually updated to support newer vehicles, ensuring you can find the right fit with ease.

STALK#CM

Ceiling Mounted Stalk

Ceiling mounted stalk for monitors and mirror monitors

STALK#1

Universal Mirror Stalk/ NISSAN/ FORD

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#3

Stalk For VW

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#7

Mirror Stalk For New Kia/ Vauxhall Antara

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#12

Stalk For Citroen/ Peugeot/ Mercedes/ Fiat

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#35

Stalk For NEW Peugeot Boxer / Fiat Ducato

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#39

Stalk For Peugeot

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

STALK#42

Stalk For Vauxhall up to 2014

For use with TC-05, C-KO-MIR-5S-01, AHD-7MM-01/ CAM-CAB

Camera Package For Motorhomes

Ensure the safe reversing and maneuvering of your motorhome with our specialised camera kit. Our solution includes the new 7" Mirror Monitor, equipped with dual clip-on and stalk functionality, providing optimal visibility and control. Paired with our white dual camera featuring a built-in microphone, you'll have comprehensive coverage of your surroundings, enhancing safety and peace of mind during every journey.

Mirror Monitor

7" AHD Mirror Monitor. Dual purpose with both clip-on and stalk (AHD-7MM-01)

Rear Camera

Dual Camera (AHD-CA-9898)

CATEGORY 7
Sensors

RS-4-22-RM-F

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
- Flat heads

RS-2-22-RM-A

2 Head Rubberdised 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-4000

Parking Sensor

- Quick Installation - simple live & earth
- 5 second off delay for traffic
- Push fit matt 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

RS-4000-F-GPS-MATT

GPS Speed Controlled Front Parking Sensor, GPS Speed Triggered

- Quick Installation - simple live & earth
- 5 second off delay for traffic
- Push fit matt 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

WARNING ALARMS

ALM-MULTI-01

Multiple Vocal Message Warning Alarm

- IP Rating: IP68
- Rated Voltage: 12/24V DC
- Certifications: ECE R10 UKCA
- Sound pressure: 97dB +/-4dB
- Dimensions: 104 x 68 x 60mm
- Three warning message options: "Caution, This Vehicle Is Turning Left", "Caution, This Vehicle Is Turning Right", and "Warning, This Vehicle Is Reversing".

ALM-WNB-01

Selectable White Noise / Beep Alarm

- IP Rating: IP67
- Rated Voltage: 12/80V DC
- Certifications: ECE R10 UKCA
- Sound pressure: 87dB, 97dB, 107dB +/-4dB
- Dimensions: 102 x 67 x 68mm
- Two sound options: "Beep Beep" alert or white noise

ALM-WNBDE-01

Selectable White Noise / Beep Double Engage Alarm

- IP Rating: IP67
- Rated Voltage: 12/80V
- Certifications: ECE R10 UKCA
- Sound pressure: 87dB, 97dB, 107dB +/-4dB
- Dimensions: 102 x 36 x 67mm
- Housing Material: ABS
- Two sound options: "Beep Beep" alert or white noise
- Additional Features Night Silent Function
- Double Engage Function (Disables audible alarm if reverse is engaged twice within 2 seconds)

WARNING ALARMS

CKO-BUZ-1 — Single Tone Buzzer

- Flat top acoustic buzzer
- Voltage 10-28v Dc
- Frequency 450Hz
- Current 25 mA
- Termination by male & female spade terminals

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

CATEGORY 9
Heated Seats

HEATED SEATS

QZ-CK02/A0(A)

High / Low Switch Split Pad Heated Seats

- 4 pads for one seat
- High / Low / Off Switch
- Pad Dimensions: 138 x 500mm
- 45°C - 70°C
- 12 Volt
- EMark E24 certified
- EMC compliant, approved by TUV

QZ-CK01/A0(A)

High / Low Switch Heated Seats

- 2 pads for one seat
- High / Low / Off Switch
- Pad Dimensions: 277 x 545mm
- 45°C - 70°C
- 12 Volt
- EMark E24 certified
- EMC compliant, approved by TUV

QZ-CK01/A0(D)

3 Stage Heated Seat Pads

- 2 pads for one seat
- 3 stage variable heat settings
- Carbon fibre design
- Resets to off state on power cycle
- Max temp 70°C
- 50W max power consumption
- Current drain 4.2A (max), 2.5A (med) 1.25A (low)
- Dimensions 450 x 280 x 0.3mm
- EMark E24 certified
- EMC compliant, approved by TUV

CANM8-SCAN

CAN Bus Interface

- 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.
- **Other CAN Bus interfaces also available**

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
- Dimensions: 30(H) 88(W) 47(D)
- Can be used with any alarm

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
- Compact – easily fits under

SCAM-SPACER

Side Camera Spacer

- Allows cameras to be mounted further out. Product may need to be adapted. For use with all cameras 25mm deep.

CKO-DM-04

Monitor Adaptor

- Knuckle to monitor adaptor for use with C-KO-BRK-04

C-KO-BRACKET

Monitor Bracket

- Self-adhesive pad attached to base

DCAM-ANGLE-15

15 Degree Angle Bracket For 650 Series Cams

C-KO-DM-03

Monitor Bracket

- Self-adhesive pad attached to base

CKO-BRK-04

Monitor Bracket

STALK#CM

Ceiling Mounted Stalk
- Ceiling mounted stalk for monitors and mirror monitors

ACC-STALK-CM

Mounting Plate

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)

DCAM-ANGLE-25

Surface Mount Adaptors for Dome
- 25" Surface Mount Adaptor

TOT-MON/DVR

Adaptor Cable for DVR / Monitor
Female 4 Pin aviation connection to RCA and power.

TOT-MON/DVR-2-01

Female to Female 4 Pin
Power not terminated.

CKO-ALM-NS-AVDEL07

Latched Instant Module with Switch
- ON OFF SWITCH UNIT
- On-off immediate cut out switch
- In cab switch provided
- Auto reset

- 12-24V
- IP67 rated – sealed against mud, water and vibration
- 30(H) x 88(W) x 47(D)
- Can be used with any alarm or side scan sensor system

TOT-CAM

Camera Adaptor Cable
Male 4 Pin to Phono male video and Phono male audio. Unterminated bare end for live and earth

K-69671

Female Cigarette Socket Fused - 5amp

CAB-SV-MTR-4PIN-CL

MULTIPLE LENGTHS AVAILABLE

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

TOT-BARE-FEMALE

Bare End Female Aviation

TOT-BARE-FEMALE-2

Bare End Female Aviation x 2

TOT-CAM-5

4 Pin Aviation to Video and Audio Phono and DC Socket

TOT-CAM-7

4 Pin Aviation to Video Phono and DC Plug

TOT-DC25

Bare End Power Lead

CAB-4SCR-SPLITTER

1 x Male to 2 x Female 4 Pin Splitter

TOT-BARE-MALE

Bare End Male Aviation

TOT-BARE-MALE-2

Bare End Male Aviation x 2

GO-CONV-LEAD-01

4 Pin Aviation to S-Video

TOT-MON-/DVR-4

Male to Female 4 Pin Monitor/DVR Connection Lead (No Power)

CAB-HSD-4PIN-01

>> HSD Female To 4pin Male Lead

CAB-IP-5MEXT

>> 5M Extension Cable for IP Cameras

CKO-RJ45-0.5M

>> RJ45 Cable 0.5M

CKO-AI-AD38-Spacer

>> Spacer for AI Pedestrian Detection Camera

CAB-VOL-CI-01
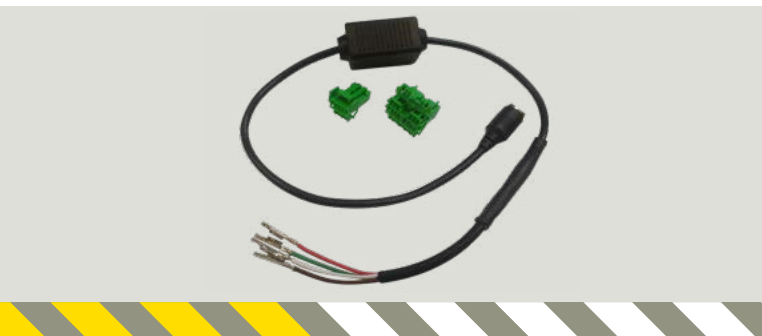
>> Volvo Truck Camera Interface Lead

MAD-PX070

>> PX070 RCA Y Connector 1 Female to 2 Male

CKO-CAL-AITOOL

>> USB Wi-Fi Calibration Tool for AI Camera

CKO-CAM-SIDE-B

>> Stainless Steel Bracket - Camera Side Mount

CKP-BRK-M-PLATE

>> Suzi Mounting Bracket 15 PIN

CKO-EXT-AI-3M/5M-01/10M/20M

MULTIPLE LENGTHS AVAILABLE

>> 3M, 5M, 10M or 20M 8pin Extension Cable for AI Cameras

• Cable has brown signal wire

CA-SUZI-CAM-4 — Tractor Socket for 4 Cameras

15 Pin

Female Lead x4

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

CA-SUZI-MON-4 — Trailer Socket for 4 Cameras

15 Pin

Male Lead x4

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

CA-SUZI-COIL-15PIN — 4 Metre 15 Core Electrical Coil

15 Core

CAV-TRACTOR-1-V — Socket for Single Camera

7 Pin

Female Lead x1

- Female 4 Pin

CAV-TRAILER-1-V — Socket for One Camera

7 Pin

Male Lead x1

- Male 4 Pin

CAV20-40 — Blue Coil

7 Core

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

CAV-TRACTOR-2-V — Socket for Two Cameras

7 Pin

Female Lead x2

- Female 4 Pin x 2

CAV-TRACTOR-1 — Socket for Single Camera

7 Pin

Female Lead x1

- Female 4 Pin

CAV-TRAILER-2-V — Socket for Two Cameras

7 Pin

Male Lead x2

- Male 4 Pin x 2
- Custom versions can be manufactured

CAV-TRAILER-1 — Socket for One Camera

7 Pin

Male Lead x1

- Male 4 Pin

CAV20-20 — Straight Mount for Sockets

- Supplied with nuts & bolts

CAV20-10 — Right Angle Mount for Sockets

- Supplied with nuts and bolts

CAV-TRACTOR-2

Socket for Two Cameras

7 Pin

Female Lead x2

- Female 4 Pin x 2

24S-Tractor-1

24S Tractor Suzi Socket One Camera, Two Fly Leads

7 Pin

Female Lead x1

- 24S Socket
- Single camera connection
- 2 fly leads

CAV-TRAILER-2

Socket for Two Cameras

7 Pin

Male Lead x2

- Male 4 Pin x 2

24S-Trailer-1

24S Trailer Suzi Socket One Camera, Two Fly Leads

7 Pin

Male Lead x1

- 24S Socket
- Single camera connection
- 2 fly leads

CAV20-01

Orange with Inverted 24N Connectors

7 Core

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

CKO-7P-24S-3M

7 Pin 24S Suzi Loose Coil Cable 3M

7 Core

- 24S Connectors
- 3 Metre 7 Core

ACCESSORIES / Suzi Kit Cables

CAB-4PIN-12/24

24 Volt to 12 Volt Dropper

- 4 Pin aviation connection

CA-SW-I-4PIN

4 Pin Intelligent Switcher

- 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

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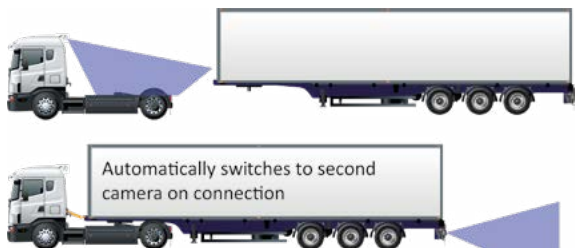
- Automatically detects connection of second camera.
- Ideal for increasing artic safety with an additional
- camera on the rear of the tractor.
- Use with CKO suzi cables and connectors.
- Additional 4 Pin cables of various lengths available.

Automatically switches to second camera on connection

STICKER-SET1

BLIND SPOT TAKE CARE

Selection of Vinyl Decals (CCTV, Angles Morts)

PV-3S-12-24V

24Vdc - 12Vdc Converter

CATEGORY 11
Consumables

FUSEHOLDER-FU8-A
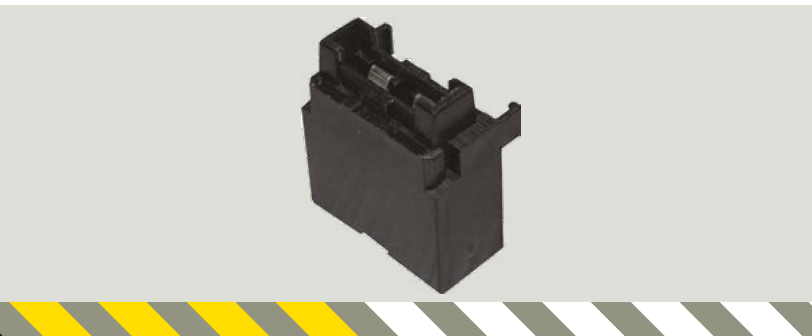
Standard Blade Fuse Holder White
Pack of 25

FUSEHOLDER-FU8-B-25

Standard Blade Fuse Holder Black
Pack of 25

K-69682
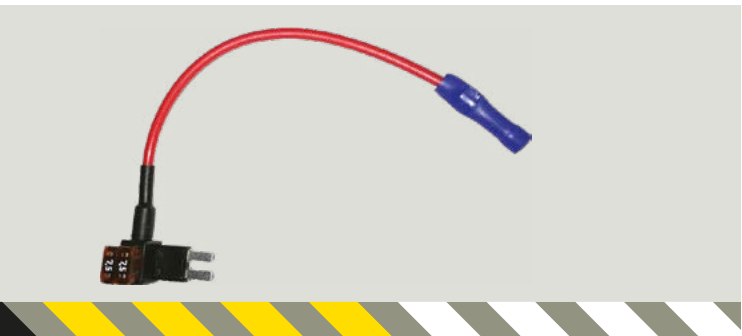
Fuse Tap Small Micro2
Mini Blade Fuse Holder

K-69666

Female Cigarette Socket Unfused
1.5M

CKO-FU32

Mini Blade Fuses
Pack of 25, 7.5A / 10.0A

FH-205/210
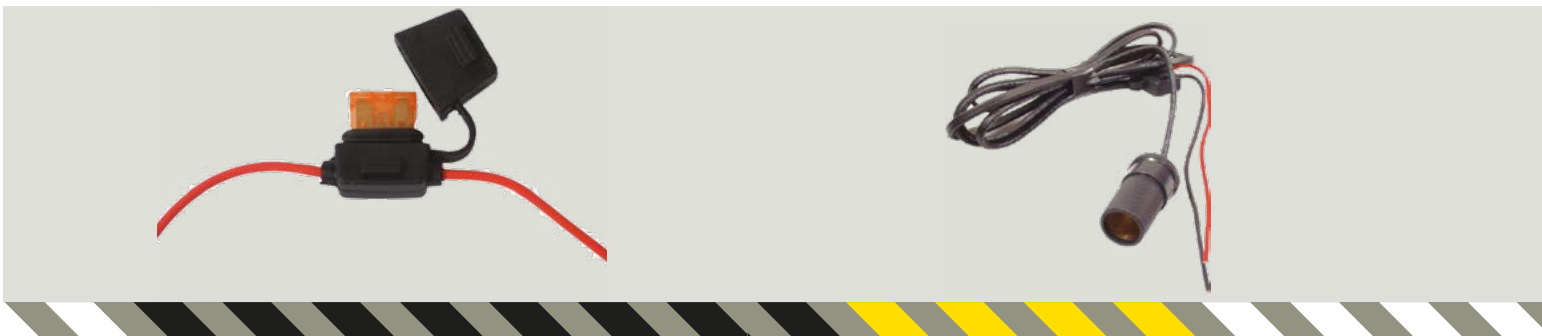
Splash Proof Fuse
5 Amp / 10 Amp

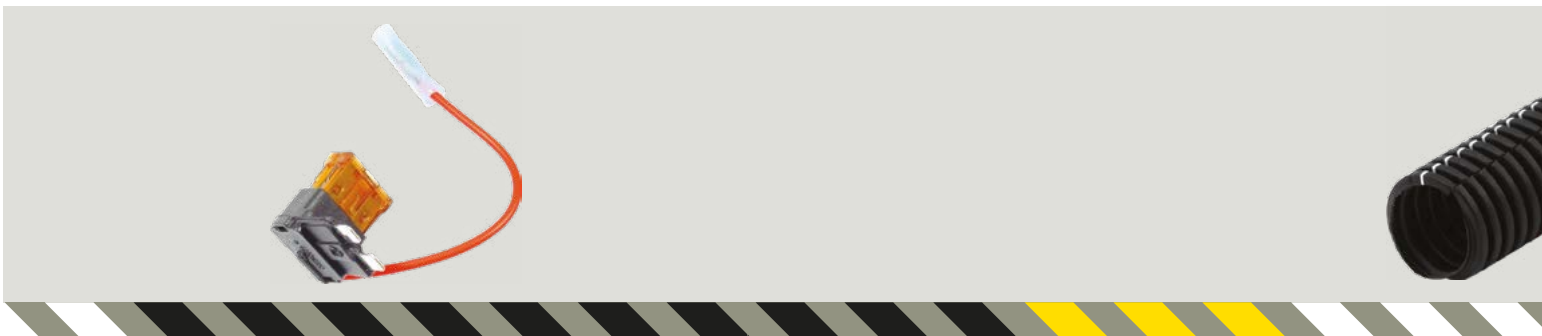## K-69671

Female Cigarette Sockets Fused 5amp

K-69677

Female Cigarette Socket Unfused
0.2M

K-69680
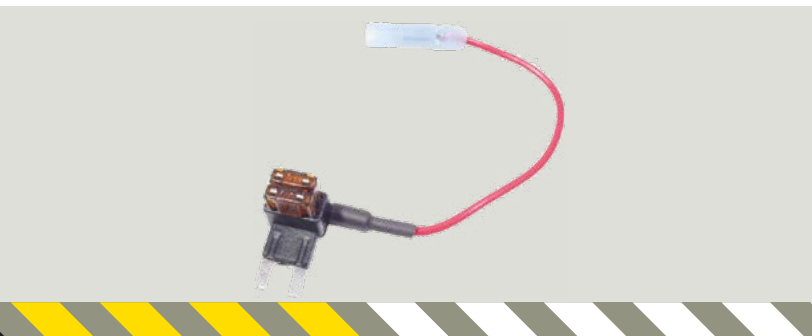
Piggy Back Fuse Holder 7.5amp for Mini Blades Fuse

K-69681

Piggy Back Fuse Holder 10amp Standard Blade Fuse

CONDUIT-SCON1/1A/2/2A

Split Conduit

- CONDUIT-SCON1 6.5mm - 10.0mm x 25M
- CONDUIT-SCON1A 6.5mm - 10mm x 50M
- CONDUIT-SCON2A 10.1mm - 13.0mm x 50M

TL-SCTOPEN-LARGE

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

TIES-TR

Nylon Cable Ties x 100
- 370mm X 4.8mm
- Others available

RY7

5 Pin 12 Volt 20/30A Changeover Relay

LOCAA319-0.5

Loctite AA 319 0.5ml

Mirror Bonder

RY8
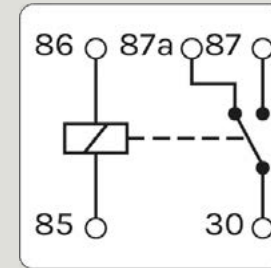
5 Pin 24 Volt 20/30A Changeover Relay

TAPE-T1-N

PVC Tape Pack of 8

19mm x 20M

TAPE-T29

Woven Cloth Tape

19mm x 25M

SW-ROC

Rocker Switch - Standard

CASH BOXES

CASHBOX-F   4 Compartment Cash Box

- High Impact ABS with Mild Steel support
- 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 Compartments

CASHBOX-MOUNT   Cash Box Mounting Plate
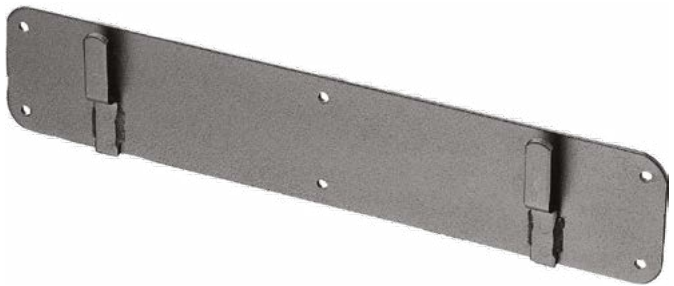
- Heavy duty drivers Cash Box mounting plate
- Easy fix mounting

BEACONS / 8 LED

CKO-LED-211-1B-A

Amber Beacon 8 LED 1 Bolt

- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 8
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 110mm x 130mm
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30°to +60°operating temperature

CKO-LED-211-3B-A

Amber Beacon 8 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 104mm x 154mm

CKO-LED-211-FD-A

Amber Beacon 8 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 195mm x 130mm

CKO-LED-211-M-A

Amber Beacon 8 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 118mm x 154mm

CKO-LED-BRACKET1

Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

CKO-LED-221-1B-A — Amber Beacon 12 LED 1 Bolt

- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 10-30v
- IP Rating: IP67
- LEDs: 12
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 107mm x 119mm (67mm height exc. bolt)
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30°to +60°operating temperature

CKO-LED-210-1B-A — Amber Beacon 16 LED 1 Bolt

- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 16
- Patterns: 4 Selectable Flash Patterns
- Dimensions: 150mm x 130mm
- Flash pattern programming via push button under lens
- Polycarbonate lens
- -30°to +60°operating temperature

CKO-LED-221-3B-A

Amber Beacon 12 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 61mm x 145mm

CKO-LED-221-FD-A

Amber Beacon 12 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 152mm x 119mm

CKO-LED-210-3B-A

Amber Beacon 16 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 144mm x 154mm

CKO-LED-210-FD-A

Amber Beacon 16 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 235mm x 130mm

CKO-LED-221-M-A

Amber Beacon 12 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 90mm x 119mm

CKO-LED-BRACKET1

Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

CKO-LED-210-M-A

Amber Beacon 16 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 235mm x 130mm

CKO-LED-BRACKET1

Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

CKO-LED-255-1B-A

Amber Beacon 24 LED 1 Bolt Airport Approved

- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10 / R65 / ICAO / CAP168
- Voltage: 9-30v
- IP Rating: IP67
- LEDs: 24
- Patterns: 7 Selectable Flash Patterns

- Dimensions: 81mm x 130mm
- Flash pattern programming via push button under lens
- Airport Approved
- Polycarbonate lens
- -30°to +60°operating temperature
- **Also available with a magnetic mount fixture (CKO-LED-255-M-A)**

CKO-LED-209-1B-A

Amber Beacon 60 LED 1 Bolt

- Lens: Amber
- Fixing: 1 Bolt
- Approval: ECE R10
- Voltage: 12-24V
- IP Rating: IP66
- LEDs: 60
- Patterns: 3 Selectable Flash Patterns

- Dimensions: 175mm x 140mm
- Flash pattern programming via dip switches
- Life-span in excess of 10000 hours
- Tough and durable ABS base
- Polycarbonate lens
- -30°to +50°operating temperature

CKO-LED-270-1B-A

Amber Beacon 24 LED 1 Bolt

- Fixing: 1 Bolt
- Dimensions: 122mm x 130mm (166mm height inc bolt)

CKO-LED-270-3B-A

Amber Beacon 24 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 122mm x 130mm

CKO-LED-209-3B-A

Amber Beacon 60 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions:175mm x 140mm

CKO-LED-209-FD-A

Amber Beacon 60 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 175mm x 140mm

CKO-LED-270-FD-A

Amber Beacon 24 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 213mm x 130mm

CKO-LED-270-M-A

Amber Beacon 24 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 130mm x 130mm

CKO-LED-209-M-A

Amber Beacon 60 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 171mm x 127mm

CKO-LED-BRACKET1

Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

BEACONS / 60 LED, GREEN

CKO-LED-209-1B-G

Green Beacon 60 LED 1 Bolt

- Lens: Green
- Fixing: 1 Bolt
- Approval: ECE R10
- Voltage: 12-24V
- IP Rating: IP66
- LEDs: 60
- Patterns: 3 Selectable Flash Patterns
- Dimensions: 175mm x 140mm
- Flash pattern programming via dip switches
- Life-span in excess of 10000 hours
- Tough and durable ABS base
- Polycarbonate lens
- -30˚to +50˚operating temperature

CKO-LED-209-3B-G

Green Beacon 60 LED 3 Bolt

- Fixing: 3 Bolt
- Dimensions: 175mm x 140mm

CKO-LED-209-FD-G

Green Beacon 60 LED Flexi Din

- Fixing: Flexi Din
- Dimensions: 175mm x 140mm

CKO-LED-209-M-A

Green Beacon 60 LED Magnetic Mount

- Fixing: Magnetic Mount
- Dimensions: 171mm x 127mm

CKO-LED-BRACKET1

Pole Mount Bracket for Flexi Din

- Made from Iron
- Dimensions 102 x 24mm
- Only used with flexi din stem products

CKO-LED-116-1B-A — Amber 248mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 248mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-116-M-A

Amber 248mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 248mm x 171mm x 37mm (55mm inc. magnet)

CKO-LED-114-M-A

Amber 270mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 270mm x 160mm x 49mm (67mm inc. magnet)

CKO-LED-114-1B-A — Amber 270mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 270mm x 160mm x 49mm (85mm inc. bolt)
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-112-1B-A — Amber 310mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt
- Approval: ECE R10/R65 Approved
- Voltage: 9-30v
- IP Rating: IP65
- LEDs: 72
- Patterns: 8 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 310mm x 159mm x 75mm
- Life-span in excess of 10000 hours
- Tough and durable ABS base, polycarbonate lens
- -30° to +50° operating temperature
- 300mm Cable length
- Synchronisation wire for multiple lights
- Includes wired switch and flash pattern controller for optional in cab light control

CKO-LED-112-M-A

Amber 310mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 310mm x 159mm x 75mm

CKO-LED-117-M-A

Amber 363mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 363mm x 171mm x 37mm (59mm inc. magnet)

CKO-LED-117-1B-A — Amber 363mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-117-2B-A

Amber 363mm Mini Light Bar - Dual Bolt

- Light Colour: Amber
- Lens: Clear
- Fixing: Dual Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-156-B-A

Amber 585mm Mini Light Bar - Bolt Fixing

- Light Colour: Amber
- Lens: Clear
- Fixing: Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 200
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 585mm x 295mm x 53mm (100mm inc. brackets)
- 4 Bolt Bracket for secure fitment
- Reverse polarity protection
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-138-1B-A

Amber/Black 248mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 248mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-138-M-A

Amber/Black 248mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 248mm x 171mm x 37mm (55mm inc. magnet)

CKO-LED-139-M-A

Amber/Black 363mm Mini Light Bar - Magnetic Mount

- Fixing: Dual Magnetic Mount
- Dimensions: 363mm x 171mm x 37mm (59mm inc. magnet)

CKO-LED-139-1B-A

Amber/Black 363mm Mini Light Bar - Single Bolt

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Single Bolt (M12)
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 72
- Patterns: 26 Selectable Flash Patterns
- Additional: Cable with switch included with bolt fixings
- Dimensions: 363mm x 171mm x 37mm (73mm inc. bolt)
- Ultra slim design
- Reverse polarity protection
- Integrated lens design to base provides excellent optical effect
- -30° to +60° operating temperature
- Synchronisation wire for multiple lights

CKO-LED-BRACKET0

Mini Light Bar Bracket

- Bracket kit to fit Mini Light Bars
- Made from galvanised steel
- Kit comes with foam pads and bolts
- Dimensions 240 x 100 x 100mm
- Lifts the product off the roof of the vehicle by 100mm and used in conjunction with a low profile LED mini bar to increase visibility

CKO-LED-711-B-A — Amber Light Bar 600mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 108
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 600mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature
- **Also available with a magnetic mount fixture (CKO-LED-711-M-A)**

CKO-LED-775-B-A — Amber Light Bar 1500mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 252
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1500mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-772-B-A — Amber Light Bar 900mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 156
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 900mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-781-B-A — Amber Light Bar with Black Lid 600mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 164
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 600mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-773-B-A — Amber Light Bar 1200mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 204
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 1200mm x 100mm x 45mm
- Tough polycarbonate lens with UV resistance
- Aluminium base
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

## CKO-LED-782-B-A — Amber Light Bar with Black Lid 900mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 224
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included
- Dimensions: 900mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

LIGHT BARS / STANDARD LIGHT BARS

CKO-LED-783-B-A

Amber Light Bar with Black Lid 1200mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 284
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included

- Dimensions: 1200mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-785-B-A

Amber Light Bar with Black Lid 1500mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 344
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included

- Dimensions: 1500mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-786-B-A

Amber Light Bar with Black Lid 1800mm Bolt Mounted

- Light Colour: Amber
- Lens: Clear with Black Lid
- Fixing: Bolt Bracket
- Approval: ECE R10/R65 Approved
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 404
- Patterns: 27 Selectable Flash Patterns
- Additional: Cable with switch included

- Dimensions: 1800mm x 215mm x 44mm
- Built in traffic controller
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Clear Lens
- -30°C to +60°C operating temperature
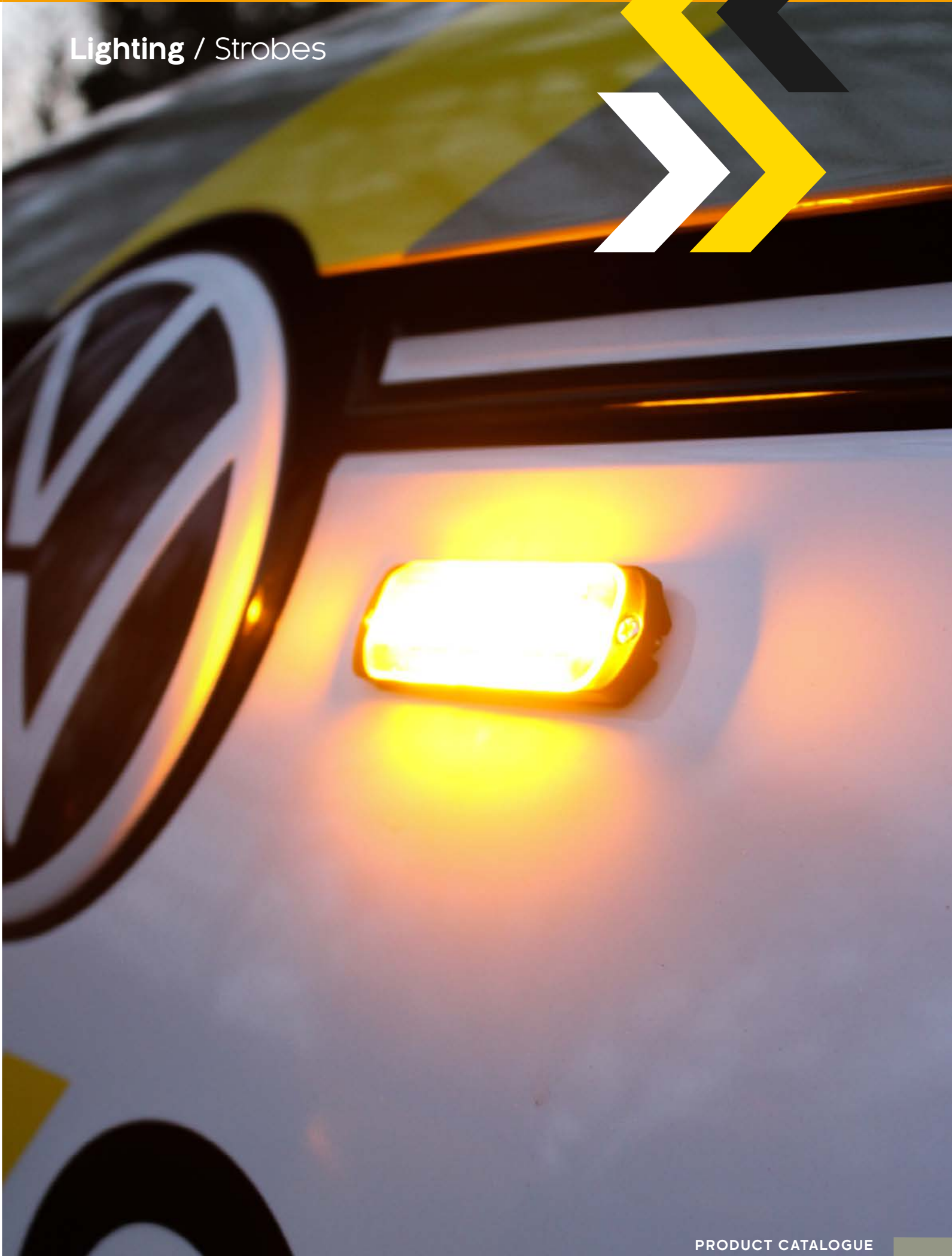
CKO-LED-3H707-A — Amber Strobe 3 LED Ultra Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-3H707-B), Red (CKO-LED-3H707-R) and White (CKO-LED-3H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 3
- Patterns: 26 Selectable Flash
- Dimensions: 82mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-3H709-A — Amber Strobe 3 LED Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-3H709-B), Red (CKO-LED-3H709-R) and White (CKO-LED-3H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP69K
- LEDs: 3
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 77mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-4H707-A — Amber Strobe 4 LED Ultra Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-4H707-B), Red (CKO-LED-4H707-R) and White (CKO-LED-4H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 4
- Patterns: 26 Selectable Flash Patterns
- Dimensions: 92mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-4H709-A — Amber Strobe 4 LED Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-4H709-B), Red (CKO-LED-4H709-R) and White (CKO-LED-4H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP69K
- LEDs: 4
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 95mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-6H707-A — Amber Strobe 6 LED Ultra Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-6H707-B), Red (CKO-LED-6H707-R) and White (CKO-LED-6H707-W)**
- Fixing: Bolt / Self Adhesive
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 6
- Patterns: 26 Selectable Flash Patterns
- Dimensions: 131mm x 31mm x 6.6mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-6H709-A — Amber Strobe 6 LED Slim

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-6H709-B), Red (CKO-LED-6H709-R) and White (CKO-LED-6H709-W)**
- Fixing: Bolt
- Approval: ECE R10 / R65
- Voltage:12-24V
- IP Rating: IP69K
- LEDs: 6
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 113mm x 29mm x 10mm
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

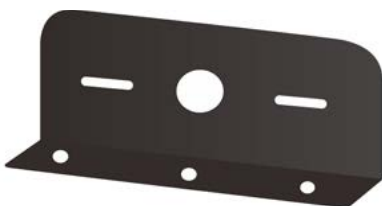## CKO-LED-6H706-A-DI — Amber Strobe with Amber Directional Indicator

- Colour: Amber with Amber outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm Patterns
- Dual function as a directional indicator light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-BRACKET7

Strobe Light Bracket 115mm

- Made from iron
- Dimensions 115 x 63 x 20mm
- Mounting plate for all 4 LED strobe

CKO-LED-BRACKET8

Strobe Light Bracket 142mm

- Made from iron
- Dimensions 142 x 63 x 20mm
- Mounting plate for all 6 LED / 12 LED strobe models

CKO-LED-6H706-A-RV — Amber Strobe with White for Reverse

- Colour: Amber with White outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm
- Dual function as a reverse light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-704-A — Amber Curved Strobe 12 LED

- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 12
- Patterns: 26 Selectable Flash Patterns
- Dimensions: 170mm x 80mm x 30mm
- Tough polycarbonate lens with UV resistance
- Aluminium base with heat dissipation
- Reverse polarity protection
- Synchronise up to 15 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-6H706-A-ST — Amber Strobe with Red Tail Light

- Colour: Amber with Red outer
- Fixing: Bolt
- Approval: ECE R10 / R65 / R148
- Voltage:12-24V
- IP Rating: IP67
- LEDs: 6 Amber Warning / 18 Outer
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 132mm x 51mm x 19mm
- Dual function as a tail light and a warning light
- Tough polycarbonate lens with UV resistance
- Die-cast Aluminium base with heat dissipation
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-708-A — Amber Strobe 6 LED Ultra slim

- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 12
- Additional: Bracket included
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 108mm x 34mm x 27mm
- Tough polycarbonate lens with UV resistance
- Foam gasket
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- -30°C to +60°C operating temperature

CKO-LED-301-A

Hideaway Stem Strobe 2 LED

- Colour: Amber
- Fixing: Bolt or Self Adhesive
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 2
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 32mm x 26mm

CKO-LED-308-A

Amber Octagon Strobe 4 LED

- Colour: Amber
- Fixing: Bolt or Bracket
- Approval: ECE R10 / R65
- Voltage: 12-24V
- IP Rating: IP69K
- LEDs: 4
- Additional: Bracket included
- Patterns: 21 Selectable Flash Patterns
- Dimensions: 27mm x 27mm x 39mm (24mm Diameter)
- Tough polycarbonate lens with UV resistance
- Reverse polarity protection
- Synchronise up to 14 strobes
- Clear Lens
- Includes mounting bracket
- -30°C to +60°C operating temperature

CKO-LED-500-A

Amber Octagon Strobe 5 LED

- Colour: Amber
- **Also available in the colours Blue (CKO-LED-500-B), Red (CKO-LED-500-R), White (CKO-LED-500-W) and Amber/Red Dual (CKO-LED-500-AR)**
- Fixing: Bolt or Surface Mount
- Approval: ECE R10 / R65
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 5
- Patterns: 10 Selectable Flash Patterns
- Dimensions: 60mm x 60mm x 7mm
- Slim Light Head
- Clear Lens
- Aluminium Base
- Polycarbonate Lens
- Synchronisation / alternative synchronisation supported

CKO-LED-848-A-AMP

Amber Side Marker Reflector Lamp with AMP

- Light Colour: Amber
- Lens: Amber
- Fixing: Bracket
- Approval: ECE R10/R3/R91
- Voltage: 12-24V
- IP Rating: IP65
- LEDs: 3
- Additional: AMP connector
- Dimensions: 100mm x 45mm x 15mm
- Oval style reflector / lamp
- Includes mounting bracket
- ABS Housing
- PMMA Lens

CKO-LED-849-A

Amber Side Marker Lamp with Reflex Reflector

- Light Colour: Amber
- Lens: Amber
- Fixing: Bracket
- Approval: ECE R10/R3/R91
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 6
- Dimensions: 115mm x 70mm x 41mm
- Includes mounting bracket
- Zinc Housing
- Polycarbonate Lens
- **With AMP version also available (CKO-LED-849 -A-AMP)**

CKO-LED-853

5 Function Tail Light with Progressive Indicator

- Light Colour: Multiple
- Lens: Clear
- Fixing: Surface
- Approval: ECE R10/R3/R6/R7/R23/R38
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 68
- Dimensions: 284mm x 100mm x 35mm
- Multi Function Tail Light with reflector
- Stop, Tail, Turn, Reverse and Fog light all in one
- ABS / Polycarbonate Housing
- Polycarbonate Lens

WORK LIGHTS / WHITE SCENE LIGHT

CKO-LED-SL2800W-A

White Scene Light with Amber Marker

- Colour: White with Amber Marker
- Lumens: 2800
- Beam Pattern: Flood
- Approval: ECE R10 / R148
- Fixing: Screw fix surface mount
- Voltage: 10-30V
- IP Rating: IP69K
- LEDs: 4

- Dimensions: 200mm x 57.4mm x 47mm
- Aluminium housing
- Polycarbonate lens
- **Also available with a R65 approved Amber Marker (CKO-LED-SL2800W-R65)**

CKO-LED-SL2800W-R

White Scene Light with Red Marker

- Colour: White with Red Marker

CKO-LED-SL2800W-W

White Scene Light with White Marker

- Colour: White with White Marker

CKO-LED-SL2800W

White Scene Light

- Colour: White

CKO-LED-SL2800-HOUSING

Scene Light Housing

CKO-LED-WL604-S — Square Work Lamp 4 LED Spot

- Colour: White
- Lumens: 1080
- Beam Pattern: Spot
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 4
- Dimensions: 73mm x 110mm x 42mm
- Aluminium housing
- PMMA lens

CKO-LED-WL601-S — Rectangular Work Lamp 6 LED Spot

- Colour: White
- Lumens: 1260
- Beam Pattern: Spot
- Approval: ECE R10
- Fixing: Bolt
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 6
- Dimensions: 160mm x 47mm x 56mm
- Aluminium housing
- Polycarbonate lens

CKO-LED-WL602-F — Square Work Lamp 9 LED Flood

- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 108mm x 125mm x 45mm
- Aluminium housing
- PMMA lens

CKO-LED-WL605-F — Circular Work Lamp 9 LED Flood

- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 115mm x 126mm x 50mm
- Aluminium housing
- PMMA lens

CKO-LED-WL-615-F — Square Work Lamp 25 LED Flood

- Colour: White
- Lumens: 5625
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Bolt Bracket
- Voltage: 12-36V
- IP Rating: IP67
- LEDs: 25
- Dimensions: 135mm x 108mm x 55mm
- Aluminium housing
- Polycarbonate lens

CKO-LED-WL606-F — Circular Work Lamp 9 LED Flood with Magnetic Base

- Colour: White
- Lumens: 1400
- Beam Pattern: Flood
- Approval: ECE R10
- Fixing: Magnetic Base
- Voltage: 12-80V
- IP Rating: IP67
- LEDs: 9
- Dimensions: 115mm x 126mm x 50mm
- Aluminium housing
- PMMA lens
- Cigarette adaptor plug
- Removable handle

INTERIOR LIGHTING

CKO-LED-INT300-PIR-12V — Interior Light 300mm 30 LED with PIR 12V

- Colour: White 6000K
- Lumens: 400
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 30

- Dimensions: 300mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

CKO-LED-INT500-PIR-12V — Interior Light 500mm 54 LED with PIR 12V

- Colour: White 6000K
- Lumens: 800
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 54

- Dimensions: 500mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

CKO-LED-INT1000-PIR-12V — Interior Light 1000mm 114 LED with PIR 12V

- Colour: White 6000K
- Lumens: 1600
- Fixing: Mounting Clip x 2
- Voltage: 12V
- IP Rating: IP65
- LEDs: 114

- Dimensions: 1000mm
- Frosted diffuser lens
- PIR Sensor to detect motion and turn on light
- Aluminium Housing

CKO-LED-INT1000-PIR-24V

Interior Light 1000mm 114 LED with PIR 24V

- Voltage: 24V

CKO-LED-INT130-PIR

Interior Light Round 130mm 87 LED with PIR

- PIR Sensor to detect motion and turn on light

CKO-LED-INT173-PIR

Interior Light 173mm 22 LED with PIR

- PIR Sensor to detect motion and turn on light

CKO-LED-INT173-S

Interior Light 173mm 22 LED with Switch

- Touch switch next to lens

CKO-LED-INT130-DV — Interior Light Round 130mm 87 LED

- Colour: White 5700-6500K
- Lumens: 1200
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 87
- Dimensions: 130mm x 12mm
- White polymer housing with frosted lens

CKO-LED-INT300-DV — Interior Light 300mm 54 LED

- Colour: White 5700-6500K
- Lumens: 756
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 54
- Dimensions: 300mm x 57mm x 14.5mm
- White polymer housing with frosted lens

CKO-LED-INT173-DV — Interior Light 173mm 22 LED

- Colour: White 5700-6500K
- Lumens: 308
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 22
- Dimensions: 173mm x 57mm x 14.5mm
- White polymer housing with frosted lens

CKO-LED-INT300-PIR

Interior Light 300mm 54 LED with PIR

- PIR Sensor to detect motion and turn on light

CKO-LED-INT300-S

Interior Light 300mm 54 LED with Switch

- Touch switch next to lens

CKO-LED-INT600-DV — Interior Light 600mm 130 LED

- Colour: White 5700-6500K
- Lumens: 1820
- Fixing: Surface
- Voltage: 10-30V
- IP Rating: IP67
- LEDs: 130
- Dimensions: 600mm x 57mm x 14.5mm
- White polymer housing with frosted lens

CKO-LED-INT600-PIR

Interior Light 600mm 130 LED with PIR

- PIR Sensor to detect motion and turn on light

CKO-LED-INT600-S

Interior Light 600mm 130 LED with Switch

- Touch switch next to lens

CKO-LED-INT310-DV — Interior Light 300mm 18 LED

- Colour: White 6000K
- Lumens: 360
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 18
- Dimensions: 300mm
- Aluminium Housing
- Silicone Seal

CKO-LED-INT510-DV — Interior Light 522mm 30 LED

- Colour: White 6000K
- Lumens: 600
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 30
- Dimensions: 522mm
- Aluminium Housing
- Silicone Seal

CKO-LED-INT1000-DV — Interior Light 1000mm 60 LED

- Colour: White 6000K
- Lumens: 1000
- Fixing: Surface
- Voltage: 12-24V
- IP Rating: IP67
- LEDs: 60
- Dimensions: 1000mm
- Aluminium Housing
- Silicone Seal

NEW PRODUCT

CKO-CWL1
Cycle Warning Light

- Voltage: 10-30V DC
- Dimensions: 160mm x 160mm
- IP Rate: 68
- Max. Operation Temperature: +60°C
- Housing: Black PC
- LED Chips: 33pcs amber, 33pcs red
- Watt: 0.3W/LED
- Cable: PVC
- Wire Length: 150cm
- Colour: White and Amber
- Light sensor to increase brightness in day light

MEET THE TEAM

The Vehicle Safety Experts

At CKO, our passion lies in helping our customers to discover the perfect product or package to fulfill their vehicle safety needs. With a dedicated team working diligently behind the scenes, we strive to exceed our customers' expectations by delivering tailored solutions that prioritise safety and satisfaction.

Sales

With years of industry experience and a wealth of knowledge, our sales team members are experts in vehicle safety and compliance. They are ready to help you navigate regulations, recommend the best solutions, and ensure that you achieve your safety and compliance goals with confidence.

Chris · Karen · Mary · O'Neil

Gillian · Tony · Michael

Technical

Serving as the backbone of our operations, our technical team stand ready to support both our sales team and our valued customers alike. With a deep understanding of our products and services, they possess the capability to address any technical inquiries our customers may have, ensuring an exceptional experience.

Accounts

Comprised of diligent professionals with a wealth of financial expertise, our accounts team are committed to providing exemplary service to our valued clients. From managing billing inquiries to resolving payment issues, our accounts team works tirelessly to guarantee customer satisfaction and foster long-term relationships.

CKO

THE VEHICLE SAFETY EXPERTS

CKO Vehicle Safety Experts

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