



CleverTEC

CONNECTING AI



CTS40AI Multi-Cam

PRODUCT GUIDE



Wide Angle



1080P



Video Recorder



Aperture F2.0



6 Glass Lens

Summary

The CTS40AI.M is the most advanced Android dual dash camera with revolutionary features inclusive of 1080p HD video, 4G connectivity and all the information required to professionally manage your fleet. CTS40AI.M records Mileage, Routes taken, Idle vehicles, Driver league & Risk behaviour analysis.

INSTANT FNOR NOTIFICATIONS



Complete Features



CAMERA

Full 1080p HD video with 140° viewing angle lens with an incorporated driver camera. Additional option of internal or rear 2nd camera.



LIVE VIEWING

View live footage of camera from any IOS or Android device.



GPS TRACKING

Live location updates and historical route tracking.



EVERYTHING CLOUD

Flexible easy to manage vehicle alerts function with complete fleet tracking, driver scoring, vehicle data plus more and all stored within your own cloud hub.



EVENT REPORTS

Produce in-depth reports including images, motion, location & speed data.



OUT OF HOUR ALERTS

Receive alerts if the vehicle is driven out of permitted times.



LTE CONNECTIVITY

With multi-network roaming as standard this product takes stability to a new level, resulting in virtually no connection dropouts unlike other connected Dashcams.



android Operating Systems



WAKE UP FUNCTION

This is UK's first known Dashcam with "Wake Up". Footage retrieval is now possible on Powered down/Parked or even impounded vehicles.

Driver Behaviour Analysis

Mobile App & Website

Route Optimization & Scheduling



Incidents

The 'Incidents' dashboard displays a list of events on the left and a detailed view of a specific incident on the right.

Incident List (Left Panel):

- OLA India**
 - AP09TY6789 (Vibration)
 - 23-Sep-2019 13:20:22 | 0
 - 53 Park Ln, London W1K 1QA, United Kingdom
- InteleX Gachibowli Staff**
 - AP09TY6789 (Exit Geofence Area)
 - 23-Sep-2019 10:24:15 | 0
 - 53 Park Ln, London W1K 1QA, United Kingdom
 - AP09TY6789 (Enter Geofence Area)
 - 23-Sep-2019 10:24:05 | 0
 - 53 Park Ln, London W1K 1QA, United Kingdom
 - AP 05 DH8855 (Enter Geofence Area)
 - 23-Sep-2019 10:23:58 | 0
 - 53 Park Ln, London W1K 1QA, United Kingdom
 - AP09TY6789 (Enter Geofence Area)
 - 23-Sep-2019 10:23:51 | 0
 - 53 Park Ln, London W1K 1QA, United Kingdom

Incident Detail View (Right Panel):

AP09TY6789 - Vibration

- Incident:** 0, 23-Sep-2019 12:25:36, 53 Park Ln, London W1K 1QA, United Kingdom
- Driver:** Guna F200, 53 Park Ln, London W1K 1QA, United Kingdom
- Vehicle:** AP09TY6789, Car, 53 Park Ln, London W1K 1QA, United Kingdom

Map View: A satellite map of London showing the incident location. Landmarks include Blackstone London, Berkeley Square, Annabel's, The Footman, Lansdowne House, The Chesterfield Mayfair, and Sainsbury's Local.

Actions: Assigned, Actions, Add Notes

Evidence

The 'Evidence' dashboard displays a table of evidence items and a map with a video player overlay.

Evidence Table:

| Type | File name | Added by | Date | Address | Action |
|---------|-----------|----------|----------------------|--|-----------|
| Command | - | | 23-Sep-2019 12:46:46 | 53 Park Ln, London W1K 1QA, United Kingdom | Declined! |

Map View: A map showing a route with stops. The video player overlay shows a street view of a car on a road.

Video Player: 23-04-19 12:46:56 CTS40D

Actions: Assigned, Actions, Add Notes

Our portal presents cutting-edge technology tailored to empower medium to large organizations in managing fleet risk and incidents with unparalleled efficiency and precision.

Contents in the box:



Dual Facing Camera



GPS Antenna



Power Supply

Optional additions



Micro SD Card



Micro SIM Card



User Guide



2nd Camera Cable

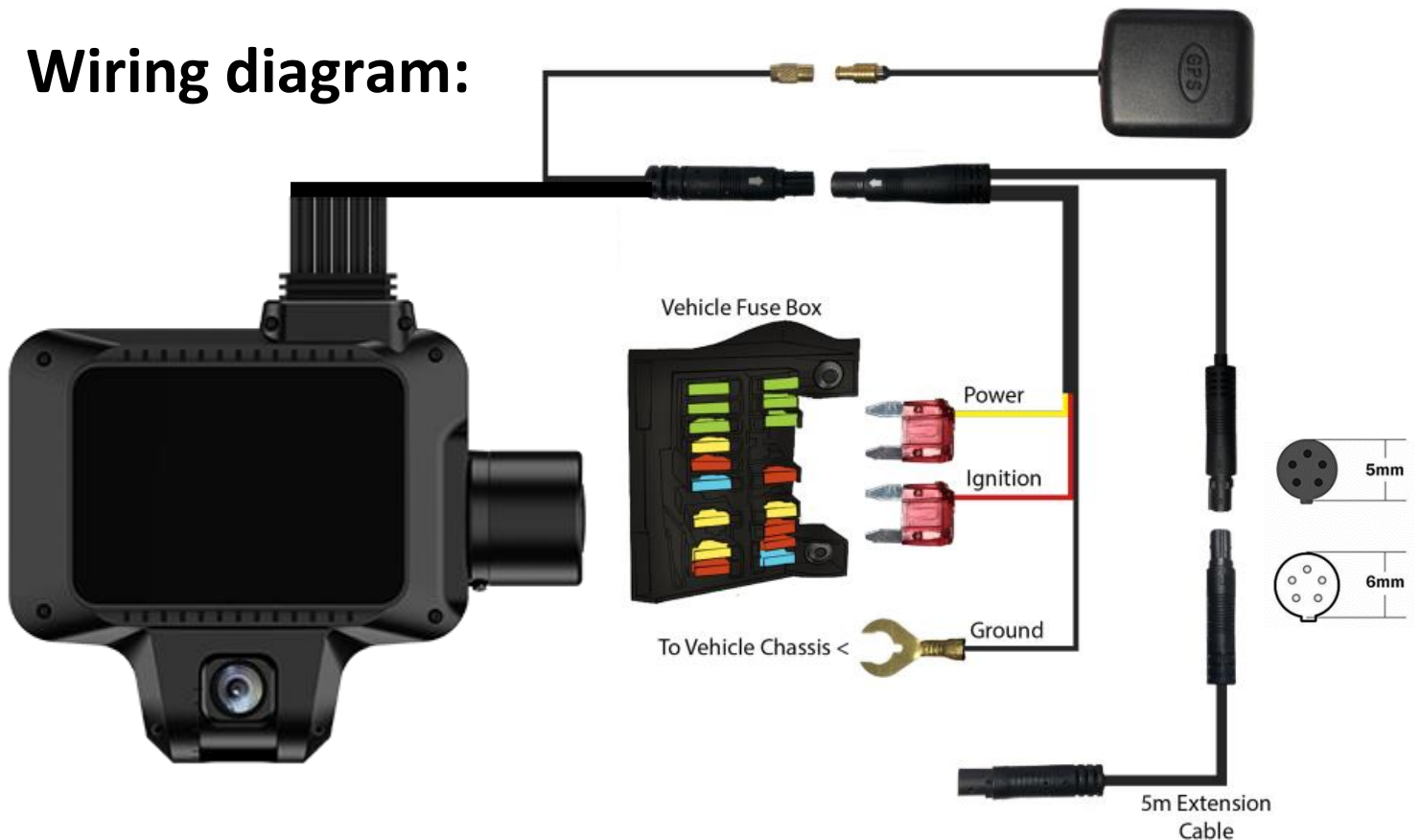


Cable clips



Cable ties

Wiring diagram:





Built-in SSD Memory...

No More missing footage due to faulty SD cards. Our **CTS40AI.M** operates with a built in Solid State hard drive along with DUAL micro-TF card slots allowing a maximum of 512GB on device storage, offering up-to 7+ day recording with all cameras connected.

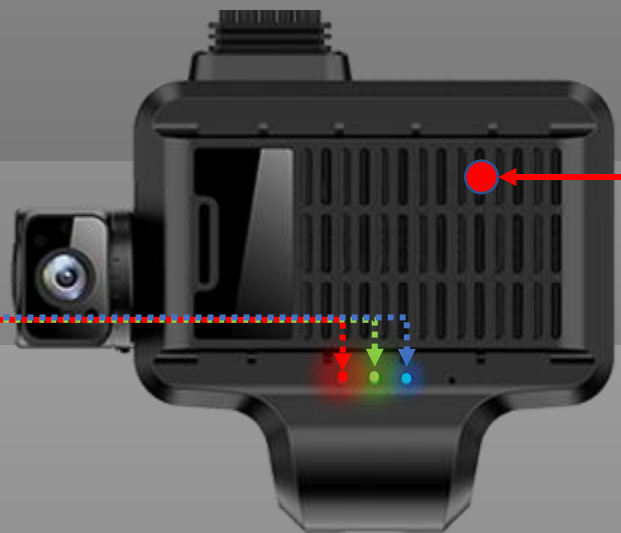
Plate Mount for Adhesive Pad



Power Indicator

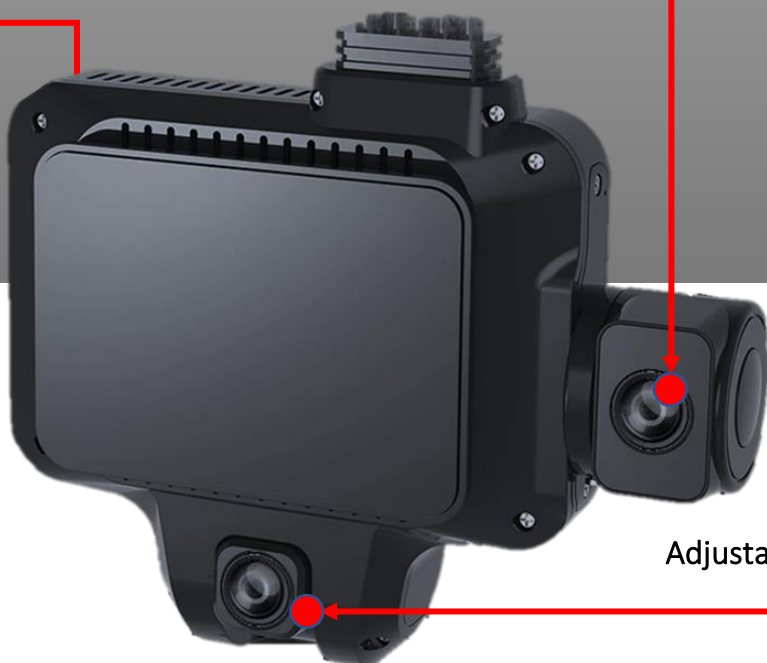
GPS Signal

4G Signal Status



Proportionate Heat & Air Vents

Driver Facing Day & Night IR 3.6mm Lens



Adjustable 2.8mm Lens 140° Pillar to Pillar view

(Top View of Camera)



ADAS Function:



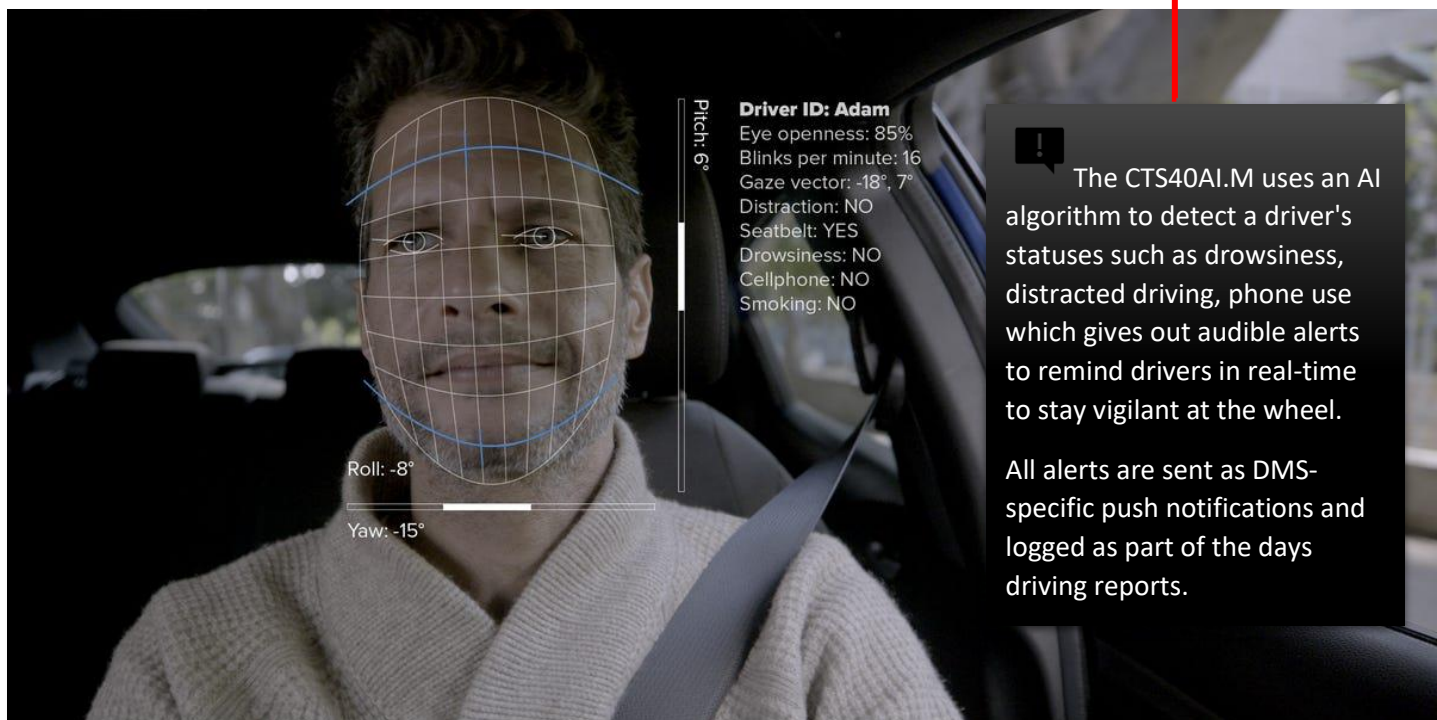
Car Distance Warning

Lane Deviation Warning

Before attaching the CTS40AI.M to the windscreen, it is a must that the screen is clean and clear of any types of greasy marks.

As illustrated the CTS40AI.M needs to be positioned with enough room for the Driver view to not be obscured by the rear-view mirror yet high enough to capture optimum 140° view.

Driver Monitoring System:



Driver ID: Adam

Eye openness: 85%
Blinks per minute: 16
Gaze vector: -18°, 7°
Distraction: NO
Seatbelt: YES
Drowsiness: NO
Cellphone: NO
Smoking: NO

Roll: -8°

Yaw: -15°

Pitch: 6°

The CTS40AI.M uses an AI algorithm to detect a driver's statuses such as drowsiness, distracted driving, phone use which gives out audible alerts to remind drivers in real-time to stay vigilant at the wheel.

All alerts are sent as DMS-specific push notifications and logged as part of the days driving reports.

Extended Features:

Multi Cameras (x3 additional)

Compact and sleek design, 4g/LTE connected dual camera with the capacity to add (x3) cameras offering an all-round 360° view from a dash camera. Loop recording inside and outside of your vehicle to provide video surveillance for safety and driver coaching.

Driver Behaviour / Eco-Driving

Inbuilt 6-Axis accelerometer leveraging quality data collection on driver behaviour events such as harsh acceleration, harsh brake, harsh turning to help reduce incidents and improve fuel economy of your fleet.

Emergency / Panic Button

The button event can be used for multiple use cases although the standard use case is an emergency. Button event by default upload footage to the cloud.

Dual Recording and Event Video Safety

CTS40D 1080p simultaneously records footage to both storage streams. Standard definition (SD) media recorded to inbuilt storage whereas high-definition (HD) media stored to TF SD card.

Remote Monitoring

CTS40D 1080p camera connects with native live stream media server to provide real time monitoring of video surveillance of a vehicle.

Playback Stream

CTS40D 1080p dash camera connects with playback media server which allows you to search recorded videos of approximately 23 hours of travel time.

Geo-fencing

Fleetly platform geo-fencing module has advanced fencing features which allow fleet managers to draw fences on map and definite rules to get notified by preferred communication methods.

Extensibility

CTS40D 1080p Camera comes with RS-232 I/O port to extend additional port to connect Driver ID, Fuel Sensor, Temperature sensor or load sensor.

Technical Specification:

| | | |
|--------------------------------|--|------------------------------------|
| Outward Camera | | |
| AHD (horizontal viewing angle) | | 140 degrees |
| Standard Resolution | | 1080p |
| Standard Frame Rate | | 25 FPS |
| Video Format | | H.264 |
| Inward Camera | | |
| AHD (horizontal) | | 100 degrees |
| Standard Resolution | | 720p |
| Standard Frame Rate | | 25 FPS |
| Video Format | | H.264 |
| Sensors | | |
| G Sensor | | Accelerometer, Gyroscope (6- Axis) |
| GPS Module | | GPS/BDS/GLONASS |
| Night Vision | | Yes |
| Connectivity | | |
| Wireless | | 2.4 GHz 802.11b/g/n |
| Bluetooth | | Yes |
| LTE Module | | NA/EU/ASIA (GSM / WCDMA / 4G) |
| Hardware | | |
| CPU | | ARM Cortex A53 @ 1.44GHz |
| Built-in Storage | | 32 GB (ROM – LPDDR3 1GB) |
| SD Card Storage | | Max 256GB |
| Battery/Power | | DC 9v-30v |
| External Battery | | 450mAh |
| MIC & Speaker | | Built-in |
| W/H/D | | 109mm x 69mm x 52mm |
| Weight | | 224g |
| I/O Configuration | | |
| ACC | | Ignition Detection |
| Relay | | Immobilization (remote cut-off) |
| Extended I/O | | RS-232 |
| Software | | |
| Operating System | | Android |
| Firmware | | 8.1 Go |
| Durability | | |
| Operating Temperature | | -20°C to +70°C |



WARNING! The first time the camera is initialised it must be left to run completely without interruption or cut out for a recommended 10 minutes. This will allow the full configuration to communicate back to the server.



GPS Tracking



Geo Fencing



Live Tracking



Ignition Status



Panic Button



Remote Monitoring



CleverTEC

C O N N E C T I N G A I

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