



# CleverTEC

CONNECTING AI

# CTS40AI



## PRODUCT GUIDE



Wide Angle



1080P



Video Recorder



Aperture F2.0

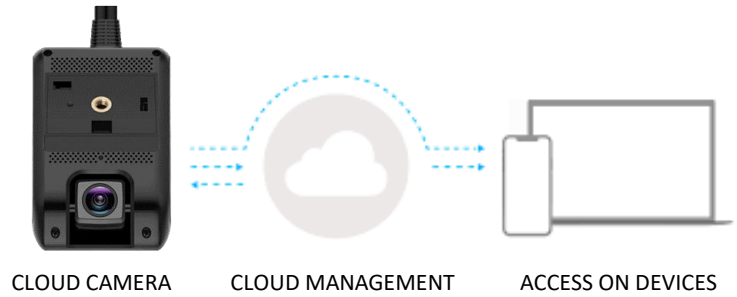


6 Glass Lens

# Summary

The CTS40AI 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 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 is divided into two main sections. On the left, a sidebar lists various events for a specific vehicle (AP39TY6789) and location (53 Park Ln, London W1K 1QA, United Kingdom). The events include geofence entries and exits, and a vibration incident. On the right, a detailed view of the 'Vibration' incident is shown. It includes a table with columns for Incident, Driver, and Vehicle. The incident details are as follows:

Incident	Driver	Vehicle
0	Gina F20uc 91-8897078667	AP39TY6789 Car
23-Sep-2019 12:25:36 53 Park Ln, London W1K 1QA, United Kingdom	53 Park Ln, London W1K 1QA, United Kingdom	53 Park Ln, London W1K 1QA, United Kingdom

Below the table is a satellite map of the incident location in London, with various landmarks labeled. At the bottom right of the map area, there are buttons for 'Assigned', 'Actions', and 'Add Notes'.

# Evidence

The 'Evidence' dashboard provides a detailed view of evidence collected during an incident. It features a table of evidence items, a map of the route, and a video recording.

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

Below the table, there is a section for 'All Routes (9)' with a search bar and filters. A map shows the route with numbered stops (1-5) and a progress indicator (Completed: 0/47, Failed: 0/47, Outstanding: 47/47). A video recording of a vehicle (CT540D) is shown in the foreground, with a timestamp of 23-04-19 12:46:56.

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:



Forward Facing Camera



GPS Antenna



Power Supply

## Optional additions



Micro SD Card



Micro SIM Card



User Guide



2<sup>nd</sup> Camera Cable

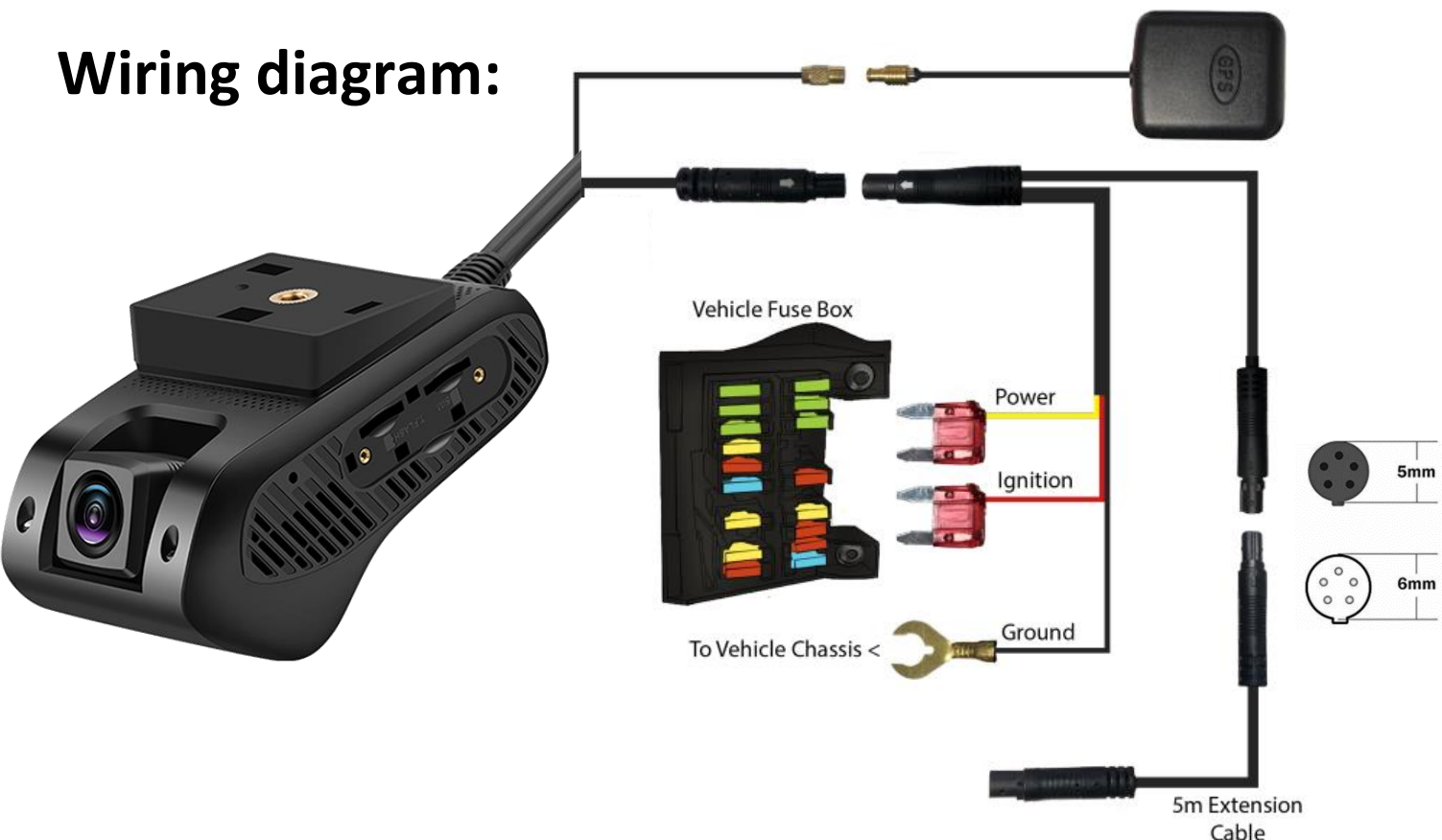


Cable clips



Cable ties

## Wiring diagram:

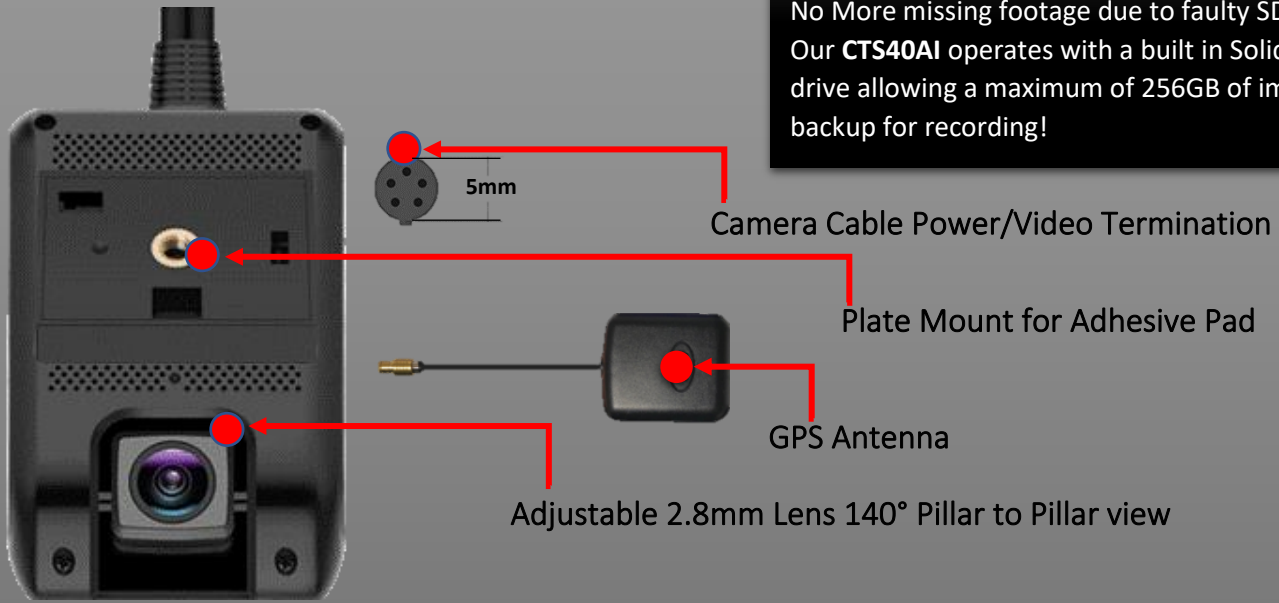




# Camera Details:

## Built-in SSD Memory...

No More missing footage due to faulty SD cards. Our CTS40AI operates with a built in Solid State hard drive allowing a maximum of 256GB of immediate backup for recording!



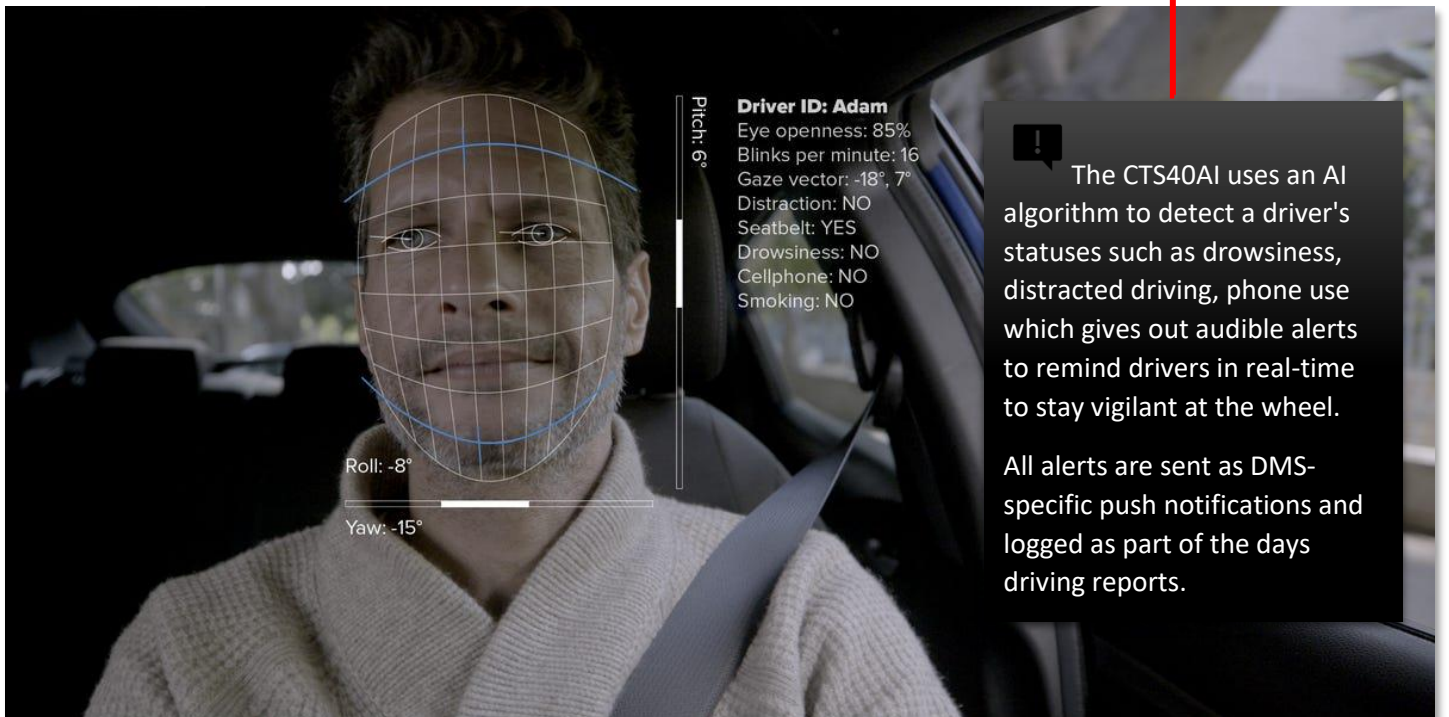
# Camera Positioning:

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

As illustrated the CTS40AI 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:



The CTS40AI 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:

## Dual Camera

Compact and sleek design, 4g/LTE connected dual camera with 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:

<b>Outward Camera</b>		
AHD (horizontal viewing angle)		140 degrees
Standard Resolution		1080p
Standard Frame Rate		25 FPS
Video Format		H.264
<b>Inward Camera</b>		
AHD (horizontal)		100 degrees
Standard Resolution		720p
Standard Frame Rate		25 FPS
Video Format		H.264
<b>Sensors</b>		
G Sensor		Accelerometer, Gyroscope (6- Axis)
GPS Module		GPS/BDS/GLONASS
Night Vision		Yes
<b>Connectivity</b>		
Wireless		2.4 GHz 802.11b/g/n
Bluetooth		Yes
LTE Module		NA/EU/ASIA (GSM / WCDMA / 4G)
<b>Hardware</b>		
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
<b>I/O Configuration</b>		
ACC		Ignition Detection
Relay		Immobilization (remote cut-off)
Extended I/O		RS-232
<b>Software</b>		
Operating System		Android
Firmware		8.1 Go
<b>Durability</b>		
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

For more information or Technical Support on this product please contact us on:

T: **03337 726 168**

E: **info@clevertecsystems.com**

W: **clevertecsystems.com**