

4 Channel MDVR with 4G Connectivity

# RH800

## Product Information Sheet

The RH800 integrates full telematics capability with a 4 channel MDVR remote access camera with 4G connectivity.

The RH800 provides driving behaviour data via an on-board accelerometer which allows for a camera to be activated on harsh manoeuvres. This also means that the unit can provide FNOL notifications and triggered video in the event of a RTA.

Integrating HD camera functionality with our market leading telematics means that users can benefit from a wealth of features, including driving behaviour scoring, vehicle health alerts, driver ID support, remote tachograph downloads, livestreaming and in-cab driver feedback via our accessory range.

Trakm8's RH800 connected camera solution provides up to 4 channels of HD video and image uploads. We also have an extensive range of camera lenses and accessories that allows for bespoke camera fitment requirements. This is the perfect solution to help your fleet become DVS compliant.

## Features

- HD video resolution
- 4 channel capability for bespoke recording requirements
- Vehicle health data provided via Trakm8's Connectedcare solution
- Vehicle diagnostics
- Integrated telematics
- GPS tracking
- G-force sensor
- Compliant remote tachograph download (ACC540)
- Video on demand
- Automatic upload and transmission of harsh manoeuvres and collisions
- Improve driver performance using event based video coaching
- Live video streaming (4G)
- Secure encrypted firmware (tamper proof)
- Secure video transfer
- Automatically capture and report on crash FNOL events
- Full API data-push functionality with 3rd parties to help improve claims efficiency
- Geofencing
- Insight reporting
- Choose from our comprehensive reports library or create your own bespoke reports and dashboards
- Monitor KPIs that matter to your business
- Create bespoke camera upload rules via our trigger service for an autonomous solution
- In-cab driver feedback (with optional audio alerts) via ACC750
- Driver ID via RFID card (ACC750) / Tacho Head (ACC530)
- Installation options: Hardwired by approved installer
- Inputs: 1x Power Take Off (PTO), 4x general inputs for monitoring (indicators, reversing, doors etc)
- Built in Output for use as an immobiliser
- Driver button for event alerting / image capture



### Camera & Monitor Accessories Options

#### In-cab



R20235  
In-cab monitor



R20400  
Road & driver facing



R20401  
Road facing (Separate)



R20402  
Driver facing (Separate)

Or

### Internal Camera Options - IP65



R20410  
Internal wide-angle



R20411  
Internal dome

### External Camera Options - IP67



R20423  
External dome



R20421/R20201  
Rear facing



R20420/R20202  
Side facing left/right



R20422  
Mini side facing left/right

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### Specifications

#### Supply Voltage & Current Draw

##### Supply Voltage

- 6V – 30V (12V/24V Vehicles)
- Super Cap (power retention)

##### Current Draw

- 6mA @12V Sleep mode
- 1.8A peak @12V

##### Connectivity

- Bluetooth Low Energy (BLE 4.2)
- GPS location technology
- External antennas
- 4G communications
- Vehicle CAN 1 interface
- Tacho CAN 2 interface

##### Weight

- 480grams

##### Dimensions

LxWxH:

- 190 x 122 x 33 mm

##### Enclosure

- Black anodised aluminium

##### Operating Temperature

- -20°C to +85°C

##### Certification

- CE, UKCA and E-Mark

##### Mounting

- Secured to vehicle chassis using fittings on the enclosure

##### Inputs

- 1x Power Take Off (PTO)
- 4x general inputs for monitoring (indicators, reversing, doors etc)

##### Outputs

- 1x High sided drive
- Can be configured to drive automotive relay (Immobilisation)

### Accessories

#### Bluetooth Business/Private & Alert Button - ACC700

- Business/Private journey switching
- Driver Alert
- DriverID via Tacho Head (Wired)

#### Bluetooth DriverID & Alert Button - ACC710

- Business/Private journey switching
- Driver Alert
- DriverID via Dallas Key

#### Bluetooth DriverID & Driver Feedback - ACC750

- Clear auto-dimming display
- Real-time driver score updates and alerts poor driving technique
- Driver identification using all standard door entry and employee identity card solutions and NFC from a mobile phone
- Multi-functional button:
  - a. Business or Private journey selection
  - b. Driver Alert

#### Tacho DriverID - ACC530

- Driver identification via Tachograph Card
- Driver working states

#### Tacho Data Download - ACC540

- All the above Driver ID features
- Over air data download
  - Vehicle files
  - Driver files
- Compliant with third party processing

#### Driver Button (CAB602) - Included In Bundle

- Business / Private Journey
- Alert button

#### CAN Connect Interface (ACC558) - Included In Bundle

- OBDII interface Connectedcare
- None invasive connection

### Bundles

#### RH8-512GB

- 4 Channel connected Camera with 512Gb memory

#### RH8-1TB

- 4 Channel connected Camera with 1Tb memory

#### RH8-2TB

- 4 Channel connected Camera with 2Tb memory

### Cables / Antennas

#### CAB942 - Included In Bundle

- 4 way Main power and Ignition Cable

#### CAB943 - Included In Bundle

- 16 way I/O connector

#### ANT141 - Included In Bundle

- GPRS/GPS Combo antenna (Fakra Codes D-Violet, K-Yellow, C-Blue)

#### ANT142 - Included In Bundle

- BLE Bluetooth Antenna

#### R20215

- 5m Camera / monitor extension cable

#### R20216

- 7.5m Camera / monitor extension cable

#### R20217

- 10m Camera / monitor extension cable

#### R20218

- 15m Camera / monitor extension cable

#### R20219

- 20m Camera / monitor extension cable

### Camera's / Monitor

#### R20235

- In-cab monitor 7" with speaker

#### R20400

- Road & driver facing

#### R20401

- Road facing

#### R20402

- Driver facing

#### R20410

- Internal wide-angle

#### R20411

- Internal dome

#### R20421/R20201

- Rear facing

#### R20420/R20202

- Side facing left/right

#### R20422

- Mini side facing left/right

#### R20423

- External dome

#### R20423B

- Surface mount bracket for R20423

### Speakers

#### R20302

- Reverse Speaker, 97dB - 12W-24W

#### R20304

- Left Turn Speaker - 12W-24W