VVH-MDE83 1080P

Professional Driving recorder

- Super Wide Range Power Input +8V up to +60V
- Lithium Battery Built in and Low Power Consumption Competent of Monitoring GPIO, Low Voltage, G Sensor & Gyro Sensor and Wake-up Cameras in Condition of Power Saving Mode.
- Bespoke System Integration by Means of ARM MCU
- Dual SIM Card Accommodation ISP Changed Subject to Regional Coordinate.
- RS-232x2 Series Connected with RFID Read and Other Sensors
- With One Wire Port Communications with Sensors up to x128 Unit Such as Temperature Sensor and iButton
- GLONASS + GPS Module Built in and GPS Receiver External are Two Different Ways of GPS Data Received
- CANbus Type A and Type B Built in for System Integration with CANbus Sensors such as Mobileye
- Supports x10 I/O above Withstand Voltage DC 50V Varsity with Types of Motor Vehicles
- 6-Axis Sensor Built in for Driver Behavior Analytics
- Built in A/D Conversion Detection Such as Speedometer, RPM and Fuel Gauge
- Dual SD Card Reader
- Optional WiFi USB Dongle and RJ45 Module for Various Network Devices Integration Such as WiFi AP, ADAS and DMS
- Compatible of Chrome, Firefox and Edge Variety Browser
- Two Way Audio Live Communication Support

SPECIFICATIONS

Operation System-	SOC + ARM Cortex M3
Video Compression-	H.264/H.265 High Profile
Operation System-	Embedded Linux + MCU firmware
Communications-	4G Cat.4 + AGPS (mini-PCIe 4G Module) Antenna : External (SMA x2)
GPS-	(1)GPS,GLONASS and AGPS Supported within 4G Module. Antenna : External (SMA x1) (2)GPS antenna removed detection.
Video Inputs /Output-	Inputs : 1080P30 x 8Channels (Micro-Dins). Output : CVBS x 1 (Micro-Din) and VGA x 1 Power output : 12V/750 mA with Recoverable Fuse for Micro-Dins.
I/O(standard)-	**(1)Analog Input x 2** a.Voltage Range: 0-50V (e.g. Fuel detection) b.Resolution: 12 bit **(2)Digital Input (max. 50V) x 13** a.Ignition High Active(ACC) x1 b.Tachometer RPM x1 c.Speed x1 d.Positive / Negative Trigger x 10 **(3)Digital Output (Current Output Mode) x2** a.Maximum Current Configuration up to 0.5 Ampere Hardwire Voltage Range+3V to 50V

Version updating is not going to inform, please check the on-going updating information

SPECIFICATIONS

Audio Input /Output-	Support Condenser Microphone and Speaker(4Ω/2W) (Doesn't need Amplifier circuit for both MIC and Speaker)
Communication Interface-	(1)CAN BUS (2 Wires) x 1 (2)RS232 (2 Wires) x 2 (3)Dual SIM Cards (switchable by MCU) External(Full-size 1.8V) (4)eSIM on board (optional) (5)RJ45 (optional) (6)One-Wire x1(e.g.Temperature Sensors, iButtons) max.128
Recording Resolution-	1080P / 720P / 960H
Storage Device-	SD Card (Above Class 10) x 2
Indicate LEDs-	REC/Power(Red LED), Internet(Green LED), GPS(Blue LED)
Buzzer Sounding-	Supported
Sensor-	Built in 6 axis sensor for motion detection (G Sensor function is included.)
Battery Type-	Lithium lion: 3.7V / 2200mA (Built in with Charger)
Power consumption-	(1)Working: a.8-60 VDC, 6W (12V,0.6A), Excluding both Cameras and Screen (Power Protected when over 60V, Max.65V) b.Main Power removed detection. (2)Standby: Less Than 10mA@ >12.6V. (3)+12VOutput: Max. 12V @ 1.35A.

Version updating is not going to inform, please check the on-going updating information

SPECIFICATIONS

Power Supply- DC 8V~60V

USB Socket- **(1)USB-WiFi Dangle (optional)**

a.Support WiFi (AP mode) 802.11b/g/n

b.Applications: WiFi Connection

(2)USB-B.T. Dangle (optional)

a.Support Version:V4.x

b.Applications: Configuration & Firmware Update

(3)RJ45 Network Module (optional)

a.Streaming Share (DHCP)

b.Hardwire DHCP Connection

c.Maximum Shared Bandwidth Subject to Hardware Competence

Working Mode- (1)Regular Work Mode: GPS Localization + Digital Recording.

(2)Power Saving Mod：Timer / Alarm Trigger / 6-Axis Sensor / Wake-up Standby Cameras

Version updating is not going to inform, please check the on-going updating information