In this document you will find the characteristics of the Bolide mobile solution, both for the equipment and the platform.

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MVR

Management of vehicles and machinery with a professional solution with high quality.

The MVR-VCR is specially designed for the installation in vehicles, incorporating the combination of 2 solutions: **Video surveillance and GPS tracking**

**Description:**

**WEB Access**

Access to the platform with your own username and password.

**Ubication**

Locate your vehicle at all times.

**Historical position / Tracking**

The historical position allows that you can see where it has been his vehicle in the last days, weeks or months.
Custom Zones or Geo-fences

You can configure zones and routes, with which alerts can be configured so that when a vehicle between or out of a zone violates the configured parameters, the system will send an email alert to the email addresses that the user chooses and run a pop up in the center of monitoring.

Email notifications

You can configure notifications by email when some of the following events occur: panic button, speeding, long time stopped, traveled distance: total or partial, motor on or motor off.

Users module

You can create sub-users with configurable privileges account. This allows that other people different than the account holder can check the location and configuration of vehicles.

Configuration

You can configure:

Tracking

- Alarm speed
- Alarm power of motor
- Virtual distance, motion alarm timer
- Detention time
- Remote engine shutdown
Reports

Get reports online or for download in Excel or pdf for days or even months ago. The following reports are available:

- Report of excess speed.
- Report of events. (Off - power of Motor, panic button).
- Follow-up report.
- Report of stopped time.
- Report distance traveled.
- Report entry and exit areas.
- Complete report of all vehicles registered in the system. (Distance traveled, number of speeding in the range of selected time, average speed, time stopped, motor on time)

Administration BMMS (Bolide Mobile Management Software)

- Fleet management in real time of up to 100,000 vehicles.
- Monitoring of Audio and video in real time.
- Complete information of the State of the vehicle in real time, as the number of vehicles in line, the speed, the GPS tracking, the temperature of the vehicle, alarms, etc.
- Search and download of Remote Video.
- Snap shot
- PTZ control
- Managed path recording
- Alarm linkage. (Emergency, lost video signal alarm, open door, disk error alarm, alarm of high / low speed, the temperature alarm and other user-defined alarms are activated to activate the alarm respond for example, map lock,) (called alarm, video pop up window automatically, and recording video and save to the Bolide Mobile Management Software platform.)
- Generation of report forms, can be exported directly to the version of Excel for further analysis.
- Monitoring in real time via mobile devices such as iPhone, Android and iPad.

Integrations

Integration to other platforms through SDK of the MVR, wide integration with the vehicle CANBUS protocol allowing to obtain explicit as odometer, rpm, fuel consumption data, (count liters), engine temperature, compressor pressure, use brake, use cruise, use clutch, additive trucks, speed (from the vehicle sensor), engine fault code among others.

Architecture
## Equipment models

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVR9104-SD/4GW</td>
<td>Compact MVR with GPS, 3G / 4G, Wifi 2.4 / 5.8ghz, 4-video inputs: 4 channels 720p (AHD) @ 30 fps, 1-output video, H.264, 2 SD Slots (up to 128 GB) NO Includes SD Memory.</td>
</tr>
<tr>
<td>MVR9104-4GW</td>
<td>MVR with GPS, 3G / 4G, Wifi 2.4 / 5.8ghz, 4-video inputs: 4 channels 720p (AHD) @ 30 fps, 1-output video, H.264, 1 SD Slots, and HDD or SSD (Not included)</td>
</tr>
<tr>
<td>MVR9108/4GW</td>
<td>MVR con GPS, 3G/4G, Wifi 2.4/5.8ghz, 8-entradas de video: 8 canales 720p (AHD) @ 30 fps, 1-salida de video output, H.264, 1 Slots SD, and HDD o SSD (NO incluido)</td>
</tr>
<tr>
<td>MVR9204/4GWH</td>
<td>MVR with GPS, 3G / 4G, Wifi 2.4 / 5.8ghz, 8-video inputs: 8 channels 720p (AHD) @ 30 fps, 1-output video, H.264, 1 SD Slots, and HDD or SSD (Not included)</td>
</tr>
<tr>
<td>MVR9104/4GWP</td>
<td>MVR with 4 video inputs, 4 x 720P AHD / 960H / D1 / HD1 / CIF + 1 x IPC (720P / 1080P). Internal gyro sensor, with GPS, 3G / 4G, Wi-Fi (5.8 Ghz), with storage 2.5&quot; SSD + 5 SD slot 1 x (up to 128GB). <strong>Waterproof IP67</strong></td>
</tr>
<tr>
<td>MVR9004-SD-CT</td>
<td>Compact MVR, 4-way tickets for people counting</td>
</tr>
</tbody>
</table>
**Accesories**

**People counting**

| BV1009/CT1 | Real-time analysis, based on stereoscopic 3D vision to achieve two-way counting (input), accuracy up to 95%; Web report data, the daily generation of each bus of the various stations of the statistics log data for customer download analysis; a device can detect two doors (entrance door, back door), reduce customer acquisition costs; 8V-36V DC power supply width; Adaptability: to distinguish between two directions, from side to side, braided, wandering, luggage and so on. |
| BV1009/CT2 | Real-time analysis, based on stereoscopic 3D vision to achieve two-way count (input / output), accuracy up to 95%; Web report data, the daily generation of each bus of the various stations of the statistics log data for customer download analysis; a device can detect two doors (entrance door, back door), reduce customer acquisition costs; 8V-36V DC power supply width; Adaptability: to distinguish between two directions, from side to side, braided, wandering, luggage and so on. |
Intercom (PPT)

Thanks to the intercom that can connect directly, may have two way communication from vehicles to the central of monitoring, through the 3G connection / 4G of the MVR, you can create groups of communication, having constant communication with their fleet of vehicles.

Fuel sensor

Gasoline sensor not invasive that allows you to have control over the level of gasoline in the vehicle, with its ultrasound technology this device allows to know the fuel consumption of the vehicle on a route mileage without having to modify the gasoline tank.

Alarm sensors

The MVR has 4 alarm inputs expandable to 8 inputs, where you can connect devices such as panic buttons, wireless buttons, sensors of opening doors among others, for greater control of their vehicle, it has a digital output, that allows to have interactive actions like: shutdown of engine or activation of a siren or strobelight among other applications.

Benefits

- Monitor the travel of vehicles according to pre-established plans.
- Optimize plans and routes of routes.
- Detect unauthorized uses of their vehicles.
- Measure the use of its vehicles, both in time and distance traveled.
- Avoid risky driving behaviors, because the system alerts when you exceed a set speed limit.
- Reduce risk of theft, and decrease the value that pay on your insurance policies.
- When there is some activity the customer may see map and live video and just open the audio channel to be alert of the event.

- If crossing distances travelled with loads information (tanking) carrying fuel accessible to detect thefts of fuel.
- It can detect unauthorized stops by the drivers.
- You can detect if the vehicles move out of the permitted work area (geo fence).