Customer Requirements

**SpeedBumps ES**

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**Document Status:**

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**Project Description:**

Definition:

* The device detects speed bumps

Features:

* The device can capture images.
* ECU protection and maintenance
* The device uses real time OS

Key Elements

* The ECU shall connect to a camera that supports real-time capturing.
* The ECU shall monitor the battery’s voltage level.
* The ECU shall monitor its heat level.
* The ECU shall be connected to a DC fan to decrease heat.

**Mapping Customer’s Requirements:**

|  |  |
| --- | --- |
| **ID Requirement** | **Covers** |
| PO\_SB\_ CR\_ES**\_001**-V1.1 | The ECU shall connect to a camera that supports real-time capturing |
| PO\_SB\_ CR\_ES**\_002**-V1.1 | The ECU shall monitor the battery’s voltage level. |
| PO\_SB\_ CR\_ES**\_003**-V1.1 | The ECU shall monitor its heat level. |
| PO\_SB\_ CR\_ES**\_004**-V1.1 | The ECU shall be connected to a DC fan to decrease heat |