Customer Requirements

**SpeedBumps ES**

**ــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــ**

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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 device has a camera that supports real-time capturing.
* Voltage and temperature levels can be tracked.
* A DC fan is used to decrease heat.
* Generate a customized OS with specific configurations.
* Sending specific signals to Complete or not complete the task

**Mapping Customer’s Requirements:**

|  |  |
| --- | --- |
| **ID Requirement** | **Covers** |
| PO\_SB\_ CR\_ES**\_001**-V1.0 | The device has a camera that supports real-time capturing |
| PO\_SB\_ CR\_ES**\_002**-V1.0 | Voltage and temperature levels can be tracked |
| PO\_SB\_ CR\_ES**\_003**-V1.0 | A DC fan is used to decrease heat |
| PO\_SB\_ CR\_ES**\_004**-V1.0 | Generate a customized OS with specific configurations |
| PO\_SB\_ CR\_ES**\_005**-V1.0 | Sending specific signals to Complete or not complete the task |