

LIFT

With our connected and intelligent lift solutions, you enter the third dimension of smart cities.



Look@BOX
Code 8D5899

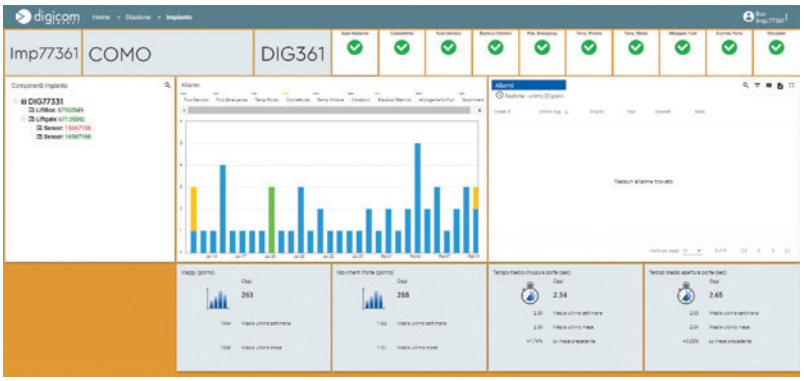
IoT Sensor for lift

- **2G module**
- **ARM7 EJ-S processor @260Mhz**
- **3-axis accelerometer**
- **Built-in algorithm for Stroke counting, Sudden stops, Electrical blackouts, Abnormal vibrations, Leveling to floor (requires external reed)**
- **Sampling frequency 100Hz (max 400Hz)**
- **Bluetooth interface**
- **1 RS485/RS232**
- **4 Digital Inputs (Optoisolated)**
- **1 PTC input**
- **1 LED for device status check**
- **1 Mini-SIM**
- **SMA/m connector for external GSM antenna**
- **Rechargeable backup battery (2xAA)**
- **MQTT protocol**
- **Remote update**

Look@BOX is an IoT sensor for the Lift and Escalator market born from Digicom's experience in the development of BlackBox in the automotive sector.
The development of algorithms capable of analysing driving style (driver behaviour) and identifying accidents (crash detection) was the starting point for this product generation.

Look@BOX is designed to be installed on the car top and it has the task of "capturing" any **accelerometric tracks**.
Through specific algorithms it is able to identify for each elevator run: driving **Direction**, travelling **Time**, **Speed**, traveled **Distance**, **Blocks** and any unknown and abnormal **Vibrations**.

Further information can then be integrated by remote On/Off contacts through 4 opto-isolated inputs, temperature with the **PTC input**, and blackout using the **backup battery**.
Furthermore, with the use of an external sensor, it is possible to detect floor levelling with precision.



SERVICES / SENSORS

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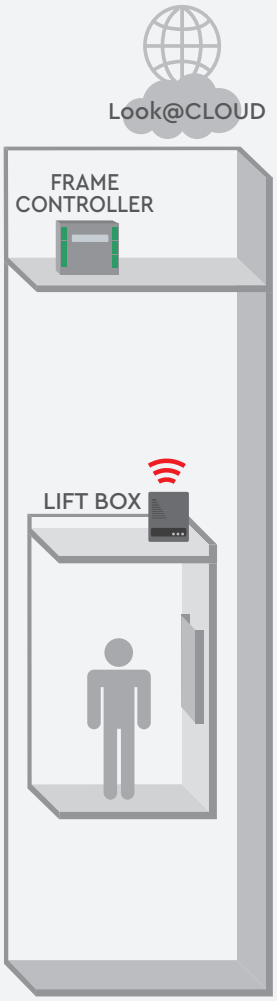
digicom

Look@BOX via the **MQTT protocol** will send the data to the Digicom Look@CLOUD platform or to third-party platforms where further Anomaly Detection and Predictive Maintenance algorithms will be defined with the collected data.



Thanks to the Bluetooth interface, it is possible to update and configure the device locally (via APP on Mobile Phone) and interface specific Bluetooth sensors such as Look@DOOR.
The dedicated sensor for the lift car door that is able to detect: opening movement, closing movement with relative timing or any barrier activation.





PACKAGE CONTENT
- 8D5899 LOOK@BOX
- User's Guide

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