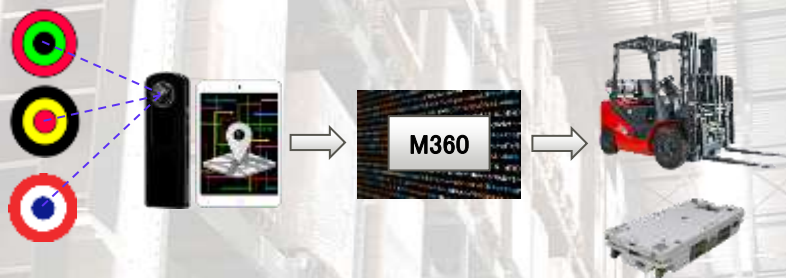


Measuring360

Measuring360 (M360) is an innovative technology based on image recognition, using an optical system (camera) to position objects inside buildings. The system consists of a camera (or several cameras), a computer and the unique M360 software. The system analyzes the image seen by the camera and then recognizes the position of special markers (multicolored concentric circles) placed on the walls or ceiling of the room. On this basis, it calculates, with high precision (10cm - 30cm), the location of the object. The whole system is coupled with an external application monitoring the movement of objects inside the building.



Product features:

- High accuracy of the provided measurements - better than standard IPS implementations based on radio technology: Bluetooth, RFID, UWB, and Wi-Fi.
- The system provides the current position in real time (RTLS) and allows to calculate the direction of movement.
- The M360's image recognition algorithm also provides height measurements of objects in the camera's field of vision.
- M360 recognizes barcodes, which allows you to manage information about the location of stored goods.
- High scalability, easy and low-cost maintenance, and flexibility to fine-tune and improve measurements are the advantages of using the M360 technology.
- Image recognition on M360 addresses a number of challenges that radio technologies usually cannot handle: high-energy electromagnetic fields, radio wave interference, white spots caused by solid metal structures, etc.

Advantages of Measuring360 system:

- Very accurate indoor positioning - object can be located with very high precision - less than 30cm.
- Low installation and operation cost.
- Easy and inexpensive deployment.
- Barcodes recognition.
- Can be used in places where radio wave interference occurs.
- The ability to measure the height of the object and the direction of movement.
- Very easy integration with other systems - outputs data in easy to digest CSV file.

Sample applications:

- Vehicles (e.g., forklifts) tracking inside the warehouse.
- Locating objects.
- Inventory tracking.
- Real-time location systems (RTLS).

Technical parameters:

- Wide angle camera or 360 degree camera and positioning camera.
- Windows PC.
- Colored markers to be placed in predefined places inside the building.
- M360 software for positioning objects.