

## Specifications

**Dimensions:**

IP30: 21.5cm x 15cm x 5cm (8.5" x 5.9" x 2.0")

IP54: 21.5cm x 15cm x 9cm (8.5" x 5.9" x 3.5")

IP69K: 23cm x 15cm x 8.5cm (9.0" x 5.9" x 3.3")

**Weight:**

IP30: 720g (25.4 oz.)

IP54: 864g (30.5 oz.)

IP69K: 1014g (35.8 oz.)

**Temperature:**

-40°C to 65°C (-40°F to 149°F)

**Humidity:**

0 to 95%, non-condensing

**Enclosure:**

Design protection level IP30 (IP54 and IP69K available as upgrades)

ABS/PC (V0), UV Stabilized

**Connectors:**

Ethernet 100Base T RJ45

**Radio frequencies:**

Ultra-wideband channel: 6 - 8GHz

AngleID is certified for use in the following countries:

US: FCC Part 15

FCC ID SEASENSOR30

Canada: IC 8673A—SENSOR30

EU: CE

**Power supply:**

Power-over-Ethernet IEEE 802.3af compatible

**Mounting options:**

Adjustable mounting bracket (supplied)

Safety cable (supplied)

**Ubisense part codes:**

ANGLEIDKIT (IP30 sensor)

D4IP54UPGRADE (IP54 upgrade)

D4IP69KUPGRADE (IP69K upgrade)

**Communications protocols:**

OpenProtocol

.Net API

**Tag Compatibility:**

Any Ubisense Dimension4 tags



AngleID Reader

## OVERVIEW

Ubisense AngleID senses tags entering and exiting up to eight, precisely discriminated zones in real-time.

Using ultra-wideband active tags, it determines the angle between the tag and the reader to maintain a track on the tag and report when it crosses user-defined thresholds.

## KEY FEATURES

### Zone-based, real-time location

Configure up to eight different zones per reader with a simple point-and-click interface.

### Detection at 150ft

Accurately detect entry and exit of tagged assets from zones up to 150ft away.

### Works in metallic environments

Reliably track items in highly metallic environments.

### Simple integration

Choose either OpenProtocol or .NET API as your communications interface, then integrate into your automation systems or MES.

### Set up in less than 10 minutes

Simply mount the AngleID reader and plug into a Windows™ device, no training required.

### AngleID on an automotive production line



## ANGLEID USES

Ubisense AngleID has many benefits for industries such as manufacturing and logistics, with specific uses including:

### Wireless Tool Tether

Determine if a handheld tool is in being used in the correct workstation.

### Work Stage Verification

Check that a particular work step, such as a crane being attached and detached from a subassembly, has been completed.

### Traffic Light Activation

Determine when a vehicle has approached a traffic light zone.

### Takt Time Calculation

Know how long a product has been in station.

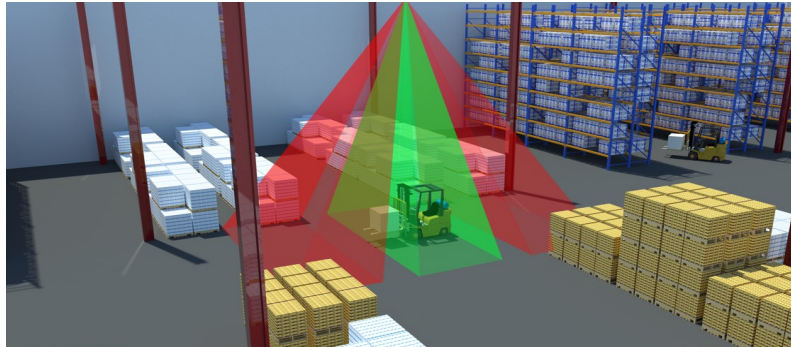
### Direction of movement through a doorway

Measure which way a forklift was travelling through a doorway or checkpoint.

### Tool and Worker Verification

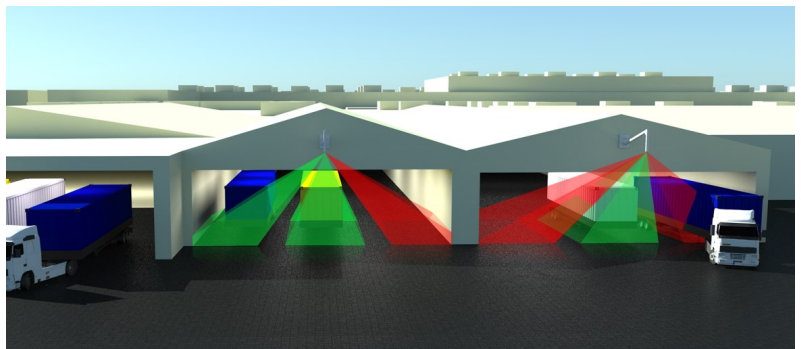
Record which tools and workers were working on a specific product.

## Forklift or AGV Tracking



By placing a reader at a junction you can determine in which direction a forklift or AGV is traveling.

## Dock door presence



Track at multiple dock doors with a single reader.

## POINT AND CLICK

A point-and-click user interface allows rapid configuration of zone recipes.

- Azimuth and elevation of a zone
- Strength of signal filter (RSSI)
- Reading dampening factor
- Communication protocol selection
- Timeout duration
- Multi-sensor coordination
- Data logging

