metraTec® IPS Ethernet Receiver

The metraTec Indoor Positioning System (IPS) offers a flexible infrastructure for locating persons and objects inside a building using wireless technology. Thanks to its modularity and the open protocol you can build very lean solutions with a minimum amount of hardware and without mandatory software licences. At the same time, it can be used to build complex solutions with a high degree of automation including a full RTLS middleware with standardized XML-interface. In every case, you only pay the hardware and software your application requires.

The IPS Receivers are mounted at the relevant points in the building and continuously scan the surrounding for signals from IPS beacons. Once they are in reach, the ID and strength of the signal is sent via Ethernet to a localization software (e.g. our IoT Engine). The distance between sender and receiver can be up to 50 m and can be configured via software.

The IPS Receivers are powered with 24V or via Power-over-Ethernet (PoE). On request, the device can be offered in an IP65 housing, suitable for outdoor use or in extremly rough environment.

IPS Receiver Indoor

Applications

• Localization of persons for emergency applications

• Tracking of devices / asset management

• Mobile wireless sensor networks (e.g. temperature measurement)

*IPS Receiver IP65
(Art.-No.: 2200 1451)*

Technical Specification

Operating Principle	2,4 GHz Wireless Receiver (IEEE 802.15.4)
Antenna	Onboard Chip Antenna
Dynamic Range	99 dB
Channels	Channel 11 - 26 supported
Interface	10/100 MBit Ethernet
Power Supply	24V DC or Power-over-Ethernet (48V DC)
Housing	ABS, UL94-V0
Dimensions	110 x 110 x 32 mm
Weigth	approx. 200g
Conformity	CE (EN 300 328, EN 300 440)

At a Glance

• Receives signal from IPS beacons

• Redirects data to server

• PoE Option for power supply

About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification", „Localization", "Communication" and „Wireless Power". It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.

Accessories:

• Mobile IPS beacon for objects

• Mobile IPS beacon for persons

• IPS USB Stick (Debugging)

Contact

metraTec GmbH

Niels-Bohr-Str. 5

39106 Magdeburg, Germany

Tel.: +49 (0)391 251906-00

Fax: +49 (0)391 251906-01

Email: sales@metratec.com

Web: www.metratec.com