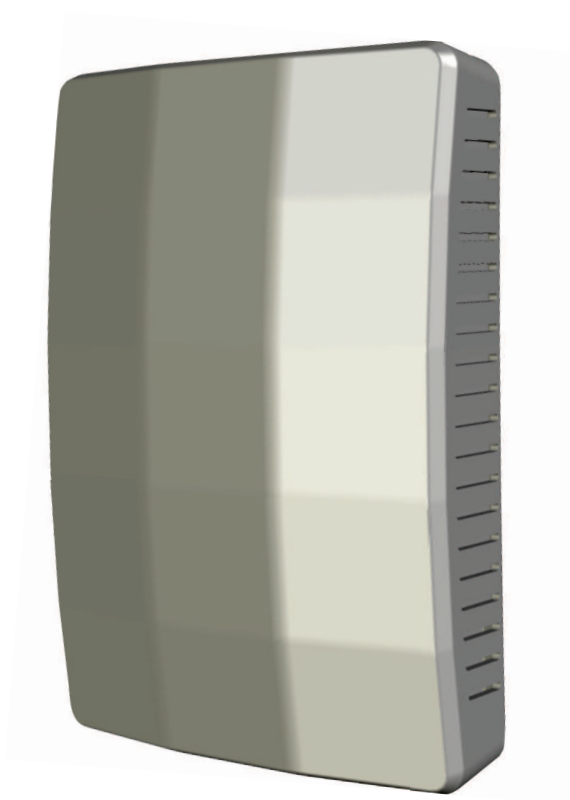


# Sensor FS8320

## Getting Started

The FS8320 is based on FastSensor's platform and is easy to use, deploy, and manage. The sensor gathers anonymous, non-personal radio frequency signals, and is intended to be used with FastSensor positioning and behavior analytics platform.



## Technical Specifications

### Power:

- PoE IEEE 802.3af
- AC/DC adapter 90 - 240VAC
- 12VDC 1A

### Connectivity:

- Ethernet PHY 10/100 Mbps

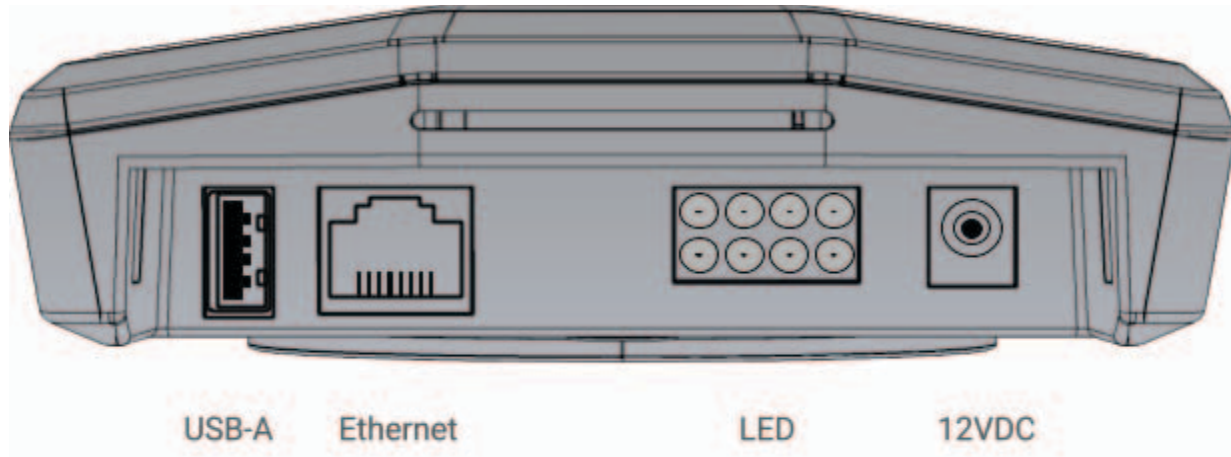
### Reading frequencies:

- 2412-2462MHz,  
5745-5825 MHz

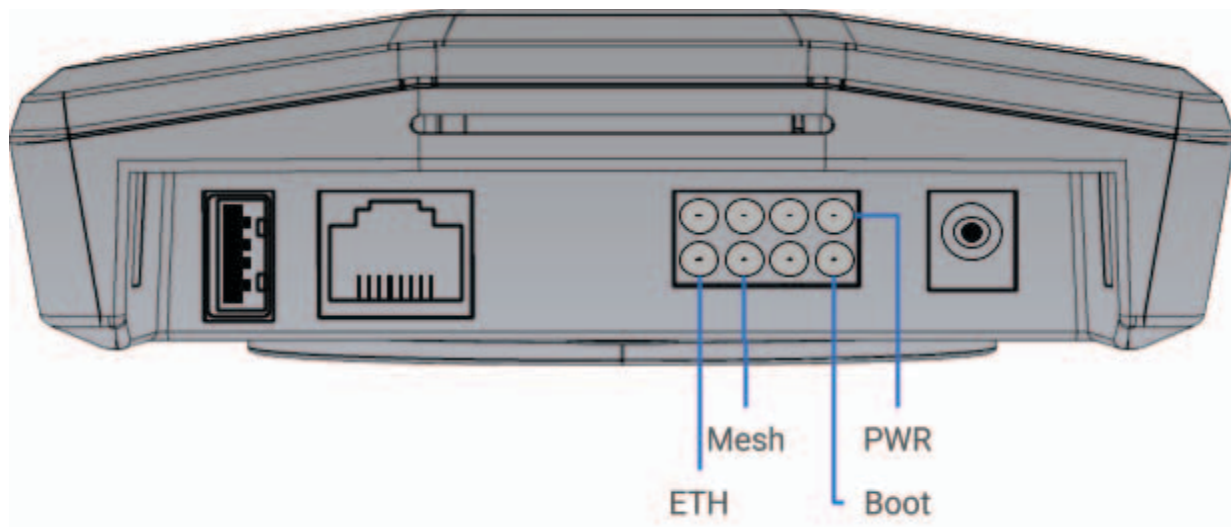
### Physical:

- Dimensions: 120 x 160 x 40 mm
- Weight: 225 grams
- Operating Temperature: 10 - 110°F

## Front Panel



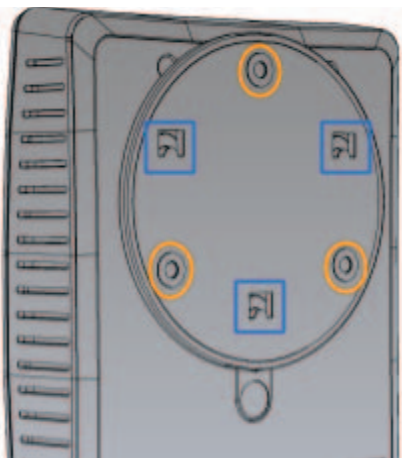
## LED Indications



## Installation

 Caution: The FS8320 sensor must be professionally installed.

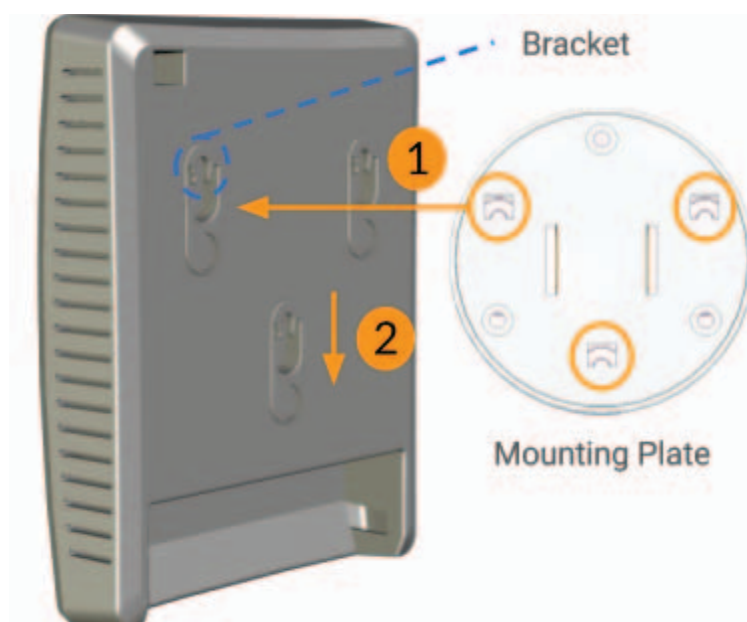
### Installing the Mounting Plate



The FS8320 is designed to be installed at a height between 9 and 2 feet from the floor. You shall use the supplied mounting plate to install the sensor.

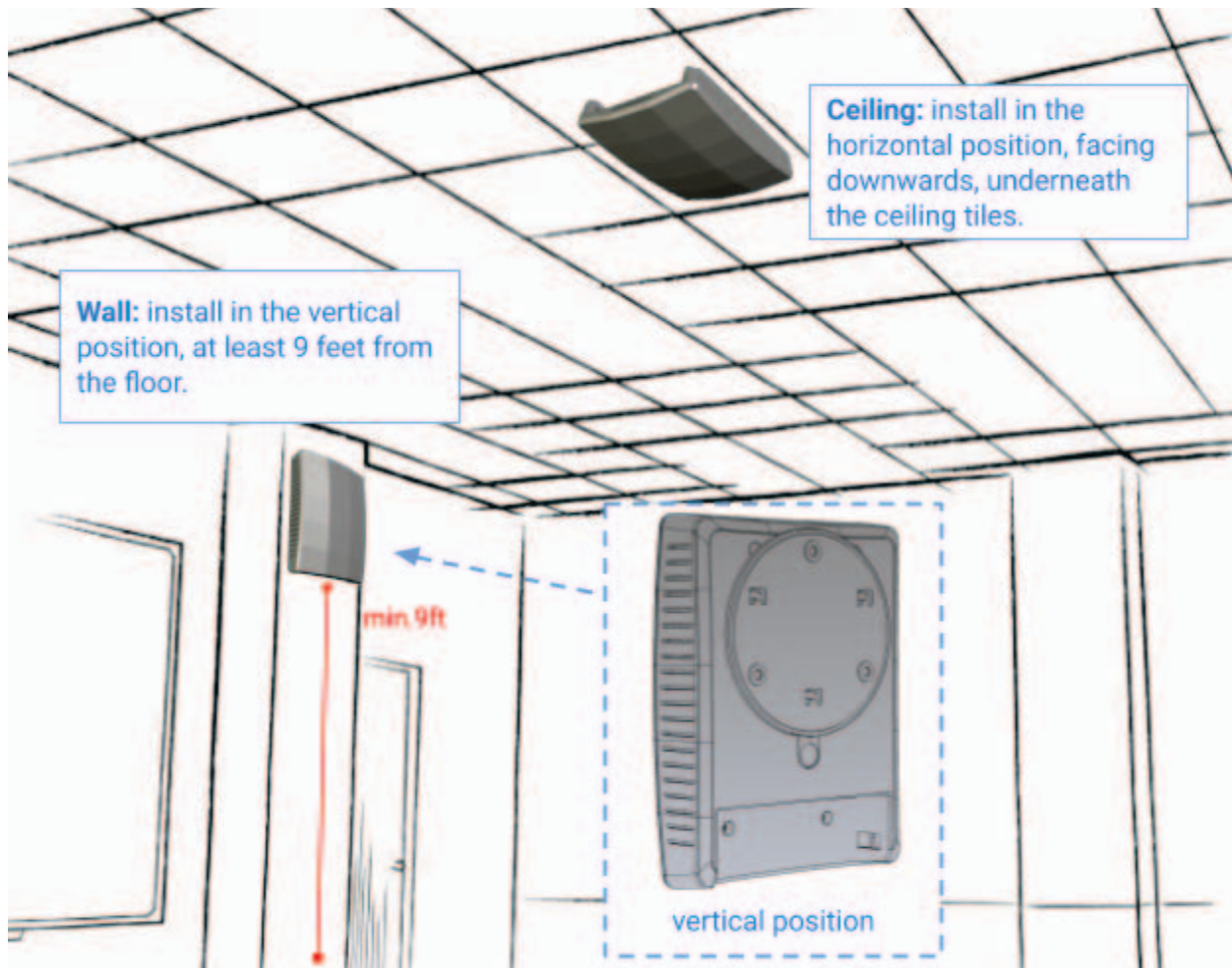
- Use three M4 screws on the holes indicated on the left to install the mounting plate on the ceiling, wall, or Dahua junction boxes.
- Note that the mounting pins outlined in blue shall be used to mount the sensor on the plate.

### Mounting the Sensor



After installing the mounting plate on the ceiling, wall, or Dahua box:

1. Position the three mounting pins in the clearance holes of the sensor as indicated in the drawing.
2. Force the sensor downwards to connect the pins into the brackets.
3. Gently, try to move the sensor to confirm all the pins are connected.



Installation quick check-list:

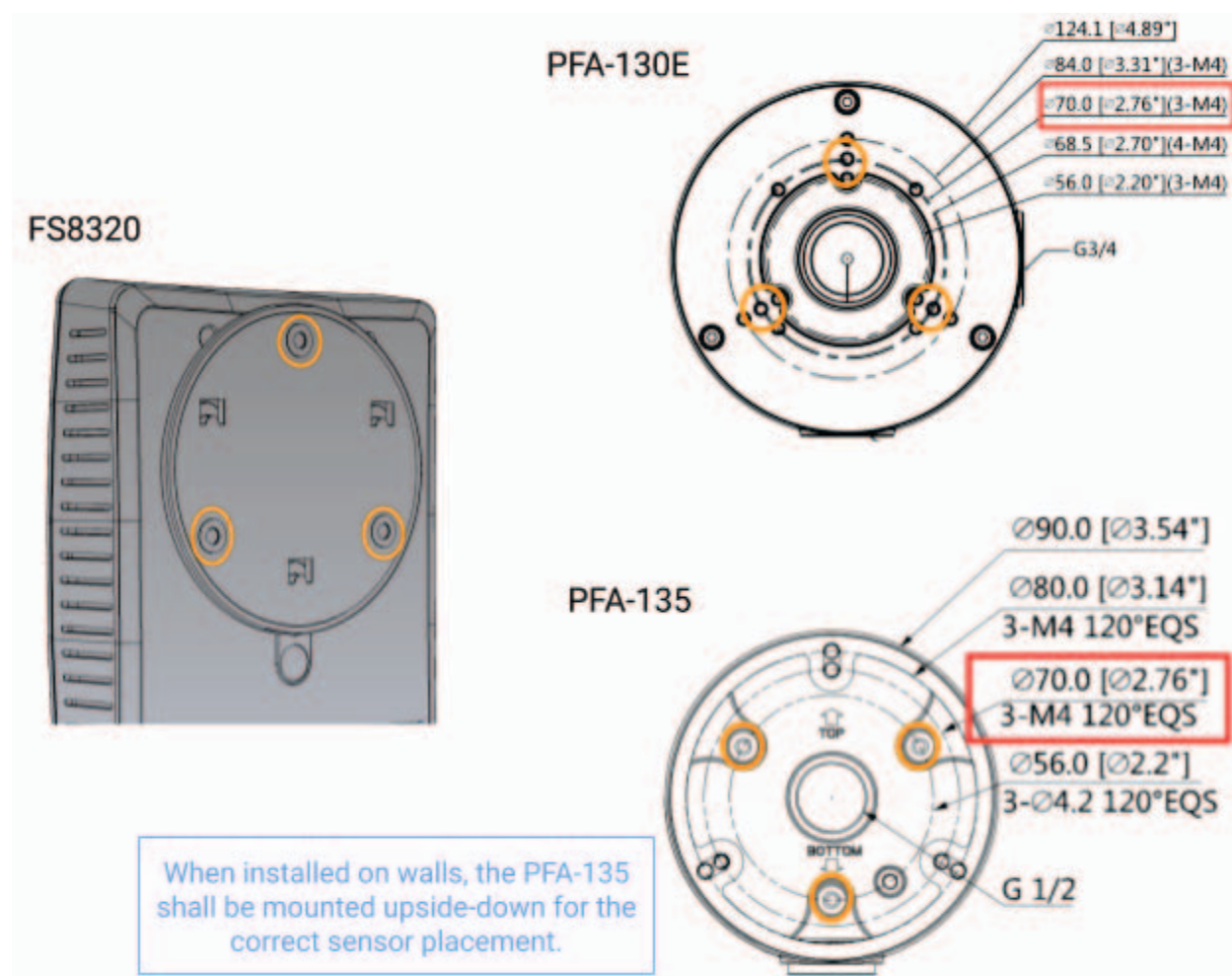
- Keep the sensors between 20 to 100ft (maximum) apart. Recommended 70ft.
- Install the sensors at a height between 9 to 20ft from the floor.
- Don't install the sensors inside enclosures or walls; or mount on large glass, metal, or moving surfaces; or above the ceiling tiles.

## Using Dahua Accessories and Junction Boxes

The FS8320 design is fully compatible with Dahua junction boxes models PFA-130E and PFA-135. You can use Dahua accessories to mount the sensors:

- Ceiling mount extender
- Pole mount bracket
- Mount adapter

Use M4 screws and follow the directions below to attach the FS8320 to the junction boxes.



## FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.