

Benefits:

- Improved store aesthetics, by having a store entrance free from obstacles
- Shrinkage reduction
- Minimization of false alarms with its beam steering technology
- Combination of loss-prevention and product identification in one system
- Provides data to detect which products suffer more theft attempts
- Very quick detection
- Continuous detection field
- One primary unit can be connected to a secondary unit, which reduces costs

Applications:

- Loss prevention at retail stores
- Loss prevention at warehouses

Product overview

ISS RFID Overhead-200 is an **overhead loss prevention system** based on RFID UHF that detects the tagged items that pass through an entrance, verifies if those items have been purchased, and triggers an acoustic and/or visual alarm if any item has not been purchased.

RFID Overhead-200 uses **multiple antenna beams** and **electronic beam steering** to detect which tags are static and which are moving, avoiding false alarms.

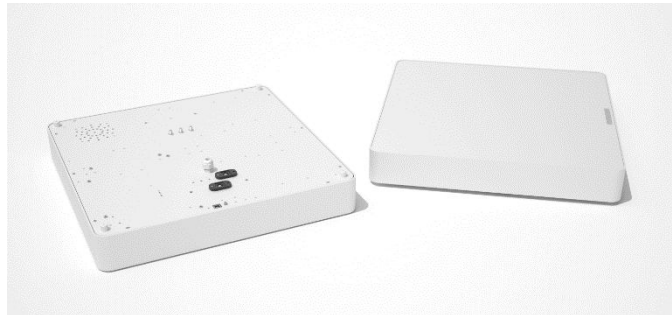
RFID Overhead-200 can use **four configurations** for checking if a tagged item has been paid:

- Checks the EAS bit of NXP chips
- Checks if the EPC code includes a pre-defined pattern that signals that the product has or not been paid
- Checks against the POS database if the product has been purchased
- Checks bulk theft: trigger an alarm if a certain number of tags are read in a certain time period (e.g. a few seconds).

RFID Overhead-200 uses **primary units** and **secondary units**:

- The primary unit has an integrated reader, antenna, controller, acoustic alarm and visual alarm.
- The slave unit comprises antenna and visual alarm.

One secondary unit can be connected up to one primary unit. This reduces costs for stores with wide entrances.



RFID Overhead-200 works with any hard and soft Gen2 RFID UHF tags.

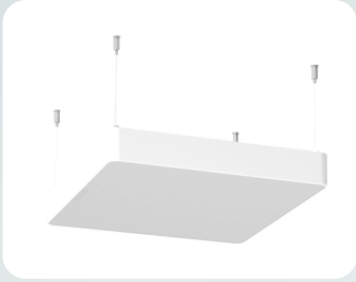
The tag chip and inlay chosen should provide a reading distance longer than the height at which AdvanSafe-200 will be installed in all tag orientations.

RFID Overhead-200 includes advanced processing techniques for minimizing false alarms.

RFID Overhead-200 can be ordered in 2 models:

- Suspended wires mount
- Ceiling mount

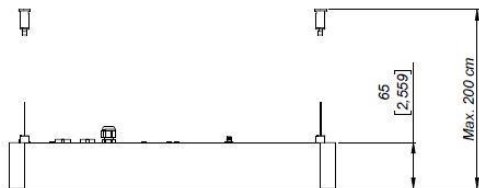
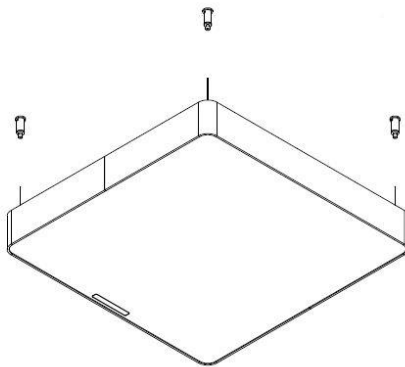
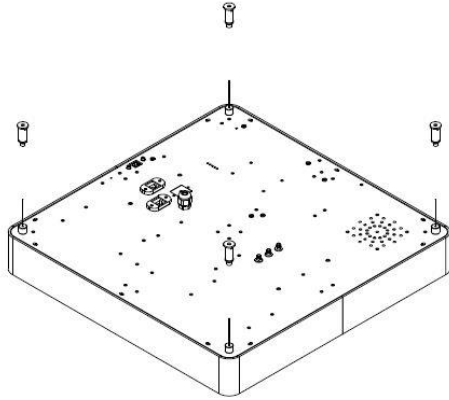
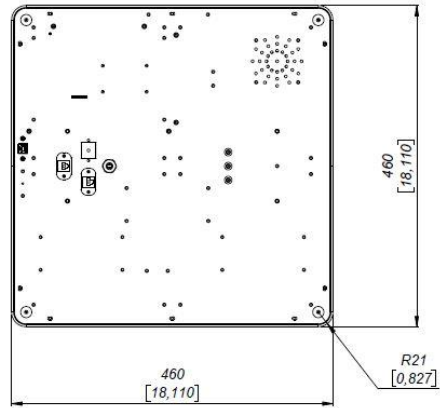
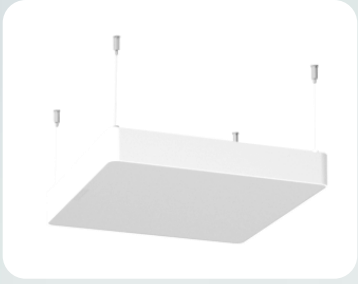




Specifications

Operating Frequency	FCC (902 - 928) MHz
Detection Height	8 - 10 ft (recommended)
	Maximum: 11.5 ft (Use maximum height with caution. Read distance depends highly on tag model and products being used)
Radiation pattern	Multiple beam
Beam width	90° / 40° (surrounding widths of all beams)
Polarization	Circular
Alarm Light	Light Emitting Diode (LED)
Alarm Audio	Signal Buzzer
Relay output	Dry contact output
	24 VDC / 0.5 A / Resistive load
Alarm function Preset	System gives audio and light alarm by detection of any of the EAS supported modes
Power supply	Power over Ethernet
Energy Consumption	< 14 W max., < 3 W idle
Reader Power	Maximum 31,5 dBm
	Recommended max. 30 dBm
Radiated power	2 W ERP, 3.2 W EIRP
Interface	Ethernet and USB
Temperature range	-68°F to +131°F
Dimensions	Suspension mount
	460 mm x 460 mm x 65 mm 18.1 inches x 18.1 inches x 2.6 inches
	Ceiling mount
Weight	460 mm x 460 mm x 110 mm 18.1 inches x 18.1 inches x 4.3 inches
	Primary unit: 11.6 lb Secondary unit: 10.2 lb
Material Housing	Aluminum and methacrylate
Color	Off white

Mechanical specifications of the model with suspended wires



[inches]