

# INVENGO TR-SA HF STACK ANTENNA



## About Invengo's TR-SA Robust HF Stack Antenna

Invengo's TR-SA Stack Antenna is a robust high-frequency (HF) RFID antenna designed specifically to identify and track stacked RFID-tagged items. Its precise multi-read capabilities and rugged package make it ideal for industrial environments where accuracy, efficiency and durability are required.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and NFC (HF) inlays, tags and connectivity solutions utilized in the Internet of Things (IoT). With a focus on RFID innovation, Invengo has created a leading product line in retail, library, (industrial) laundry, pharmaceutical, healthcare, (public) transportation and many other industries.

Invengo Technology Pte. Ltd. (SG) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID oriented companies in the world.

### Key Benefits

- Robust table-top antenna
- Large detection area
- Ideal to read items in stacks
- Delivered with removable ergonomic guides

## Product Specifications

### Electrical

<b>Operating Frequency</b>	13,56 Mhz
<b>Protocols Supported</b>	ISO15693, ISO 18000-3 Mode I, NXP ICODE I
<b>RF Input Power</b>	3W max
<b>Cable</b>	3,50 m (11.5 ft) built-in coaxial cable. Cable extension possible.
<b>Connector Type</b>	BNC
<b>Reader Compatibility</b>	Invengo Medio L40

### Mechanical

<b>Dimensions of internal antenna</b>	440 x 350 mm (17.3 x 13.8 in)
<b>Dimensions of packaged antenna</b>	650 x 440 x 18 mm (25.6 x 17.3 x 0.7 in)
<b>Weight</b>	1,5 kg (3.3 lbs)
<b>Casing</b>	Black polystyrene
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Other specifications</b>	Mounting kit with guides

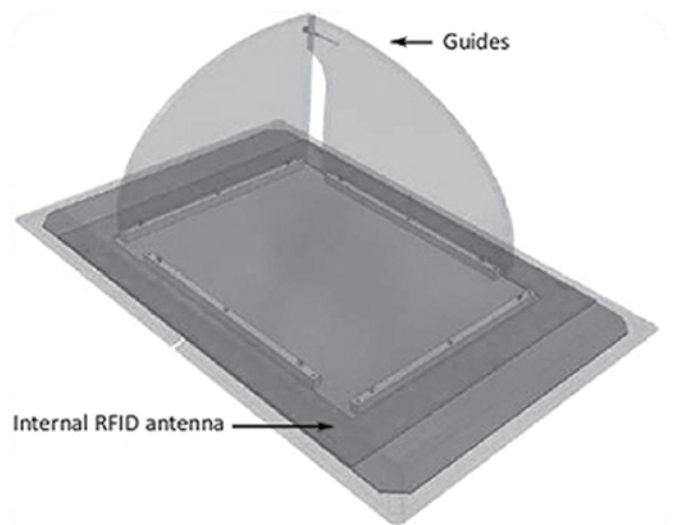
<b>Product reference</b>	DDP11102
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## Additional Information

Invengo's TR-SA Stack Antenna is easily mounted on laundry work tables. It offers a large detection area for all types of stacked RFID-tagged textile products such as garments, linens and mops.

The Stack Antenna features removable ergonomic guides to easily handle stacked items. Typically used with Invengo's Medio long range readers, it accurately reads up to 20 folded items, the equivalent of a 20 cm high stack (12 in). It is shipped with a cable and BNC connectors.

Thanks to Invengo's extensive cross-industry experience designing, manufacturing and integrating RFID infrastructure systems, we offer high quality, competitively priced antennas adapted to a variety of applications. Invengo's RFID antennas are available as OEM boards, PCB-based loops and light handheld inventory wands.



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