

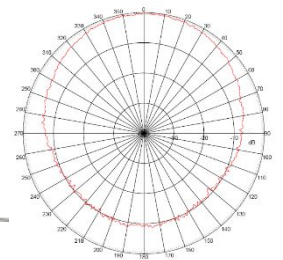


ADVANCED ANTENNAS FOR TRACKSTAR

An excellent general-purpose antenna for indoor/outdoor use!

HD 500 Antenna

The High Definition 500 antenna is a compact design offering a new level of analog signal processing for perfecting today's best of breed RAIN RFID readers. Its wide beam read zone and high-speed RF signal conversion allow fast and exact communication of RAIN, EPC-compliant, Gen 2, ISO 180006b passive tag data. HD 500 antennas are easy to flush mount on standard industrial wall stud construction. Standard mounting kits for ceilings, dock doors, elevators, and other areas create superior read zones for static and dynamically moving tagged items. Typical installations have spanned a wide range such as inside tractor trailers, cube vans, railroad tracks, utility laydown yards, steel mills, factories, warehouses, and hospitals – anywhere UHF RFID passive tagged items are present.



Radiation Plot - 915 MHz

Physical Characteristics

Casing	Aluminum with polycarbonate cover
Connector	N-Type, female
Single Port	Capable of 4 watts 100% duty cycle
Polarization, Frequency, & Impedance	Circular, 902-928 MHz, 50 W

Performance Characteristics

3 dB Beam Width	58 degrees
Frequency	All RAIN approved frequencies, including 860 – 960 MHz
Gain	6 dBi
Front to Back Isolation	36 dB
Voltage Standing Wave Ratio	1.25 or better
Environmental Protection & Shock	IP54, MIL-STD-810
Operating/Storage Temperature	-5 to 140 F/10 to +160 F (-20 to + 70 C)