

8-Element Direction Finding Antenna

80 – 4000 MHz

Product Code: DF-A0164

VERSION: 1.1

SPECIFICATIONS:

Electrical:	
Frequency range	Band 1: 80 – 500 MHz; Band 2: 500 – 1500 MHz; Band 3: 1500 – 4000 MHz
Bands	Band 1: 80 – 500 MHz; Band 2: 500 – 1500 MHz; Band 3: 1500 – 4000 MHz
Nominal input impedance	50 Ω
Antenna type	8-element DF interferometer
Polarisation	Vertical
Output cables	RG 400 cables (qty 24)
Connectors	TNC male
Mechanical:	
Cross-sectional wind load area	0.75 m ²
Maximum wind speed	150 km/h (without ice)
Antenna weight	85 kg
Assembled height	2.64 m
Assembled diameter (max)	3 m
Packaging length	1.550 m
Shipping container dimensions	1550 mm x 600 mm x 500 mm
Weight of 8-element DF including wooden container	160 kg



ELECTRICAL FEATURES:

- Full-size antenna array
- Wideband performance
- 8-element interferometer

MECHANICAL FEATURES:

- Robust construction
- Waterproof
- Quick assembly

PRODUCT DESCRIPTION:

The DF-A0164 wideband direction finding antenna covers a frequency range of 80 MHz to 4 GHz. Shipped in a compact storage and transport box, the antenna can be assembled by one person in 30 minutes, without special tools.

The full-size elements on all bands give excellent sensitivity to incoming waves and impulses. Ultimate angular resolution for strong signals is well under 1° for most of the frequency range. Dipole elements provide good cross-polarisation rejection, and fair performance for signals arriving from up to 15° above or below the horizon.

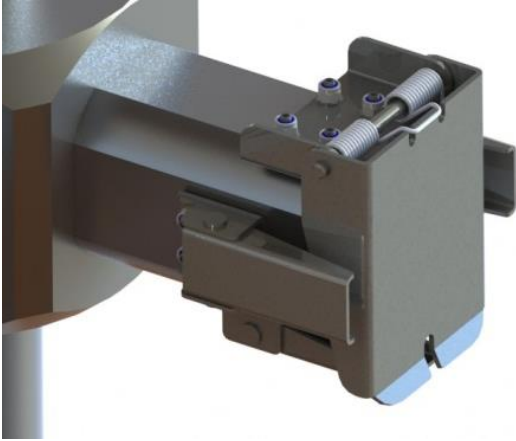
The antenna is suitable to be used for passive radar applications.

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Example of an integrated dust cap



Example of packaging