

Ag UHF: Intelligent DTT long-range Antenna ready for DVB-T2 and UHD

Intelligent antennas that evolve with television

A9 is a long-range intelligent antenna developed to meet the current challenges of DTT reception in the **UHF band up to channel 48 (LTE700) in extreme reception conditions**, specially **optimised for DVB-T2 broadcasts and UHD content**.

This antenna **enhances coverage by up to 35%** compared to conventional compact antennas, thanks to its high directivity and strong signal reception, offering a long-range solution for areas with poor reception and those far from the transmitter.

Thanks to its **BOSS technology** (*Balanced Output Signal System*) with an integrated **TForce® chip**, this antenna guarantees very stable, robust and reliable reception even in the most challenging environments. **Amplification directly at the dipole** minimises noise and preserves signal quality right from the point of reception, a key advantage for DVB-T2 broadcasts, whose high symbol density modulation (COFDM up to 256-QAM) requires signals with a better MER (*Modulation Error Rate*).

BOSS technology also **automatically adjusts the gain in real time**, always maintaining the optimal balance between signal quality and strength, regardless of reception conditions. The result is a signal with the best possible output level, both in

areas with poor coverage and in areas with high signal levels or affected by LTE interference (4G/5G).

Made entirely from **100% stainless steel and durable ABS plastic** with UV and corrosion protection, this antenna ensures maximum durability and mechanical stability in all weather conditions.

It also includes an **auxiliary support that facilitates its assembly and fixing** to the mast, greatly improving the safety and ease of installation of large antennas.

Ref.	140901
Logical ref.	A9
EAN13	8424450334324

Other features

Colour	Orange
Supply method	Single packing

Packaging info

Box	1 pcs.
Box	1 pcs.

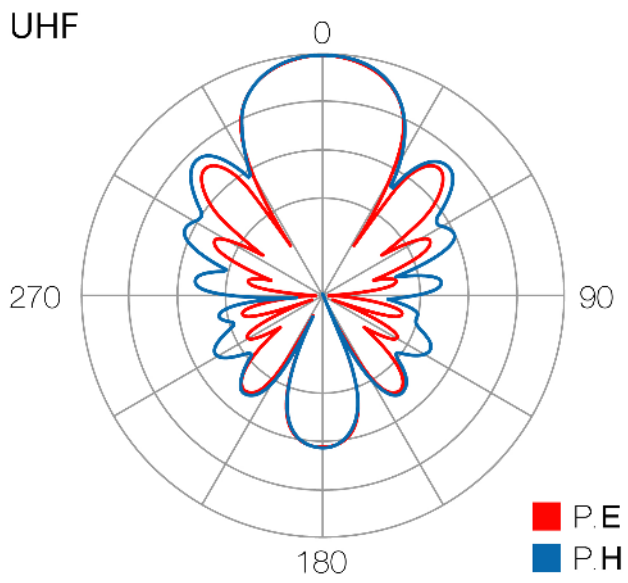
Physical data

Net weight	3,459.00 g
Gross volume	62.00 dm ³
Gross weight	4,384.00 g
Width	897.00 mm
Height	1,843.00 mm
Depth	554.00 mm
Main product weight	3,459.00 g

Highlights

- **Coverage area enhanced by up to 35%:** improved reception range compared to conventional models, making it easier to receive signals in areas far from the transmitter
- **Real-time adaptive reception:** the only intelligent antenna that maintains TV service by adjusting its performance according to conditions (adverse weather, fading or any changes in the environment)
- **Optimal output level at any time:** our patented BOSSTech system automatically adjusts the antenna's gain to maintain the optimal output signal
- **Minimal noise for optimal C/N ratio:** the integrated TForce® chip amplifies the signal at the point closest to reception, where the signal retains its maximum quality
- **High dynamic range:** reception across a wide range of conditions, picking up very weak signals and preventing saturation at high reception levels
- **RED compliant:** incorporates a high-selectivity SAW filter (Surface Acoustic Wave) that eliminates interference whilst respecting the last channel in the TV band
- **Protection against 4G/5G:** rejects current and future mobile phone signals, so they do not interfere with the television signal
- **Aerodynamic design that optimises signal reception:** the combination of semi-curved reflectors repositioned relative to the antenna axis, and three booms arranged in planes parallel to one another and perpendicular to the 'U'-shaped dipole, improves the frequency response
- **Corrosion-resistant construction:** made from aluminium, with stainless steel screws and ZAMAK fixing elements treated with an anti-corrosion coating to ensure decades of durability
- **Built to last:** made of fibreglass and UV-pigment-reinforced ABS plastics to guarantee thermal stability and prevent degradation
- **Specific mounting system for large antennas:** its mechanical design reduces the complexity of assembly and improves handling, speeding up the installation of an antenna of this size
- **Assisted installation with extra safety:** includes an auxiliary support that stabilises the antenna whilst it is being secured to the mast, offering greater safety and convenience
- **100% Televés philosophy:** designed, developed and manufactured entirely in our robotised facilities, guaranteeing product quality through specific manufacturing controls and tests

Graphic documentation



Radiation pattern

Technical specifications : Ref. 140901

Bands		UHF
Frequency range	MHz	470 ... 694
Channels		24 ... 48
BOSS mode		ON
Gain	dBi	44
Output level		Auto* ¹
Powering		12 ... 24
Max. current	mA	40
Beamwidth	°	25
F/B ratio	dB	> 25
Wind load (@80miles/h)	N	149.76
Wind load (@93miles/h)	N	205.92
Mast diameter	in	0.787 ... 1.969

*¹ The gain is automatically adjusted according to the level of output