

Item no.: 390031

## DATVUTFORCE2 - VHFUHF antenna 700 MHz passive active only with add. NT24F

from **128,03 EUR**

Item no.: 390031  
 shipping weight: 2.70 kg  
 Manufacturer: Televés



### Product Description

If a signal is not received with the DAT BOSS, it cannot be received. An intelligent combination antenna with BOSS Tech for excellent UHF/VHF reception and optimised LTE protection from 694 MHz (channel 48). The combination antenna consists of 3 elements (dipole and two reflectors) and is optimised for very good VHF reception in addition to UHF reception. Highlights- High dynamic range: for receiving digital terrestrial television in areas with difficult reception conditions - either very weak or too strong reception signals- Extended DVB-T/T2 range: up to 27% more than older models- Stable reception: Signal fluctuations or "fading" no longer have any effect on TV reception- Very good C/N values: thanks to a noise figure of just 1.2dB- High gain: the TForce technology provides up to 13dB higher gain for the DATBOSS antenna, which can reach up to 45dBi in active mode. Features- The DAT design, which is based on 3 Yagi antennas with asymmetrical directional antennas, offers high directivity and an optimised radiation pattern- Special dipole with double "U": the front-to-back ratio provides a very flat frequency response- Fully shielded connection box that protects the BOSS system from noise and is earthed to provide protection against electric shock- Made of (stainless) aluminium - for a long service life- Fully automated production subject to strict quality controls- Operating options in active (intelligent) or passive mode (without power supply). Good to know TForce technology: When it comes to the development and design of electronic components, Televés has entered a new era in which it is possible to develop integrated circuits (IC) that operate in the microwave frequency range. TForce is based on the production of gallium arsenide (GaAs) semiconductor compounds, which give the products new and innovative functions. Televés has redeveloped its antenna concept. Until now, an antenna was just the signal receiver in a TV system, whose most important feature was amplification and directivity. The integration of an intelligent component such as BOSS into the antenna technology ensures that very weak signals can be received without being disturbed by very strong signals and that signal fluctuations no longer have any effect on the output signal: The dynamic range is therefore one of the most important quality parameters. The development of the DATBOSS antenna with TForce technology based on the use of MMIC components is a milestone in the optimisation of the dynamic range. A technology used in space travel to recover weak signals from lost spacecraft is now also available for terrestrial antennas and enables the range to be extended in DVB-T/T2 installations. Frequency band III UHF Frequency range MHz 174 ... 230 470 ... 694 Channels 5 ... 12 21 ... 48 BOSS mode ON OFF ON OFF Gain dBi 36.5 8.5 41 16 Output voltage Auto\*1 -- Auto\*2 -- Noise level 1.2 -- 1.2 -- Input level < 75 > 75 < 75 > 75 Power supply Vdc 12 ... 24 0 12 ... 24 0 Max. Current consumption 40 -- 40 -- Opening angle ° 30 30 Front-to-back ratio dB > 15 > 20 Wind load (@130Km/h) N 120 Wind load (@150Km/h) N 165 \*1 The gain changes automatically with the output level \*2 The gain changes automatically with the output level

### Specifications

Scan this QR code to view the product  
 All details, up-to-date prices and availability

