

Item no.: 390039

ELLIPSEVU - VHF (passive) UHF - Antenna passive active with power supply unit (PSU122PICO)

from **131,95 EUR**

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shipping weight: 2.20 kg
Manufacturer: Televes



Product Description

Ellipse is an intelligent antenna that adapts automatically and in real time to the conditions under which signals are received. It was developed to ensure stable and high-quality reception of DVB-T (UHF/VHF) signals and to optimise the suppression of the LTE band (up to channel 48) using a SAW filter with high selectivity. The new concept in terrestrial antennas suppresses all interference signals, even at the limits of the TV frequency band. The innovative design with a 100% stainless steel mechanical connection box protects the new generation of TForce electronics with its revolutionary SAW filter. Supports RED. Includes power supply: the intelligence is activated as soon as the antenna is supplied with power. Highlights - The ideal antenna for DVB-T2 reception: it receives the signal in a wide variety of locations, regardless of whether the signal is strong or weak - The antenna adapts to constantly changing signal reception conditions: it constantly checks the signal and automatically adjusts the gain to always deliver the best possible output level - VHF and UHF frequency ranges can be controlled independently: separate control of the reception ranges minimises large signal level differences between the two bands - Suppresses all interference signals, even in the border area of the TV frequency band: Thanks to the SAW (Surface Acoustic Wave) filter, which has a high selectivity, interference signals, mainly caused by LTE/5G/4G mobile phones, are filtered out - The mechanics are completely corrosion-resistant: Aluminium and fibreglass structure, stainless steel screws and galvanised clamp with a stainless steel core - Innovative aerodynamic design: unsurpassed aesthetics show a precise design and a passion for detail - The curves improve reception: the concave surface created by the reflectors focuses the signal on the dipole. The convex outer surface maximises the shielding and suppression of interfering signals - Installation process: Quick installation in less than 1 minute and no tools required - A robust and durable mounting system Features - Extremely lightweight and compact: This makes this antenna easier to install in difficult locations and offers low wind resistance - The widest possible dynamic range: This enables reception of a quality signal in a wide variety of situations. Very weak signals are recognised and overloading at high reception levels is prevented - Achieves an optimum C/N: The signal quality always remains constant thanks to the very low noise figure - Optimum gain: Automatically delivers the ideal output level - 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 grounded to provide protection from electric shock - Low power consumption in active mode - Made in Europe: Manufactured on a fully automated production and testing line that ensures the - highest level of performance Good to know TForce technology: When it comes to the development and design of electronic components, Televes 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 manufacture of gallium arsenide (GaAs) semiconductor compounds, which give the products new and innovative functions. Televes 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 extension of the range in DVB-T/T2 installations.

Specifications

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All details, up-to-date
prices and availability

