



Televes reserves the right to modify the product

DINOVA BOSS MIX antenna

Building fronts, balconies and single-family homes

Radome enclosed low visual impact antenna, specifically designed for locations where aesthetics play an important role. Ideal for building fronts, historic buildings, protected areas and even single-family homes (balconies). It is a 7-element Yagi directional antenna, manufactured using Microstrip technology for UHF and High VHF printed dipole and telescopic rods.

Improved High VHF response: Under difficult reception conditions, High VHF reception can be improved by extending the telescopic antennas.

The BOSS Tech system automatically controls the level of the received signal (either very high or very low) to always provide optimal output level. The new design using TForce technology makes this intelligent device even more versatile.

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Provided with a full installation kit consisting of:

- 12V Power supply unit (Ref. 550104)
- Clamp and "U" bolt for mast installation
- Weatherproof cap
- Screws with assembly wrench for mast mounting

Ref.144282

Art.Nr

EAN13

8424450197998

Highlights

- High dynamic range: It allows high-quality TV reception in a wide variety of critical situations, from areas where signals are very weak to installations with high reception levels
- DTT coverage area enhancement
- Very high gain
- A more stable reception: supports signal variations or fading without any impact on the TV installation

Main features

- Corrosion Resistant:
 - Clamp support made of Zamak, ensuring superior stability and outdoor elemental resistance
 - Reacting Coating Process (RCP) anti-corrosion treatment on the clamp, provides resilient mounting
 - Highly resistant radome protects against salinity, humidity and other adverse weather conditions (IP 53)
- Low power consumption in intelligent mode
- Two operation modes:
 - In intelligent mode (with antenna feeding), BOSS provides automatic control to correct signal fluctuations and maintain optimal output signal level
 - In passive mode (without power supply), the signal goes through
- Mounting options for both horizontal and vertical polarizations
- Easy mounting.

Discover

NOVA Series:

A special antenna series to be installed in restrictive locations.

- Known for their pleasing low-impact visual design and ideal for installations where good aesthetics are key.
- Intelligent antennas include our BOSS system to provide the best output level for a exceptional reception quality.
- LTE ready: they integrate an LTE electronic filter to remove cell phone interference
- Built with materials that are highly resistant to salt air , humidity and other adverse climatic elements, with a protection index of 53.
- Low power consumption and easy mounting. Furthermore, they can be purchased as full kits including all the accessories required for their installation.
- Manufactured in Europe, our products undergo the most stringent quality controls, providing high reliability.

TForce technology:

Televes transitions from the traditional silicon era into a new era of electronic component design, allowing integrated circuits to be precisely manufactured for microwave frequency bands. Utilizing "State of the Art" MMIC technology TForce is manufactured using semiconductor compounds such as gallium arsenide (GaAs), providing the resulting products with unparalleled features and performance

Televes has reinvented the antenna concept. Until now, an antenna was just the reception component of a TV installation in which gain and directivity were the main features. The introduction of a smart device like BOSS provides the antenna with the capacity to receive very weak signals without the risk of being affected by very strong signals, the result is a dynamic balance between weak and strong signals that provides optimum signal levels at all times: the "dynamic range" concept turns out to be the most outstanding among quality parameters.

The creation of TForce with BOSS technology using MMIC components is an extraordinary milestone in the optimization of the dynamic range. The technology that allowed the reception of lost signals from distant satellites is now allowing the enhancement of the coverage range in DTT installations.

Technical specifications

Working band	MHz	174 - 230		470 - 694	
Channels		7-13		14-51	
BOSS Mode		OFF	ON	OFF	ON
Maximum gain	dBi	-1	24*	4-7	34*
Output level	dBmV	----	Auto*	----	Auto*
Noise figure	dB	----	3	----	2,5
Supply voltage	V	0	12-24	0	12-24
Maximum current	mA	----	45	----	45
Protection index	IP	53			
Wind load	N	70 (@ 80 miles/h) 96 (@ 93 miles/h)			
Weight	lb	3.6			
Dimensions	in	16.2 x 12.9 x 2.8 (telescopic antennas retracted)			
		16.2 x 31.3 x 2.8 (telescopic antennas extended)			

*Gain varies automatically based on the output level.