



Televes reserves the right to modify the product

DINOVA BOSS MIX antenna

Building fronts, balconies and single-family homes

The Dinova BOSS is an state of the art suburban range over the air TV antenna that automatically adapts its gain in real time to optimize the reception of television signals, ensuring the optimum level of signal is delivered at all times. The antenna is able to receive distant stations while at the same time avoiding overload caused by very strong nearby stations.

Dinova BOSS is a mid range directional antenna designed to offer stable and high quality reception of UHF and high VHF signals (RF channels 7-36) in suburban receiving scenarios despite continuous changes in weather and transmitting conditions thanks to its exclusive and intelligent built-in TForce amplifier. 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 single-family homes (balconies). No additional preamplifier purchase is required as the antenna includes a best-in-class low-noise TForce preamplifier built in with automatic gain control, plus FM and cellphone signal filtering adapting to any installation situation.

A low-consumption UL-listed power supply is included providing two outputs for convenient distribution to additional TV sets. Not only do industry experts rave about the Dinova BOSS exceptional suburban performance but also the unparalleled manufacturing quality using only the finest materials (aluminum, stainless steel, ABS plastic) ensuring years of trouble free operation in the most challenging environments. The Dinova BOSS ships as a compact package including a mount and the tools needed for assembly.

Ref.144282

Art.Nr

EAN13

8424450197998

Highlights

- Elegant cutting edge radomized design built strong to withstand the harshest elements
- Crystal clear TV reception enabled by T-Force proprietary self-adjusting preamplifier
- FM and LTE filtering eliminates radio and cellular phone interference
- Self contained compact design requires no assembly. Mount and tools are included. Ideal for installs where a discrete and small antenna is preferred (16.2 x 13 x 4.1 in)
- Unlike most other antennas the preamplifier, power supply and LTE filter are included making Dinova BOSS your best value
- Built-in TForce preamplifier continuously analyzes TV signals received by the antenna to provide the optimum gain and delivered signal level at all times. Based on proprietary MMIC technology exclusive to Televes offering unparalleled performance
- In the event of power failure, the Dinova BOSS will continue to work in passive mode, bypassing the built-in antenna electronics. The antenna can work in active (power on) or passive (power off) modes
- Collapsible elements can be extended to improve High VHF reception (RF channels 7-13) when needed

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:

Televés 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

Televés 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

Bands				BIII	UHF	
Frequency range	MHz		174 ... 216	470 ... 698		
Channels			7 ... 13	14 ... 51		
BOSS mode			<input type="checkbox"/> ON <input type="checkbox"/> OFF		<input type="checkbox"/> ON <input type="checkbox"/> OFF	
Gain	dBi		24	-1	34	4 ... 7
Output level			Auto* ¹	--	Auto* ²	--
Noise figure			3	--	2.5	--
Powering	Vdc		12 ... 24	0	12 ... 24	0
Max. current			45	--	45	--
Protection index			53			
Wind load (@130Km/h)	N		70			
Wind load (@150Km/h)	N		96			

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

*² The gain is automatically adjusted according to the level of output