

DINOVA BOSS antenna (LTE700, 2nd Digital Dividend) 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.

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.

RED compliant

Ref.	144021
Logical ref.	DINOVATF2
EAN13	8424450190722

Other features	
Colour	White
Power Supply Unit	Not included
Supply method	Single packing

Packaging info	
Box	1 pcs.

Physical data	
Net weight	820.00 g
Gross volume	9.65 dm³
Gross weight	820.00 g
Width	345.80 mm
Height	318.00 mm
Depth	77.00 mm

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
- Mounting options for both horizontal and vertical polarizations
- LTE-Ready: equipped with LTE filters to avoid mobile phone signals caused by the use of 5G/4G devices in the environment
- 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
- Protected against corrosion:
    - Clamp support reinforced with glass fiber: does not rust, reduces antenna weight and improves material outdoor performance
    - The clamp has a Reacting Coating Process (RCP) based on an anti-corrosion treatment, and provides a robust mounting
    - The radome is highly resistant to salinity, humidity and other adverse weather conditions (IP 53)
- Low power consumption in intelligent mode
- Easy mounting. Furthermore, they can be bought as a kit, including all the accessories required for installation

Discover

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.

FIBERGLASS REINFORCED: HOW DOES GLASS FIBRE IMPROVE OUR PRODUCTS?

Plastics reinforced with glass fibre last longer, are anti-magnetic, and provide excellent electric insulation. Here are the

main reasons why glass fibre improves our antennas:

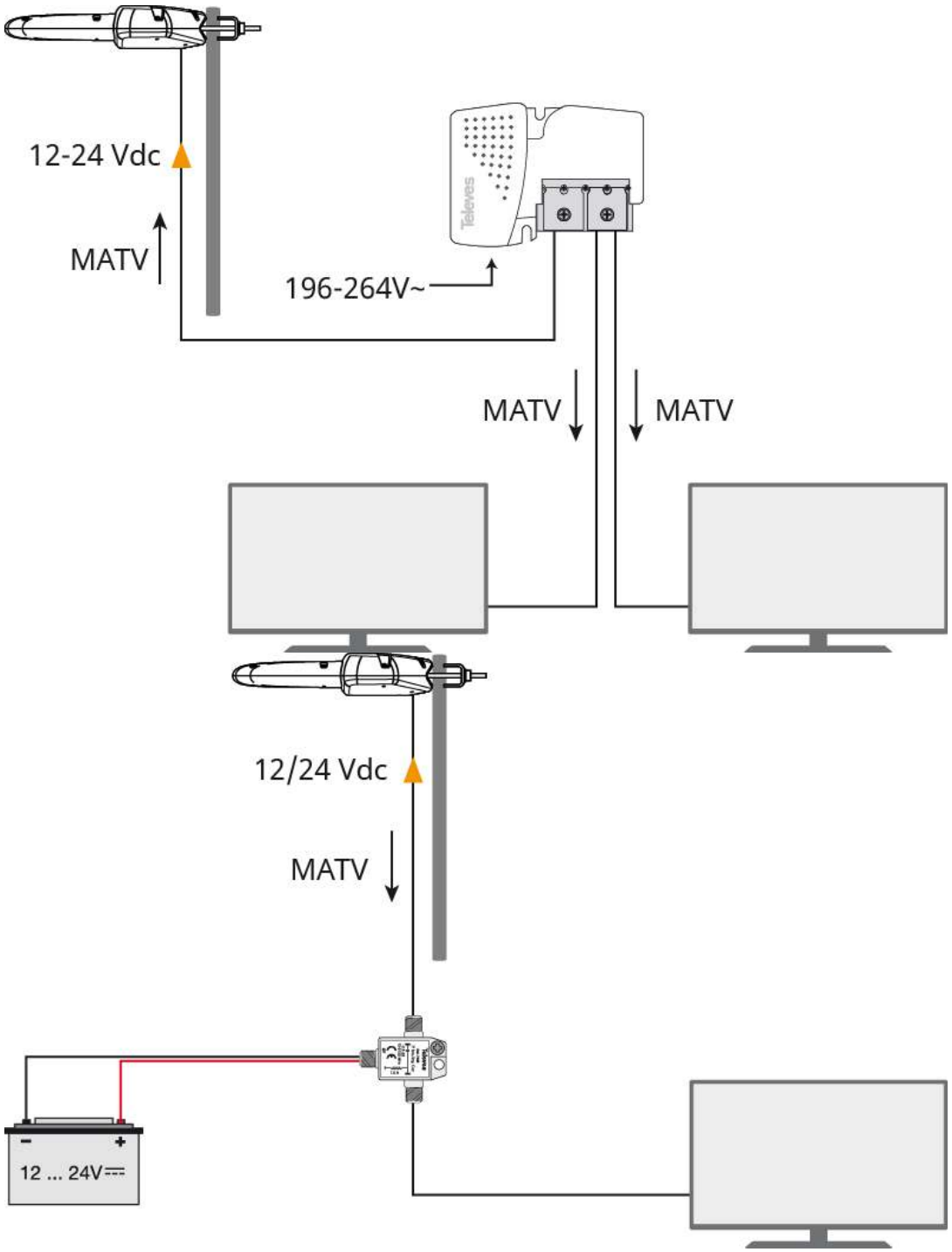
- Immunity to corrosion
- Lightweight, which makes mounting easier
- Flexibility, which improves material performance under adverse weather conditions

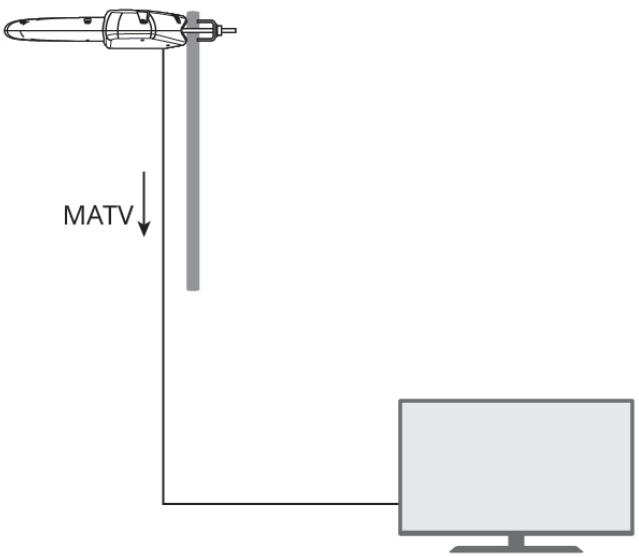
NOVA Series:

A special antenna series to be installed in restrictive locations.

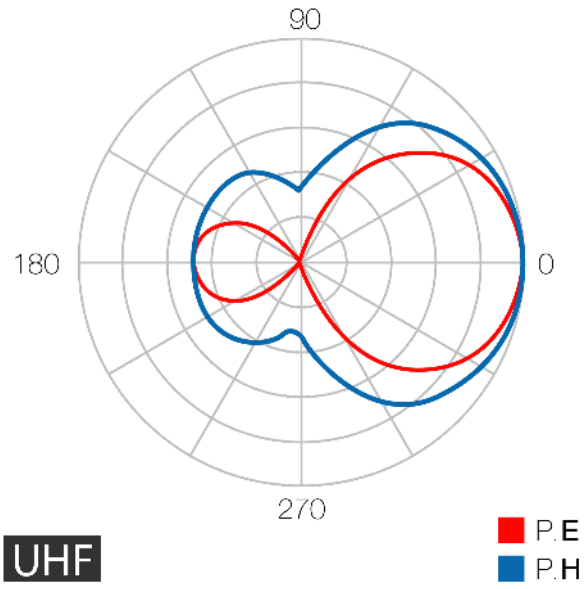
- Known for their pleasing low-impact visual design and ideal for installations where good aesthetics are key.
- Intelligent antennas include our BOSS system to provide the best output level for a exceptional reception quality.
- LTE ready: they integrate an LTE electronic filter to remove cell phone 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.

Application example


12-24 Vdc
MATV
196-264V~
MATV
MATV
12/24 Vdc
MATV
12 ... 24V



Graphic documentation



Radiation pattern

Technical specifications : Ref. 144021

Bands		UHF	
Frequency range	MHz	470 ... 694	
Channels		21 ... 48	
BOSS mode		ON	OFF
Gain	dBi	34	4 ... 7
Output level		Auto*[1]	--
Noise figure		2.5	--
Powering	Vdc	12 ... 24	0
Max. current		45	--
Protection index (IP)		53	
Wind load (@80miles/h)	N	70	
Wind load (@93miles/h)	N	96	
Mast diameter	in	0.787 ... 1.969	

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