



Televes[®]

NEW PRODUCT 2016



Televes expresses that this document is just for information purposes and does not accept any responsibility that could be originated from possible errors or omissions regarding its content.

The product pictures included are not contractual and Televes could supply products as shown or these could suffer variations, modifications and/or alterations at any time and without notice.



NEWPRODUCT 2016

Televés continues his commitment with the development and manufacturing of elements for the reception and distribution of multimedia signals.

For satellite distribution signals, **Televés completes his successful TOX product range with** the encoders HDMI-RF and HDMI-IP (input up to 1080p/60) and also IP-DVBT/QAM, which are a suitable complement for the **GPON** multimedia distribution product range. Also, in this range, Televés introduces the redundant power supply and the YEDFA 8 ports optical amplifier.

Following up satellite signal distribution in coaxial networks, the **NEVO** range adds two new items, both embedding the SCR standard, for 2 and 4 outputs. The **SCR or Unicable standard** opens up a set of possibilities for the introduction of domestic satellite gateways, which add the advantages of content management the distribution to multiple connected devices in the home.

In addition, Germany firmly commits to **High Definition**. To this purpose she will use, along with DVB-T2, the HEVC H.265 encoding, which will allow the DTT to add more HD channels to its line-up. At the same time, the number of services will increase while the broadcasting costs will lower. And which is more important, the joint use of HEVC and DVB-T2 opens a door to the future broadcasting of commercial UHD over DTT, which would pioneer in the world.

With Free To Air and encrypted services alike, DVB-T2 and HEVC is a firm commitment of Germany to the DTT, yet to calibrate the market response. Additionally, if the contents are attractive to the end user, the penetration gap between satellite, cable and DTT may be reduced and enable a new kick-off of the DTT in other countries, due to the technological anchor capability Germany has in Central Europe.

For DTT reception and distribution, and thanks to his knowledge and experience, Televés provides to the market the maximum quality in products, from the reception to the amplification, distribution and quality measurement.

As a result of this, **Televés reinvents his market successful BOSSTech**, enabling the best signal reception in no matter which situation, whatever its difficulty may be. The new **DAT BOSS TForce** enlarges dramatically the antenna dynamic range, assuring the signal quality whatever reception scenario.

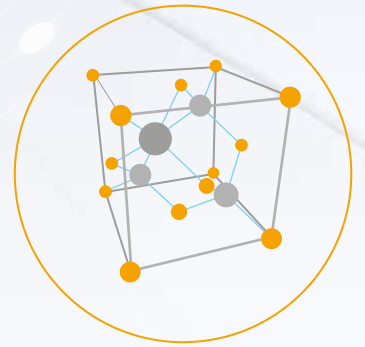
Regardless the available DTT signal be high or low, it is threatened with interferences, present or future, the signal given off to the end user is always optimum and Televés restores to the antenna of the paramount importance it always must have.

More information of all these issues in Televés booth ■





MMIC



TForce is the technology used exclusively by Televes for the design, manufacture and assembly of its own **MMIC COMPONENTS**, a type of integrated circuit device that operates at microwave frequencies (300 MHz to 300 GHz).

Manufacturing MMIC circuits is done by altering chemical reactions with semiconductor composites such as Gallium Arsenide (GaAs), which offers certain benefits due to its capacity to work at high frequencies and its extreme resilience to interference.

MMIC makes it possible to integrate active devices, transmission lines and passive elements in a single substratum, building powerful circuits so small that special microscope lenses are required to operate with them.

31	33
GA	AS
69.723	74.921

GALLIUM-ARSENIDE
[GAAs]

DATBOSS

WHEN YOU THOUGHT NOTHING COULD IMPROVE BOSSTECH FOR A PERFECTLY BALANCED DTT OUTPUT SIGNAL, **TELEVES INTRODUCES DAT BOSS TForce**

The same Gallium Arsenide (GaAs) technology utilized in aeronautics to recover signals from lost spacecraft is now incorporated into Televes DAT BOSS TForce antenna

The largest signal dynamic margin for a DTT antenna in the world

27% increased coverage range



*If **DATBOSS TForce**
can not detect it,
it can not be seen!*



DESIGNED TO LAST

This new range of satellite dishes is built using aluminium, fibreglass and stainless steel to guarantee the protection against rust.

Its improved structure has been designed to make assembly easier.

ISD
SERIES



Flexible LNB holder

Made of fibreglass

Hide the cables in the arm

Made of aluminium

Best performance against corrosion

Aluminium dish and stainless steel screws



A FULL PRODUCT RANGE:

- ✓ Two sizes: 630 and 830
- ✓ Different packing options
- ✓ Up to 4 colors: **O** **W** **G** **R**

Robust pole clamp and bracket with adjustable elevation angle

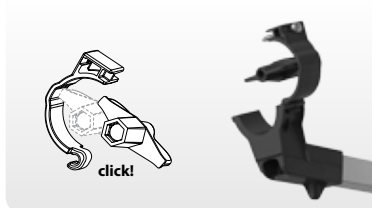
Made of ZAMAK

High resistance reflector bracket

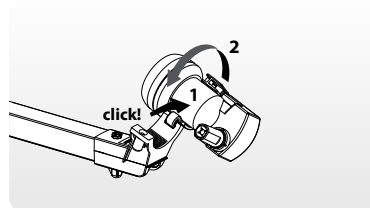
Made of fibreglass



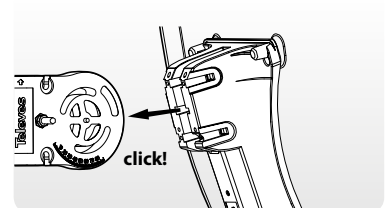
EVERY DETAIL IS IMPORTANT TO REDUCE THE ASSEMBLY TIME:



Integrated 10mm nut spinner in the LNB holder
Just break the plastic and tighten the nuts



Fit the LNB in the holder and keep it fixed during the installation



The reflector bracket fits easily on the elevation mechanism

UNLIMITED HD CONTENT OVER COAX OR IP

T.OX ENCODERS

Add content from other sources to your distribution network easily with our T.OX encoders

- ✓ MPEG-2 & MPEG-4 (H.264) video encoding
- ✓ Audio Dolby Digital AC-3
- ✓ Autoscan of the input video resolution
- ✓ Low current consumption
- ✓ High output level in RF
- ✓ Wide band output (Bill, S-Band, UHF)
- ✓ Edition of service parameters as LCN, TS_ID, etc
- ✓ Configuration of COFDM/QAM parameters
- ✓ Two programming options:
web interface or universal programmer

More encoders:

Quad A/V Composite - COFDM/QAM
(Ref.563822)

Twin HDMI or HD component - COFDM/QAM
(Ref.563832)

Single HDMI Encoder

Ref. 566001

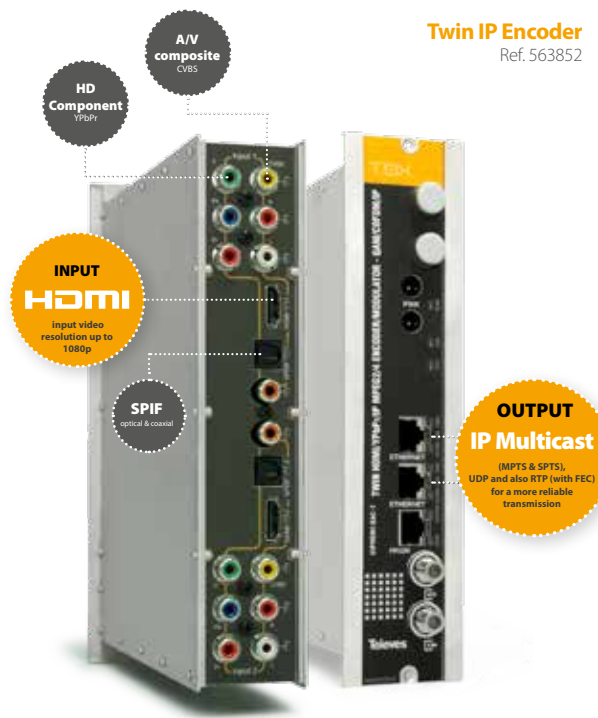


Standalone PSU included

OUTPUT RF
COFDM/QAM

Twin IP Encoder

Ref. 563852



This encoder also allows operation in reverse mode:

It converts a multicast ip input (even a A/V source) to a RF output (COFDM/QAM).
An interesting application to save internet bandwidth on GPON solutions (broadcast video overlay).

A MULTISWITCH IMPLEMENTING DCSS TECHNOLOGY FOR UNICABLE COMPATIBILITY

dcSS SOLUTIONS

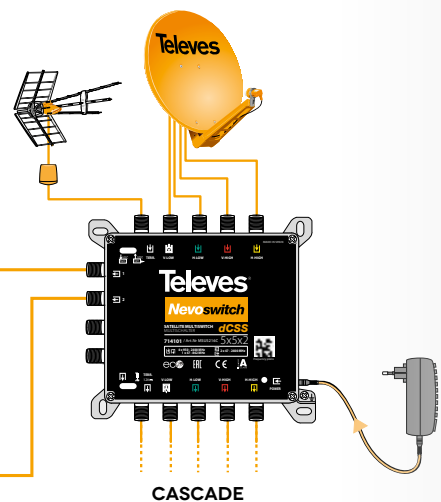
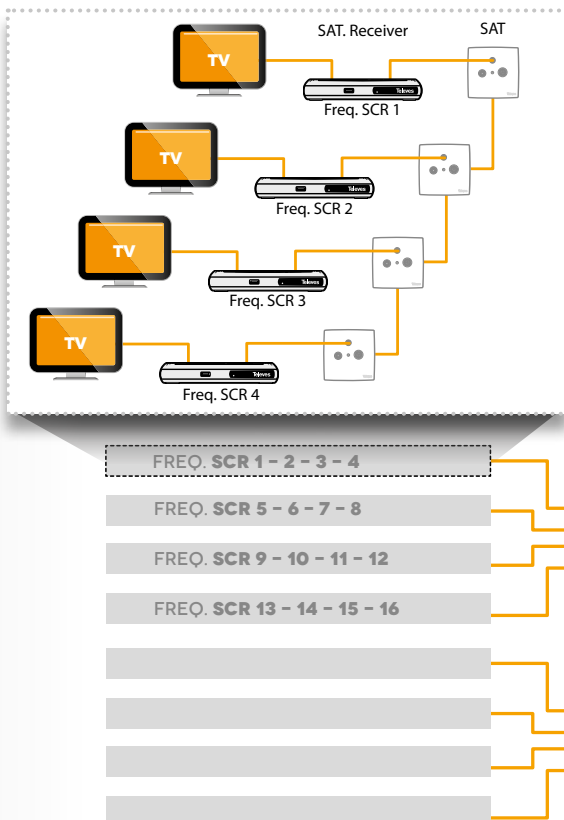
This 5 wire cascadable multiswitch supports standard SCR I, SCR II and legacy modes, which means it the multiswitch will be compatible with any existing or new installation.

Since it is using the same chassis as the current Nevoswitch range it is be very easy to add to any existing Nevoswitch installation. Integration in non-Televés system will also be possible as the product is very versatile and it doesn't necessarily have to be installed in an existing Televés system.

European Quality, Design and Manufacture

- ✓ 4 satellite inputs (Quattro) and terrestrial input
- ✓ 2 or 4 user outputs, up to 16 tuners each
- ✓ AGC (Automatic Gain Control) in the inputs
- ✓ Cascadable configuration to having more user outputs
- ✓ Single cable technology supported:
 - SCR I (EN50494)
 - SCR II (EN50607)
 - Legacy mode
- ✓ Multiple powering options:
 - From an external PSU
 - In-line (from cascade outputs)
 - From the user outputs (PSU required in the apartment)
- ✓ Chassis made of Zamak: radiation immune

▲ 714101



THE PROGRAMMABLE AMPLIFIER

THAT WILL BEAT YOUR EXPECTATIONS IS COMING

Avant 9

- ✓ **A new size lighter and more compact**
(270 x 200 x 60 mm)
- ✓ **UHF filters with more selectivity**
30dB rejection to adjacent channel
- ✓ **Save energy**
Up to 25% less power consumption than previous models
- ✓ **Chassis made of ZAMAK**
Improved screening attenuation



MULTIPLE PROGRAMMING OPTIONS



Programmable via an Android App for smartphones and tablets

Use your mobile phone as a working tool to program your Avant



Auto programming

With the new Autoscan functionality the amplifier will automatically scan its UHF inputs and allocate the muxes found to filters.

(Only available on the PRO versions)



Backwards compatible and still programmable via your **current universal programmer or your PC**

AND ALSO:

- ✓ The App allows the channel level monitoring on the VHF and UHF bands
- ✓ 10 programmable UHF filters with adjustable bandwidth
- ✓ Automatic output signal adjustment
- ✓ Antenna or mast amplifiers automatically powered through the inputs (12V)
- ✓ LTE Ready
- ✓ Multiple inputs: FM, VHF, 120...862MHz, UHF (2 or 3) and satellite
- ✓ Two powering modes through the sat input: local and remote

A FULL PRODUCT RANGE
ADAPTED TO YOUR REQUIREMENTS

AVANT 9 BASIC

2xUHF

532001: Terrestrial

532011: Terrestrial and satellite

AVANT 9 PRO

3xUHF, auto-programming, VHF & UHF monitoring

532021: Terrestrial

532031: Terrestrial and satellite

A NEW MEASUREMENT EQUIPMENT: COMPACT, LOW SIZE AND WEIGHT

H30FLEX

Highly customizable with software options for different world digital TV standards (DVB-T/T2-S/S2-C)

Great measurements performance, including a digital real-time spectrum analyzer

AN AFFORDABLE, HIGH QUALITY MEASUREMENT EQUIPMENT:

- ✓ Fast responsive and easy to operate
- ✓ High contrast screen sun readable
- ✓ Fast & Automatic channel auto-scan with parameters autodetection (system scan)



VARIANTEN (MIT DOLBY):

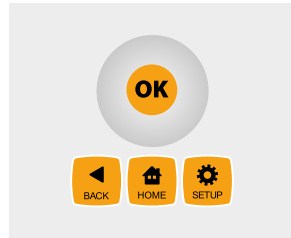
593301	H30FLEX with DVB-S/S2 and DVB-T
593302	H30FLEX with DVB-S/S2 and DVB-T/T2
593303	H30FLEX with DVB-S/S2 and DVB-C
593304	H30FLEX with DVB-S/S2, DVB-T/T2 and DVB-C

OPTIONEN:

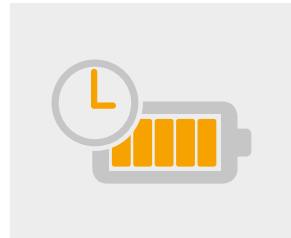
593231	DVB-T
593232	DVB-T/T2
593233	DVB-C
593234	dCSS (SCR)



▶ **COMPACT, ROBUST AND LIGHT**
IMPROVES INSTALLATION
PRODUCTIVITY



▶ **ERGONOMIC HANDHELD DESIGN**
USER-FRIENDLY INTERFACE



▶ **LONG BATTERY RUNTIME**
WITH CUSTOM ECONOMIC
PROFILE



▶ **GREAT CONNECTIVITY**
WITH CLOUD AUTO-UPDATE
FUNCTIONALITY



THE INTELLIGENT ANTENNA FOR CARAVAN PARK

CAMPNOVA^{BOSS}

The only antenna specially designed for caravans with integrated BOSS Tech (*Balanced Output Signal System*).

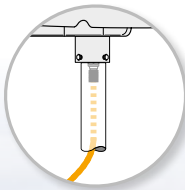
With this system, the antenna becomes intelligent and fully automatically optimizes the TV signal reception. It offers the best output level in order to improve performance and quality reception, always ensuring a low power consumption.

COMPACT DESIGN
with a low visual impact
(318 x 346 x 72 mm)



The base integrates a **FIXING ELEMENT COMPATIBLE** with masts up to 30mm of diameter

Thanks to the fixing system **THE CABLE IS PROTECTED AND HIDDEN** through the mast or the support



▲ 144501

KIT ANTENNA
with mounting accessories included (Amplifier, current injector, coaxial cables and connectors)



LTE Ready PRODUCT:
With integrated filter to reject the telephony LTE/4G signals, very commons in campsite



WEATHERPROOF (IP 53):
made of high resistance materials for adverse weather conditions



MOSAIQ₆



THE POWER OF USER EXPERIENCE



UP TO **6 SCREENS** IN ONE

- HIGH DEFINITION 8" SCREEN
- SERVICE BITRATE ANALYSER
- ALL RELEVANT MEASUREMENTS IN ONE DISPLAY
- PROFESSIONAL SPECTRUM ANALYSER IN REAL TIME
- ECHO REPRESENTATION FOR SFN NETWORK ANALYSIS
- CONSTELLATION DIAGRAM TO RECOGNISE THE TYPE OF INTERFERENCE

**COMING
SOON**



100% Designed, Developed & Manufactured in Teledes Corporation
teledescorporation ■ teledes.com ■ teledes@teledes.com

Teledes[®]