

ASHTS

analogue

enerypted channels

Install DIGITAL TO TV

DVB-S

DVB-1

and view what YOU want when YOU want

Turns satellite channels into IPTV, preserving its original digital quality Turns the video output from receivers, DVDs, cameras... into IPTV Pure image, without interference or noise, ideal for flat screens Roofs without satellite dishes: helps to preserve the landscape Modify the programming grid from any computer Expandable: more channels can be added in the future Flexible: adapts to client's needs









Turn any video source into IPTV

Would you like to get the Video/Audio output from a pay per view decoder and distribute it in IPTV? Does your business have a corporate channel with information on the services offered? Do you have a private video channel? Do you have security cameras, video door entry system or any other application with video/audio you wish to inject in the distribution system?

No problem, Digital To TV is the solution you were looking for!



Change the programming whenever you want from any computer

In a hotel, the guests change according to the season. Why not change the television programmes too?

During the installation of the **Digital To TV**, the installer will set up the programmes that you wish to make available to your clients. Later, using the remote control software (webserver), you will be able to re-configure the system to add, clear or move channels.



Satellite channels in IPTV format

Can you imagine receiving the satellite digital TV using an IPTV decoder? With ${\bf Digital \ To \ TV}$ it is possible!

Digital To TV turns the satellite digital television programmes into IPTV format. As the process is fully digital, the final quality is equal to the original one.

Digital To TV





More programmes

Digital To TV is designed to distribute a great number of different programmes in IPTV format. This wide offer of programmes allows the supply of local, national and international channels in different languages, programmes with internal information, publicity, etc.

Offer your clients a unique programme grid!



Internal information channels: Video Signage

Easily add exclusive channels with information on the services of the hotel, the activities in the convention rooms or any other type of information.

It is as simple as connecting the computer, DVD or other type of player to the ${\bf Digital} \ {\bf To} \ {\bf TV}.$

Render your investment profitable! Incorporate channels with local publicity

Clients will appreciate to learn about the offer of leisure and services in the area. Through a channel with local information the hotel will be able to make the system profitable. It will also allow to promote the internal services: bar, restaurant, etc.







Digital To TV





Offer encrypted programmes in open for communities

Digital To TV includes slots to insert CAM modules and Smart Cards that allow the distribution of TV programmes in free view. This allows all the neighbours to receive the TV channels without the need for additional decoders.

For services that do not offer de-encryption solutions in CAM format, the **Digital To TV** converts the ASI or the video/audio output of the original receivers to IPTV.



Preserve the landscape: no satellite dishes!

There are many towns and communities of neighbours that would wish to remove from their buildings the satellite dishes that have slowly contributed to distort the landscape.

The **Digital To TV** allows us to transmit all the contents in IPTV format and to receive them through the IP network, thus contributing to "clean" the landscape of satellite dishes.



Digital To TV suitable for all types of installations, including high definition

DTT Distribution is very convenient in cases where the need to optimise the space has led to the use of flat screens. This might be the case in ships, hospitals, pubs, etc.

The **Digital To TV** is compatible with the new high resolution channels. Make them available to your customers!



IP receiver to ASI-TS output





The **DT-324** module can receive multiple IP-encapsulated streams and deliver them in up to 4 TS-ASI outputs. Factory configuration setups range from direct stream transfer for MPTS feeds, to multiplexed streams with PSI/SI table addition for SPTS feeds.

In case of SPTS, there are two 4to1 TS multiplexer units with automatic PAT, PMT, NIT and SDT creation and insertion. Protocols supported are Multicast UDP/RTP and IGMPv2 (others on demand).



IP Streamer. ASI-TS input to IP output





The **DT-421** IP streamer module can receive up to 4 TS-ASI transport streams and convert them to IP Multicast streams so that they can be distributed over an Ethernet network.

All received TS are converted to IP "as is" regardless of being MPTS or SPTS. Output IP streams protocol can be set to UPD or RTP.

Other protocols or configurations are available upon request.



Dual/Single DVB-S/S2 receiver with CAM and ASI output



DT-301 can be tuned to receive a satellite transponder. It allows the selection of a number of programmes and delivers them through a ASI - Transport Stream output. Each satellite receiver has two identical ASI-TS outputs so that all the programmes in a satellite transponder can fit into two DVB-T multiplexes. The built-in CAM module allows the de-encryption of programmes.

DT-302 has the functionality of two **DT-301** units and includes two satellite inputs and four ASI - *Transport Stream* outputs.



Dual/Single DVB-T receiver with CAM and ASI output



DT-311 can be tuned to receive a DVB-T multiplex. It allows the selection of all or a number of programmes and it delivers them through the ASI - *Transport Stream* output. The built-in CAM module allows the de-encryption of programmes.

DT-312 has the functionality of two **DT-311** units and includes two DVB-T inputs and two ASI - *Transport Stream* outputs.





Quadruple Video/Audio encoder, multiplexer and DVB-T modulator



DT-504B allows the insertion of video signals coming from receivers, players, CCTV cameras, video door entry systems, etc into the TV distribution network with all the advantages of the DVB-T technology.

DT-504B packs up to four video/audio input signals into one TS-ASI output and a DVB-T channel. It includes four independent video / audio MPEG-2 encoders, a multiplexer and a DVB-T modulator.



Control unit and power supply



DT-800 can control and supply up to 7 modules. The build-in keypad and screen allows changing at any time the configuration of the receivers, modulators, transmodulators, etc. The system is **protected with a password** so that the administrator can prevent accidental or non-authorized access.

The Ethernet port is useful to program the unit from a PC and also for remote control. It can be specially interesting when wanting to copy the configuration from one system to another to reduce the installation time.





Control module with a redundant power supply





Control module with a dual redundant power supply of 300 W and two inputs for 1 or 2 different electricity suppliers. Each power module is individually removable and hot-swappable. It works when either one of the electricity suppliers or one power module fails. In this case the second power module acts immediately without affecting the TV distribution system.

Both power modules can be replaced by hot-swapping a new one, that is, without rebooting the system. All other functions are equivalent to the power supply module **DT-800**.



Accesories

Assembly

Frame to assemble up to 7 modules plus the control unit **DT-800** (6 modules in the case of the **DT-802**). It can be wall mounted or in a 19" rack frame.

DT-900



To cover empty spaces in the frame rack.

CAM module DT-902

CAM module multiservice for conditional access (Viaccess, Mediaguard, Irdeo, Conax, Betacrypt, Cryptoworks). For **DT-301/302** and **DT-311/312** receivers.



Some examples of **Digital To TV** applications

IPTV as a **TV** distribution plattform



IPTV as a mean of transport for **TV** programmes



IP as a source of content





Helping to build a better industry









DTT

QPSK

ASI-TS

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