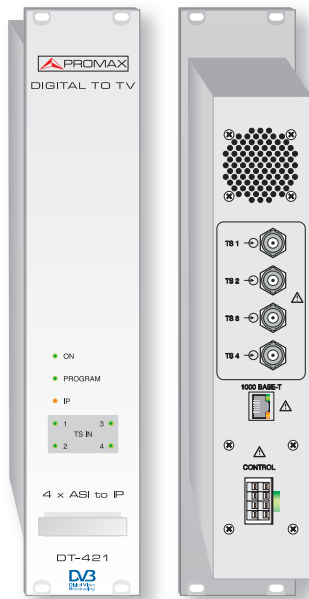


## ASI to IP converters, SPTS or MPTS output



The **DT-421-x** module is an "IP-streamer" that allows receiving up to 4 TS-ASI Transport Streams and convert them into IP Multicast streams, so that could be distributed in an Ethernet type network. The IP output streams can be transmitted on UDP or RTP protocol (other protocols can be implemented on demand).

Module configuration is done via the control module **DT-800**, either by front panel or from a PC (free software).

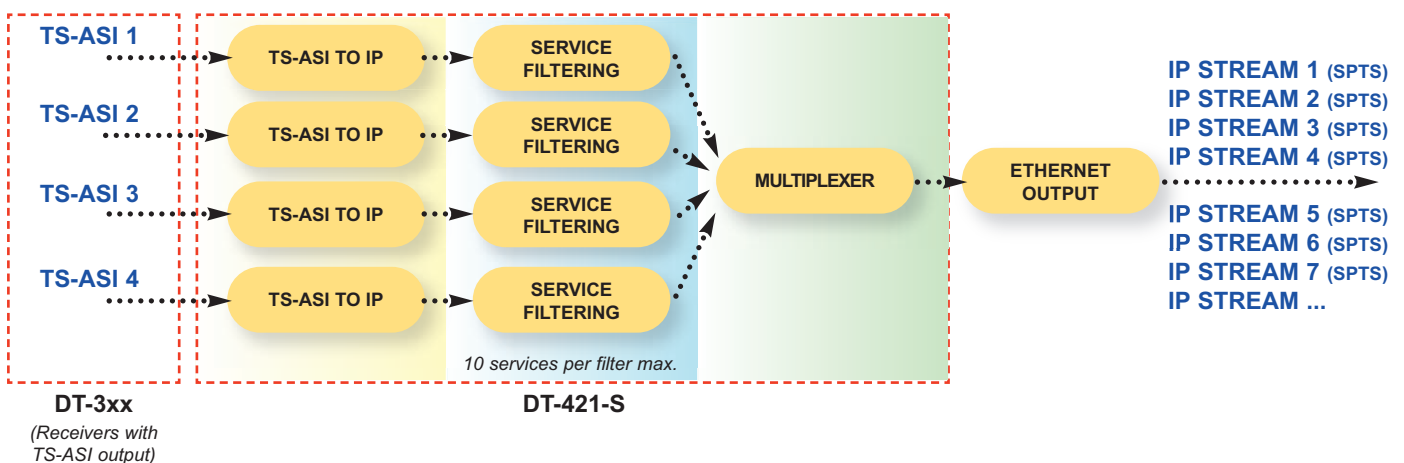
This module is available in two versions, depending on whether the IP output streams generated are SPTS type (**DT-421-S**) or MPTS type (**DT-421-M**). Some features may be available only when the TS-ASI comes from receiver modules that belong to the **Digital To TV** range such as the **DT-302** (DVB-S-S2 / ASI) or **DT-312** (DVB-T / ASI).

✓ **Version for SPTS outputs**  
(Single Program Transport Stream) **DT-421-S**

When it is used in combination with the **DT-302** (DVB-S/S2) and / or **DT-312** (DVB-T) it allows distributing in a local IPTV network several services for satellite and / or DTT in freeview format, such as complementary channels for the VOD services which are usual in an hotel IPTV network.

In this configuration, the **DT-421-S** lets you select up to 10 services for each TS-ASI input (that is a maximum of 40 services in total) and convert each of them in a separate SPTS IP stream. The user should assign a different IP multicast to each stream generated.

### Functional scheme



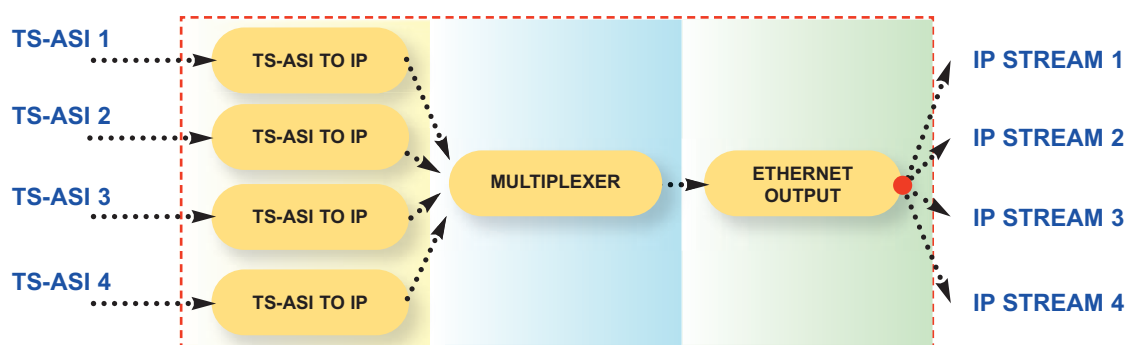
## ASI to IP converters, SPTS or MPTS output

✓ **Version for MPTS outputs**  
(Multiple Program Transport Stream) **DT-421-M**

The **DT-421-M** receives the transport stream from the 4 ASI inputs and converts them into 4 IP MPTS streams. Each IP MPTS output stream contains the same services and PSI / SI tables that its corresponding transport stream at the input. Conversion is direct, without processing or changing the stream content.

The main application of the MPTS version is to transport over an IP network several TS. The **DT-421-M** (ASI / IP MPTS converter) allows encapsulating IP up to 4 TS-ASI at the source, transporting them over an Ethernet or a VPN network to another network point, and to recover the exactly same original 4 TS-ASI thanks to the **DT-324-M** (IP MPTS converter / ASI), with identical services and tables.

Functional scheme



Specifications	DT-421
<b>IP Output</b>	1 Ethernet output 100/1000 Mbps. RJ45 connector.
<b>TS Input</b>	4 x DVB-ASI. BNC Female connector, 75 Ω (108 Mbps maximum per input)
<b>IP stream</b> Communication Protocol Transmission methode Payload	UDP or RTP/UDP. MULTICAST. 7 MPEG-2 packets.
<b>Power supply</b> Connector Voltage and highest consumption	Via the <b>DT-800</b> Control and Power Module JST B08P-XL-HDS (Connecting Cable supplied with the <b>DT-800</b> module) +12 V <0.2 A, +5 V <1.7 A.
<b>Mechanical features</b> Dimensions and weight Mounting	50 mm (W.) x 262 (H.) x 230 mm (D.). 0.820 kg Using <b>DT-900</b> rack/wall mounting frame
<b>Included accessories</b>	4x BNC/BNC Cable 25 cm, 4x BNC/BNC Cable 50 cm, User manual.
<b>Minimal configuration needed</b> 1x <b>DT-800</b> 1x Mounting structure	Power and Control Module Rack and wall mounting structure ( <b>DT-900</b> ) or Rack mounting structure ( <b>DT-900B</b> )