

# SnapTV GW 360 GBPX



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With built-in service provisioning tools, this product is much more than an IPTV gateway, it is a complete IPTV head-end in a box!

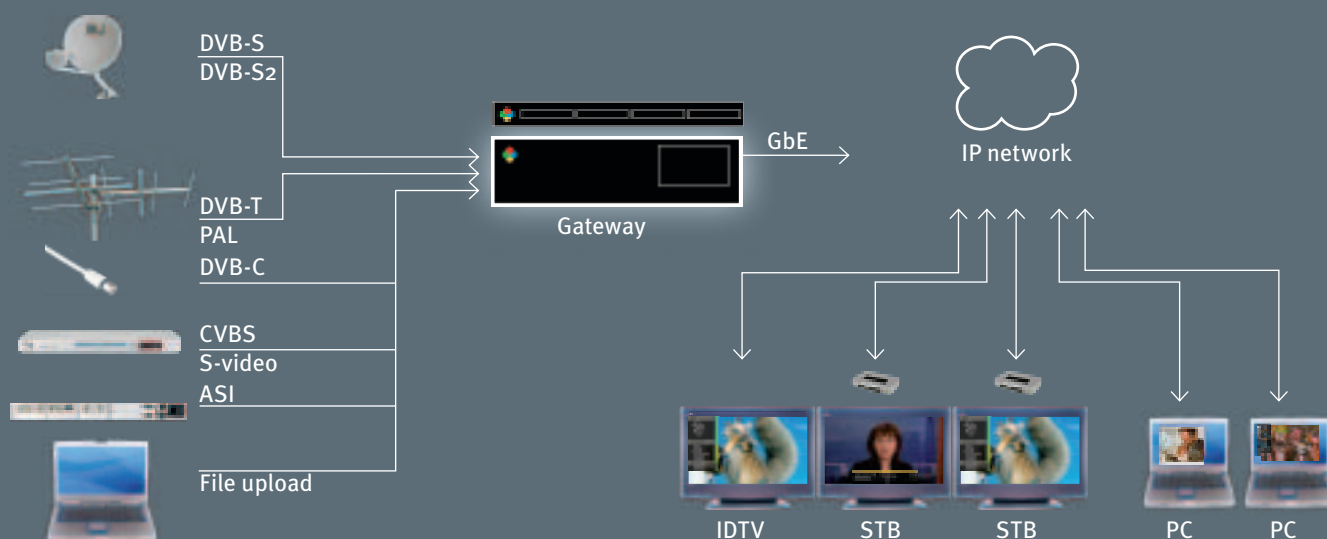
With up to 12 input modules and 500 Mbit/s multicasting capacity per gateway, this product shows superb channel density and performance, easily providing more than 100 TV channels...

With ingest quality monitor, output quality monitor, system integrity monitor, intelligent auto-recovery and easy web-based set-up, control, maintenance and monitoring is all web-based and simple.

Using mobile CPU technology for low heat dissipation as well as dual redundant hot swappable power-supplies, dual redundant hot swappable hard drives, this product offers carrier grade service reliability at very affordable price.

## Key Features

- Versatile input:
  - DVB-S, S2
  - DVB-C
  - DVB-T
  - DVB-ASI
  - Multistandard PAL/NTSC baseband AV media files
- Up to 12 input modules pr unit
- Simple web-based setup
- Up to 500 Mbit/s streaming per unit
  - Up to 200 TV channels per unit
- MPEG-2 and MPEG-4 AVC
- SD and HD
- Live MPEG-2 encoding
- Compatible with 3rd party IP/IP transcoders
- CA Stripping
- STB software provisioning
- Live encryption
- Channel list management and EPG provisioning



## Input (1-12)

### DVB-S input:

- Input terminal: F-type 75 Ohm
- Receiving Frequency: 950 ~ 2150 MHz Tuning Range
- Input Level: -65~25 dbm
- Symbol Rate: 2~45 Msps
- FEC: 1/2, 2/3, 3/4, 5/6, 7/8 and Auto
- LNB Supply Voltage: 13 or 18V
- DiSEqC: 1.2
- Support Data Burst & Tone Burst
- Antenna and LNB Control: 22KHz Tone
- Max. LNB Supply Current: 400mA with Short Circuit Protection

### ASI input

- Up to 16 inputs
- Input terminal 75Ohm BNC connector
- Input ReturnLoss <math>\leq 17\text{dB}</math>
- Physical Layer DVB/ASI-C
- Bit-rate 0..214 Mbit/s
- 188 or 204 bytes TS packet size

### DVB-T input

- Input Terminal: IEC 75 Ohm
- Receiving frequency: 51~858 MHz tuning range
- 2K or 8K FFT Size
- Punctured Codes: 1/2, 2/3, 3/4, 4/5, 5/6 and 7/8
- Bandwidth: 6, 7 or 8 MHz
- Reed-Solomon Decoder (204,188)
- Up to 32 pids

### DVB-C input

- Input terminal: F-type 75 Ohm
- Receiving frequency: 62~870 MHz tuning range.
- Input level: -20~+30dBm
- Symbol rate: 7Msps max
- QAM size: 16,32,64,128,256, Auto
- Roll-off factor: 0.13;0.15
- FEC: Annex A & C

### Analog input

- CVBS
- S-video
- NTSC format at 29.97fps: Full D1: 720x480, MPEG1: 352x240
- PAL format at 25fps: Full D1: 720x576, MPEG1: 352x288
- Audio capture formats: 32/44.1/48 KHz, 16bit stereo, 192/224/384Kbits/sec
- 10 bit video digitizer
- YUV 4:2:2 chroma sampling
- 4 line adaptive comb filter
- Selectable MPEG2 encoding datarates: 2-12Mbit/sec.

## Compliance and Safety

- EN 60950-1
- EN 55022
- EN 55024
- EN61000-3-2



## Output

- Single program transport streams carried in UDP/IP unicast or multicast. RTP is optional.
- 2x Combo 10/100/1000 Mbit/s Ethernet, RJ45 connector

## CA stripping

Common Interface support for

- Irdeto 1.06
- Seca 1.05
- Viaccess 1.0 V481/V483
- AlphaCrypt 1.0
- BetaCrypt 1.0
- Conax 4.0/4.00e
- Cryptoworks 1.0/12011
- AstonCrypt 1.03/1.05
- Nagravision

\*) Conditional access support may vary depending on input type. Pls ask for your application.

## Management Software

### Subscriber management

- a la carte channels selection per user
- live stream encryptor
- Embedded Secustream client authentication

### Set-up (web-based)

- Input sources
- Service filters
- Mapping of multicast address to channel numbers

### STB provisioning

- Integrated DHCP server
- Integrated STB boot server
- Automatic channel list update of STB
- Automatic generation of electronic program guide from EIT

### Monitoring

With SnapTV Service Monitor (web-based)

### Physical Dimensions

- Height: 6.9" (4U) / 176 mm
- Width: 17" (19" Rack Mount) / 431 mm
- Length: 16.3" / 413 mm
- Weight: 14 kg (approx.)

### Power Supply

- 90Vac - 264Vac @ 50-60Hz

### Power Consumption

- 300W max.