

# altum II

SAPEC



## DECODER H.264 / MPEG-2, SD/HD, 4:2:2/4:2:0

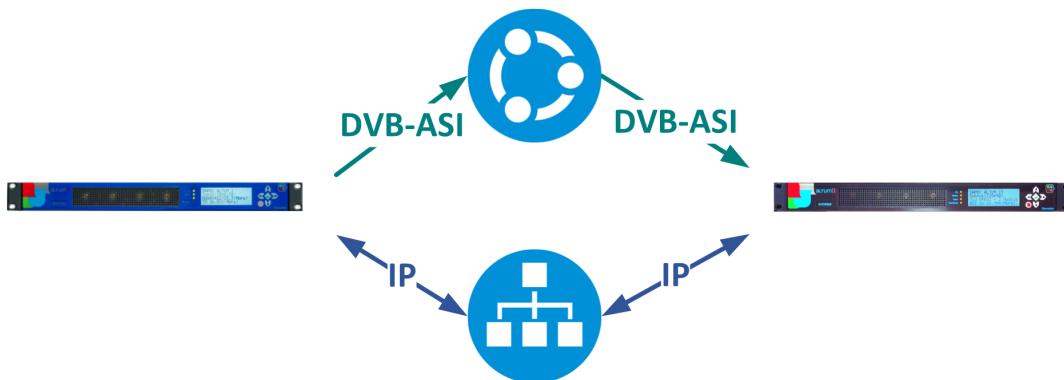
**ALTUM II** is a video decoder designed with the latest technology for professional Broadcast environments. Altum II guarantees reliability, low latency and high video quality processing for both distribution and contribution.

### KEY FEATURES

- Up to 8 embedded audio pairs (stereo)
- IP Flow forwarding
- RTP/UDP with FEC SMPTE 2022-1/2/7
- Ancillary data and VBI
- Hot-swappable redundant PSU (AC/DC)

### APPLICATIONS

- Contribution ASI or IP
- Distribution ASI o IP
- Multicast/Unicast
- Decryption BISS 1/E



Perfil	Modelo*	AHD6212	AHD6012	AHD4212	AHD4012	AHD2212	AHD2012	AVD6212	AVD6012	AVD4212	AVD4012	AVD2212	AVD2012
<b>SDTV</b>													
MPEG-2 MP@ML	●	●	○	○	●	●	●	●	○	○	●	●	●
MPEG-2 422P@ML	●	○	○	○	●	○	●	○	○	○	●	●	○
H.264 HP@L3	●	●	●	●	○	○	●	●	●	●	●	○	○
H.264 HI422P@L3	●	○	●	○	○	○	●	○	●	○	○	○	○
<b>HDTV</b>													
MPEG-2 MP@HL	●	●	○	○	●	●	○	○	○	○	○	○	○
MPEG-2 422P@HL	●	○	○	○	●	○	○	○	○	○	○	○	○
H.264 HP@L4	●	●	●	●	○	○	○	○	○	○	○	○	○
H.264 HI422P@L4	●	○	●	○	○	○	○	○	○	○	○	○	○

●	By Default
○	Optional

\* Model numbers can slightly vary from the examples given according to the final HW/SW configuration of the unit

## TECHNICAL SPECIFICATIONS

### VIDEO OUTPUT

#### Digital outputs

**Num. Outputs:** 2 x BNC

**Impedance:** 75 Ω

#### Formats:

HD-SDI (SMPTE 292M): 1080i25, 1080i29.94, 1080i30,

720p50, 720p59.94, 720p60 (**AHD**)

SDI (SMPTE 259M): 625/25Hz, 525/29.97Hz (**AHD and AVD**)

### VIDEO DECODING

#### Standards and profiles

**MPEG-2 MP@ML** H.264 HP@L3

**MPEG-2 MP@HL** H.264 MP@L4 & HP@L4

**MPEG-2 422P@ML** H.264 Hi422@L3

**MPEG-2 422P@HL** H.264 Hi422@L4

### INPUT INTERFACE

#### Video over IP

**Num. Inputs:** 3 x RJ-45

**Interface:** 3 x 10/100/1000 Mbps

**Encapsulation:** TS over IP: UDP, RTP with FEC SMPTE 2022-1/2  
(Multicast/Unicast)

#### ASI input interface

**Num. Inputs:** 1 x BNC (188/204 byte TS)

**Num. Outputs:** 1 x BNC (loop)

### Management and control

Full configuration via front panel, web interface and SNMP.

### Power Supply

**Range :** AC 100 - 240 VAC, 50/60Hz or DC 40 - 60 VDC

**Typical consumption:** < 90 W

### Physical characteristics

**Dimensions:** 19" x 1RU x 500 mm

**Weight:** 10 Kg

**Operational temp:** 0°C to 45°C

### HARDWARE OPTIONS

#### Redundant Power supply unit

**Range :** AC 100 - 240 VAC, 50/60Hz or DC 40 - 60 VDC

### SOFTWARE OPTIONS

#### Video Decoding

By a license key installation, is possible to the upgrade the equipment to any supported standard and/or profile.

#### External Synchronism input

**Num. Inputs:** 1 x BNC (Black burst / Trilevel)

#### Additional audio PID licenses

MPEG-1LII and MPEG-4 AAC

#### Decryption

BISS-1 y BISS-E

[WWW.SAPEC.ES](http://WWW.SAPEC.ES)

