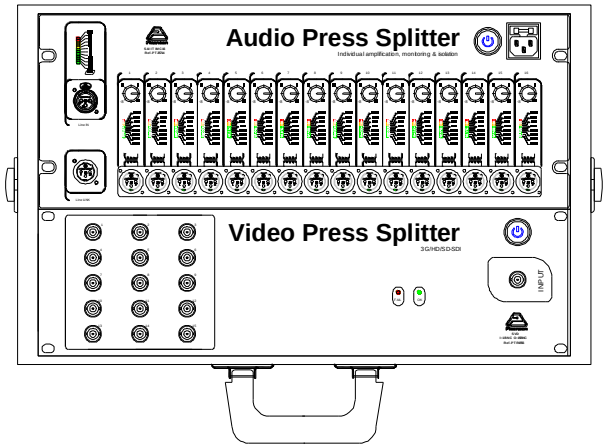
Tech Data

SIGNAL DISTRIBUTION

Press Splitter + Digital Video Splitter

SVD 15 + SAI IT IMC 16

FLIGHT CASE FORMAT



Description

- Inputs:
  - Video: 1 BNC 75 Ω
  - Audio: 1 XLR-F
- Outputs:
  - Video: 15 BNC 75 Ω.
  - Audio: 16 XLR-M
- Distribution of 3G/HD/SD-SDI video signals, line level audio and DVB-ASI 270 Mbit/s signals and line level audio signal for press.

VIDEO SPLITTER:

- Active splitter of 1 input to 15 SDI video signal outputs.
- It provides signal equalization so that allows compensating losses that may happen if it is used long cable lengths and re-clocking.
- Monitoring with LED of fail and correct input signal.

AUDIO SPLITTER:

- SAI IT IMC audio splitter from 1 line input into 16 outputs.
- Gain, monitoring and insulation per each output.
- Visual monitoring of the input level.
- Isolated outputs by high quality transformers.

Signal formats according to standards:

SMPTE 424M (3G-SDI)
SMPTE 292M (HD-SDI)
SMPTE 259M (SD-SDI)
DVB-ASI (a 270 Mbit/s)

Bit Rate: 143 Mbit/s, 270 Mbit/s, 1.483 Gbit/s, 1.485 Gbit/s, 2.967 Gbit/s y 2.970 Gbit/s.
Formats: 625 i 50, 525 i 59.94, 720 p 50, 720 p 59.94, 1080 i 50, 1080 i 59.94, 1080 p 50, 1080 p 59.94.

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Video Splitter Description

The **SVD SDI AR/MF 1:1 0:8** offers distribution of **1 input into 8 outputs of SDI digital video.**

- Provides **signal equalization** so that allows compensating losses that may happen using long cable lengths and **re-clocking**. The device operation doesn't manipulate the audio data frame.
- This splitter distributes **3G/HD/SD-SDI and** signals **DVB-ASI 270 Mbit/s** signal (with four outputs available in this case).
- The outputs **are copies** of the input signal.
- The "**correct**" and "**fail**" input signal can be seen by LEDs named ***INPUT OK*** and ***INPUT FAIL***.

Audio Splitter Description

The **Active SAI IT IMC 16 Splitter for Press of Pinanson** offers distribution of 1 line level signal into 16 outputs.
Both the input and outputs work **at line level**.
The user will have the outputs with the possibility to **modify the level** with a potentiometer per each output and check the input and output levels thanks to visual monitoring by *LEDS*.
This is a Flight Case (briefcase) (Note 1) format to move your splitter to any event in a comfortable and safe way.
This audio distributor has **the advantage of having a transformer per each output**, ensuring total isolating from all other signals from the audio system.

The **Active SAI IT IMC 16 Splitter for Press of Pinanson** has a highly good Frequency Response (deviation in 20Hz-20 KHz of ± 0.2 dB), low distortion (THD + N ≤ 0.01%) and really high Signal to Noise ratio (*SNR)* of 98 dB.

Note 1: Consult other formats on the website: www.pinanson.com .

Applications

When the distribution of **SDI video signal** (up to 15 3G-SDI outputs) and **line level audio** up to 16 line level signals (with gain, monitoring and isolated by transformer outputs) for **EVENTS WITH PRESS,** is needed.

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Electrical Characteristics
VIDEO SPLITTERS

Connector	Input		Output	
	BNC		BNC	
Impedance	75 Ω ±1%		75 Ω ±1%	
Return Loss	Up to 3 GHz	>10 dB	Up to 3 GHz	>10 dB
	Up to 1.5 GHz	>15 dB	Up to 1.5 GHz	>15 dB
Number	1		15	
Amplitude	800 mVpp ± 10 %			
Time up/down 20%-80%	Output			
	SD 270 Mbit/s		640 ps typ.	
	HD 1.5 Gbit/s		95 ps typ.	
	HD 3Gbit/s		95 ps typ.	
Power	Voltage		100-240 Vac	
	Connector		Screw connector 2.5 mm	
	Voltage Range		5 - 15 V_{DC}	
	Nominal Current		400 mA max. (V_{IN} = 5)	
Equalization	Automatic			
Re-clocking	Automatic			

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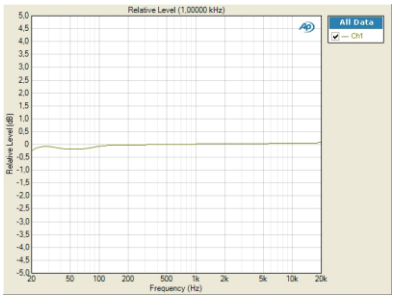
Electrical Characteristics
AUDIO SPLITTERS

Max. Input Level	30 Hz, 1% THD+N	+ 19 dBu
	1KHz, 1% THD+N	+20 dBu
Source Impedance *(Balanced, +4 dBu,1 KHz)*	44 kΩΩ	
Load Impedance *(Balanced, +4 dBu,1 KHz)*	600 ΩΩ Ω	
Gain *(Entradas/Balanced Outputs)*	- ∞ a +6dB en pasos de 0.5 dB	
THD + N *(4dBu, 1KHz)*	≤ 0.003%	
IMD *(+4dBu, 60 Hz y 7KHz)*	≤ 0.003%	
Frequency Response *(+4 dBu, 20 Hz – 20 KHz)*	Deviation: ± 0.3 dB 	
SNR *(+ 4 dBu, 1KHz, BW 20 KHz)*	98 dB	
CMRR *(4dBu, 1KHz)*	60 Hz, +4 dBu	>60 dB
	1 KHz, +4 dBu	
	3 KHz, +4 dBu	

Características GENERALES

Alimentación AC	85 – 270 VAC 47 Hz – 63 Hz Conector IEC de 3 pines.
Rango de Temperaturas de funcionamiento	0-50 °C
Dimensiones *(Alto x Ancho x Fondo)*	150 mm x 520 mm x 340 mm

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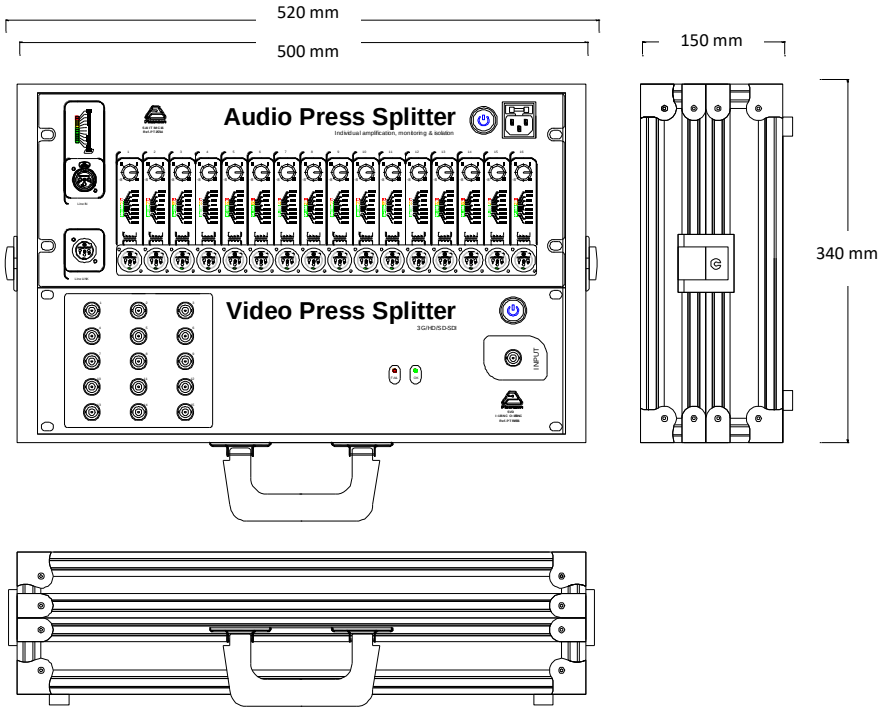
FLIGHT CASE FORMAT

Physical Characteristics

Briefcase format (flight case)

- Extruded aluminium panel.
- Finish (panel) with laminated vinyl.
- Flight case: wood, PVC and zinc plated material.



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Tests

Audio measurements are done with *Audio Precision APx515 analyser.*

Digital Video tests are done with the **RX500 rasterizer.**

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