

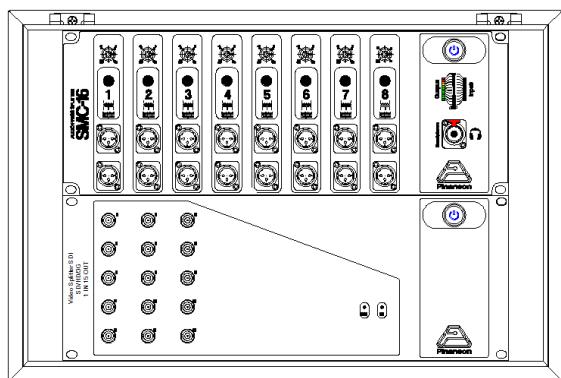
Tech Data

SIGNAL DISTRIBUTION

Press Splitter + Digital Video Splitter

SVD 15 + SMC 16

IP66 BOX 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.
- **Outdoor stainless steel box** with IP66 with **pneumatic closing lid**.

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:

- SMC active audio splitter of **1 input to 16 line level outputs**.
- **Gain per each output and monitoring** (visual and by headphones) of the signal level in groups of 2.
- **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**.

(*) If the distribution is of DVB-ASI 270 Mbit/s signal, connect only the first 4 odd outputs.

Audio Splitter Description

The **SMC 16** is an **active splitter for press** with 1 input + 1 Link output into 16 output at line level. The outputs have output **gain control per each 2 outputs** and **monitoring** of output and input level.

This device makes it possible the distribution of **1 signal into 16 isolated (by transformer) outputs** available for the press stuff with the possibility of modify the gain of each output and control both input and output level (visual and by headphones).

SMC 16 has a very good frequency response (deviation in 20Hz-20 KHz of ± 0.3 dB) and low distortion (THD + N $\leq 0.03\%$).

Applications

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

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Electrical Characteristics VIDEO

Connector	Input		Output						
	BNC		BNC						
Impedance	75 Ω $\pm 1\%$		75 Ω $\pm 1\%$						
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		8						
Amplitude	800 mVpp $\pm 10\%$								
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.							
	Voltage	100-240 Vac							
Power	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								
Temperature Range	0-50 °C								

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Electrical Characteristics AUDIO

Max. Input Level	30 Hz, 1% THD+N	+ 19 dBu
	1KHz, 1% THD+N	+20 dBu
Source Impedance (Balanced, +4 dBu, 1KHz)	44 kΩ	
Load Impedance (Balanced, +4 dBu, 1KHz)	600 Ω	
Gain (Entradas/Balanced Outputs)	- ∞ a +6dB en pasos de 0.5 dB	
THD + N (4dBu, 1KHz)	≤ 0.03%	
IMD (+4dBu, 60 Hz y 7KHz)	≤ 0.03%	
Frequency Response (+4 dBu, 20 Hz – 20 KHz)	Deviation	± 0.3 dB
SNR (+ 4 dBu, 1KHz, BW 20 KHz)	97 dB	
CMRR (4dBu, 1KHz)	>60 dB	

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)	400mm x 600 mm x 210 mm

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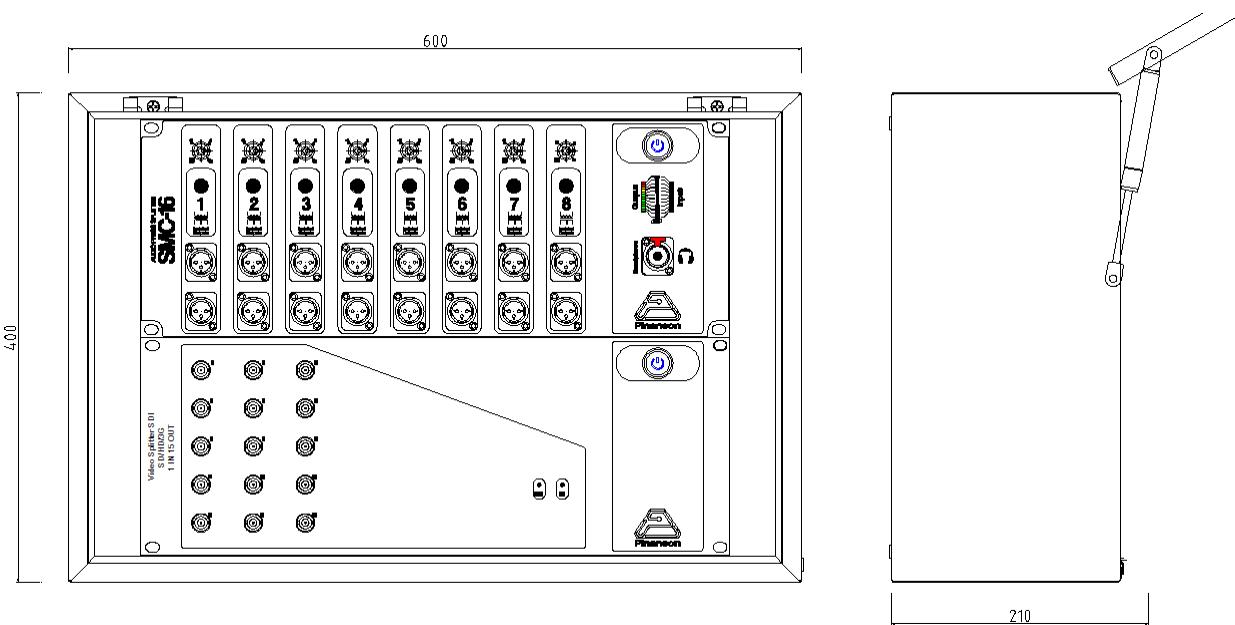
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IP66 BOX FORMAT

Physical Characteristics

Outdoor box format

- Extruded aluminium panel.
- Finish (panel) with laminated vinyl.
- Box with IP66 protection grade (with the lid).
- Stainless steel box.
- Lid with pneumatic closing.





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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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For possible changes due to continuous product improvements; Pinanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.