

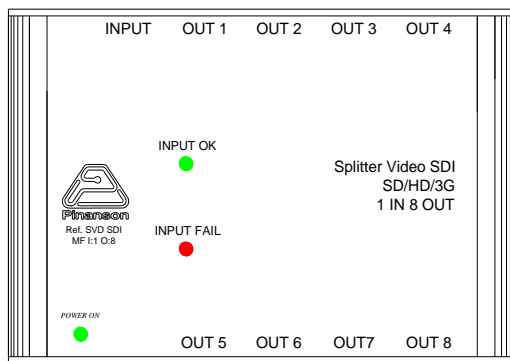
## Tech Data

## VIDEO DISTRIBUTORS

### VIDEO/CAMARA

### SPLITTER SVD

### MF FORMAT



Drawing: MF box format (portable).

## Description

- **1 BNC 75  $\Omega$**  Unbalanced input.
- **8 BNC 75  $\Omega$**  Unbalanced outputs.
- For **3G/HD/SD-SDI y DVB-ASI 270 Mbit/s** digital video distribution.
- Input **equalization** to compensate the cable length.
- Signal **re-clocking**.
- LED monitoring.
- Intuitive and straightforward use.
- Several formats: MF Box (portable) and AR Box (rack mount) formats.

#### 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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## Description

The **SVD SDI AR/MF I:1 O: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 odd outputs.

With different format as needed:

- **MF Box** (Portable) format: to place in any surface which will provide a light and fast way to work (with a handle) (see dimensions in *Physical Characteristics*).
- **AR Box** (Rack Mount) format: to installation in 19" rack (see dimensions in *Physical Characteristics*).

## Applications

SDI video signal distribution:

- **SPORT EVENTS:** Distribution of SDI video signal over long distances for different OB vans, with automatic signal equalization.
- **STUDIO:** Distribution of SDI video signals to multiple recorders, monitors...

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### Tech Specification

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		8	
Amplitude	800 mVpp ± 10 %			
Time up/down 20%-80%	<b>Output</b>			
	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 <sub>DC</sub>	
	Nominal Current		400 mA max. (V <sub>IN</sub> = 5)	
Equalization	Automatic			
Re-clocking	Automatic			
Temperature Range	0-50 °C			

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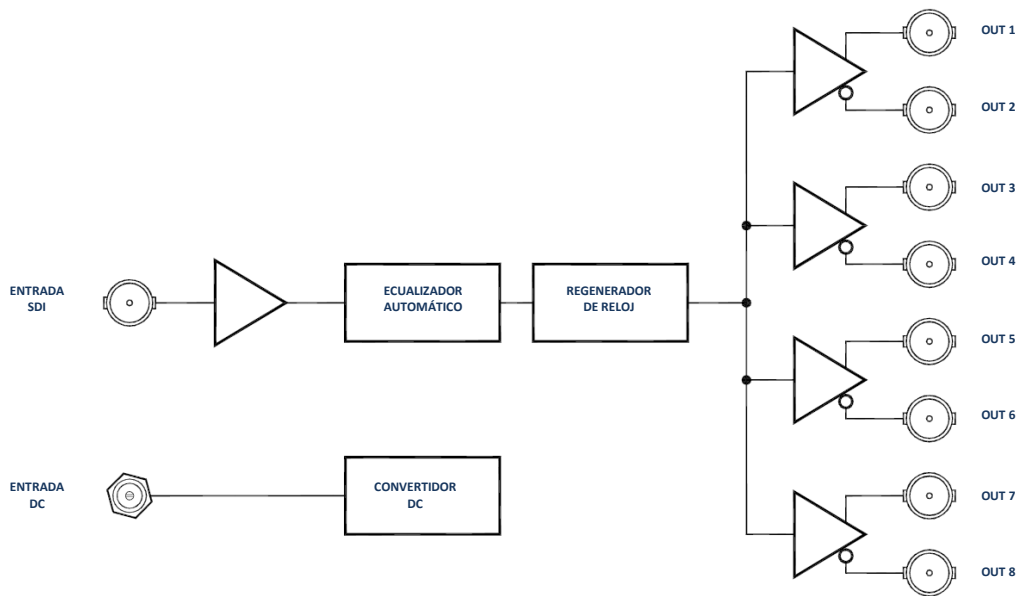
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## Operation Diagram



## Tech Data

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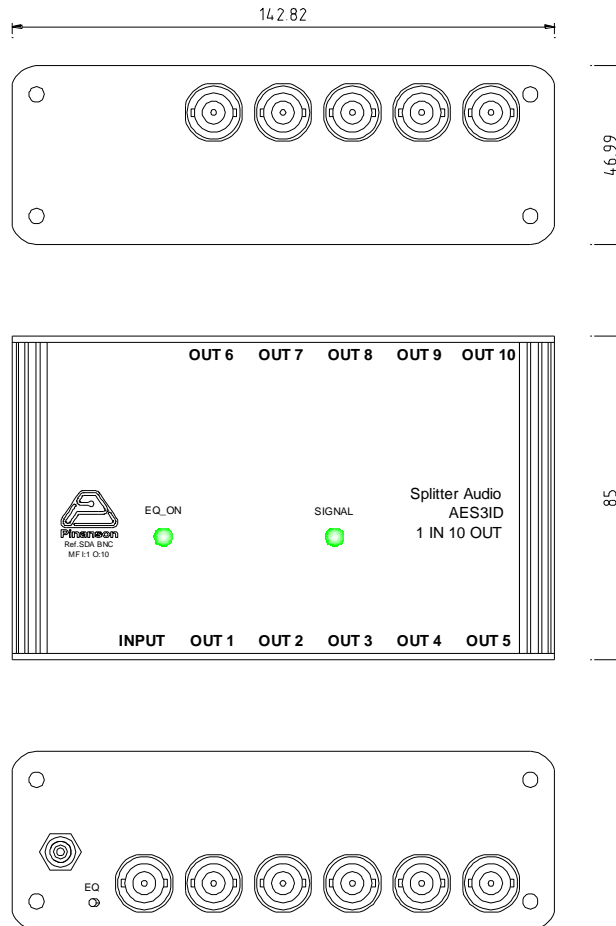
### SPLITTER SVD

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## Physical Characteristics

### MF Box Format (portable) REF.: PTR1216

- Extruded aluminium box.
- Finish: painted with electrostatic powder coating and vinyl laminated screen.



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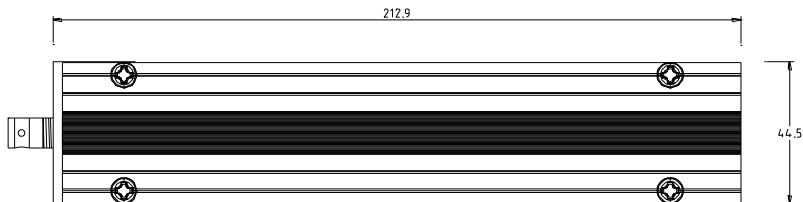
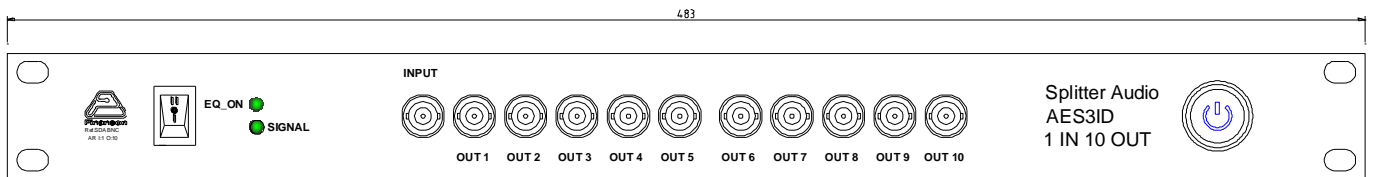
## VIDEO/CAMARA

### SPLITTER SVD

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### AR Box format (rack 19" mount) REF.: PTR1214

- Extruded aluminium box.
- Finish: painted with electrostatic powder coating and vinyl laminated screen.



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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.