

1x4 3G-SDI RECLOCKING DISTRIBUTION AMPLIFIER

SD1141



The SD1141 is a miniature and low-cost 1x4 3G/HD/3G-SDI re-clocking distribution amplifier. Among the 4 outputs, the SDI out 2 and SDI out 4 can support ASI signal. Besides, this distribution amplifier can be powered by DC or Micro USB. Featuring four separately buffered SDI outputs, the SD1141 provides automatic input detection, re-clocking and cable equalization (SD: 400m, HD: 200m, 3G: 120m).

Connections

SDI Video Input

1xSD/HD/3G-SDI(75Ω BNC)

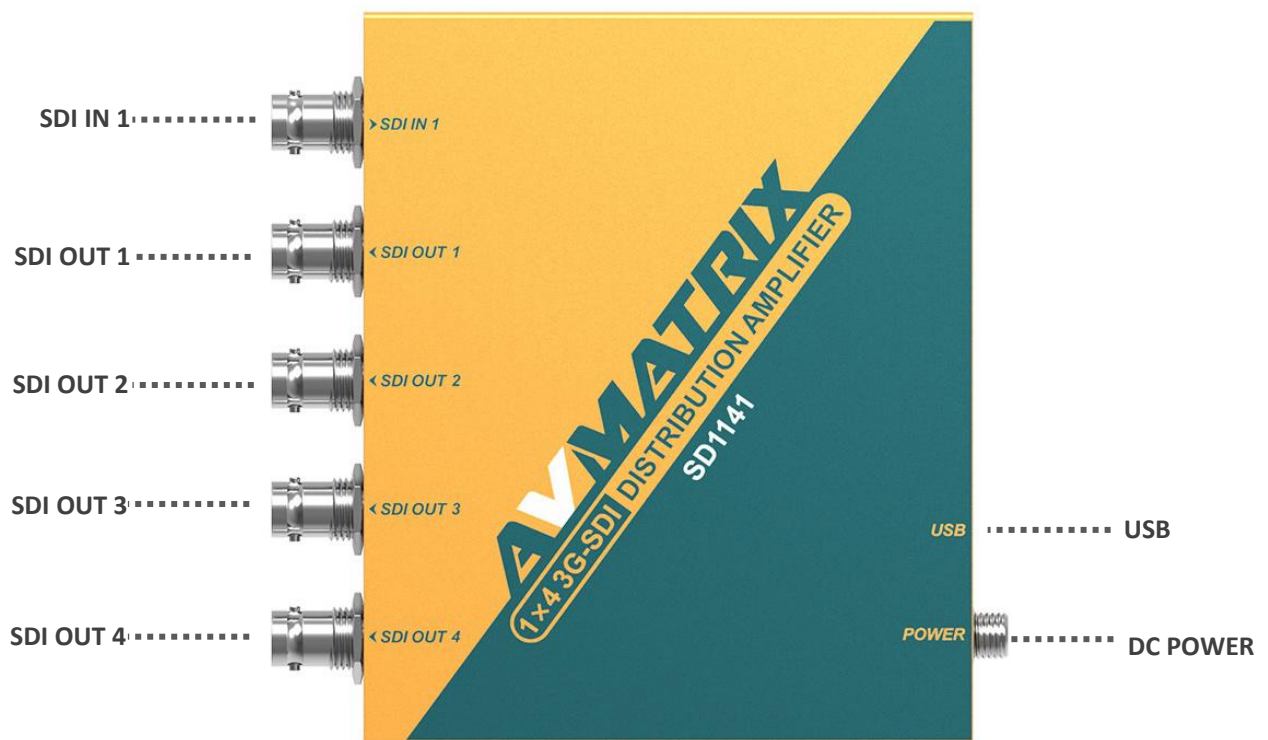
SDI Video Output

4xSD/HD/3G-SDI(75Ω BNC)

Output 2 and 4 support ASI signal

Updates

USB



Standards

SDI Format Support

(2K) 2048×1080p 30/29.97/25/24/23.98
 (2K) 2048×1080PsF 30/29.97/25/24/23.98
 (HD) 1920×1080p 60/59.94/50/30/29.97/25/24/23.98
 (HD) 1920×1080PsF 30/29.97/25/24/23.98
 (HD) 1920×1080i 60/59.94/50
 (HD) 1280×720p 60/59.94/50
 (HD) 1280×720p 30/29.97/25/24/23.98
 (SD) 625i 50
 (SD) 525i 59.94

SDI Compliance

SMPTE 372M, SMPTE 259M,
 SMPTE 292M, SMPTE 296M,
 SMPTE 424M, SMPTE 425M,
 DVB-ASI

SDI Color Space and Precision

RGB 4:4:4 10bit/12bit
 YUV 4:2:2 10bit/12bit
 YUV 4:4:4 10bit/12bit
 XYZ 4:4:4 12bit

SDI Auto Switching

Automatically detects SD, HD and 3G-SDI

Power

Power Supply

Micro USB or Threaded locking
 DC connector

Voltage Range

USB 5V
 DC 5-17V

Power Consumption

1W

Physical Specifications

Dimension

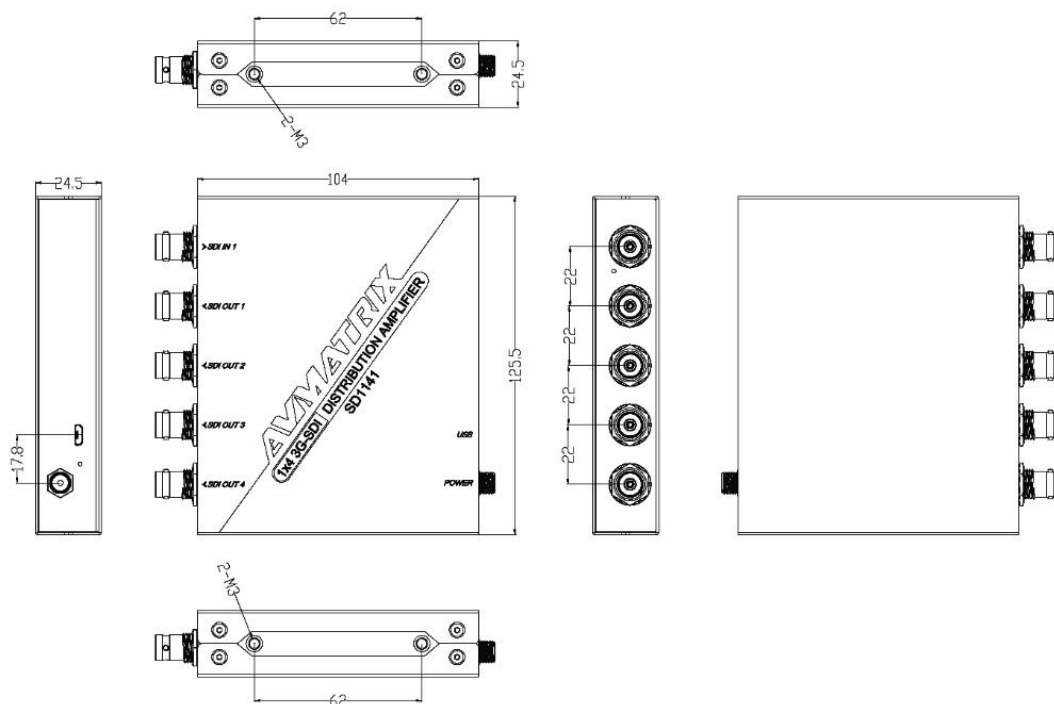
125.5×104×24.5mm

Net Weight

512g

Gross Weight

1200g



Environmental Specifications

Operating Temperature

-20°C~60°C

Storage Temperature

-30°C~70°C

Relative Humidity

0%~90% non-condensing

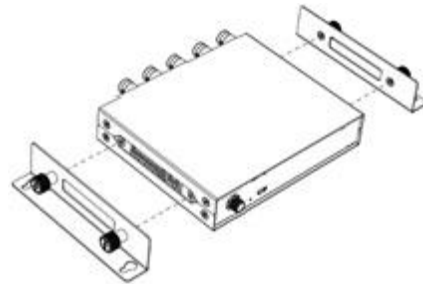
What's Included

SD1141 (1×4 3G-SDI Reclocking Distribution Amplifier)

Mounting Brackets ×2

DC 12V Universal Power Supply with International Socket Adapters

Mounting Diagram



Warranty

3 Year Limited Manufacturer's Warranty.