

## 12G 1 > 7 SDI Reclocking Distribution Amplifier

- 1 input and 7 outputs
- Suitable for SDI video up to 12G (4k/UHD)
- Supports SD SDI, HD SDI, 3G SDI, 6G SDI and 12G SDI
- Reclocking
- Auto-detect input format
- Input present LED indication

The DVD 1417 is a compact SDI distribution amplifier, which is suitable for all SMPTE standard SDI signals from 270Mbit/s through 4k UHD (12 Gbit/s). The SDI input format is auto-detected and all outputs are reclocked.

SMPTE 259M (270Mbit/s), SMPTE 292M (1.5Gbit/s), SMPTE 424M (3Gbit/s), SMPTE 2081 (6Gbit/s) and SMPTE 2082 (12Gbit/s) standards are supported.



### Optional Mounting Solutions



**RFR 1001**  
Mounting Bracket for a single yellobrik.



**RFR 1000-1** Mounting bracket for up to 14 yellobriks.  
Optional primary and redundant power supply (RPS 1120)

### Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



**P-TAP 1000**  
Use with a standard battery P-TAP power source.



**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

### Technical Specifications

<b>Input</b>	1 x SDI; 75 Ohm BNC connector  SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 2081, SMPTE 2082  Multi-standard operation from 270Mbit/s to 12Gbit/s; reclocking  Input present LED indication  Electrical Return Loss: >15dB from 5MHz to 1.5GHz, >10dB from 1.5GHz to 3GHz, >7dB from 3GHz to 6GHz; >4dB from 6GHz to 12GHz  Automatic cable EQ 320m @ 270Mbit/s, 200m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694A cable) 90m @ 6Gbit/s; 80m @ 12Gbit/s (Belden 4794R cable)
<b>Outputs</b>	7 x multi-rate reclocked SDI outputs ; 75 Ohm BNC connectors  SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 2081, SMPTE 2082  Electrical Return Loss: >15dB from 5MHz to 1.5GHz, >10dB from 1.5GHz to 3GHz, >7dB from 3GHz to 6GHz; >4dB from 6GHz to 12GHz  Alignment Jitter < 0.2 UI @ 270Mbit/s, < 0.2 UI @ 1.5Gbit/s, < 0.3 UI @ 3Gbit/s, 6Gbit/s, 12Gbit/s  Timing Jitter < 0.2 UI @ 270Mbit/s, < 1.0 UI @ 1.5Gbit/s, < 2.0 UI @ 3Gbit/s, 6Gbit/s, 12Gbit/s
<b>Power</b>	+12V DC @ 2.7W nominal - ( supports 7 - 16V DC input range )
<b>Physical</b>	Size: 138mm x 90mm x 22mm (5.43" x 3.54" x 0.86") including connectors Weight: 240g (8.46oz)
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	DVD 1417 - ( EAN# 4250479325210 )
<b>Includes</b>	Module, AC power supply, Quick Reference

DVD1417-rev07 - Specifications subject to change