# yellobrik® DVD 1423

## 12Gbit Dual 1 > 3 SDI Reclocking Distribution Amplifier

- 2 independent inputs
- 3 outputs per channel
- Suitable for SDI video up to 12Gbit/s (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 1423 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 formats are auto-detected and all outputs are reclocked.

Each channel is 100% independent and can process differnt SDi formats if requeired.
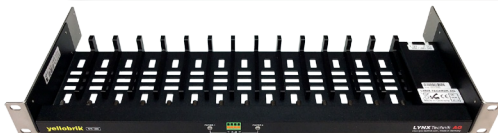
SMPTE 259M (270Mbit/s), SMPTE 292M (1.5Gbit/s), SMPTE 424M (3Gbit/s), SMPTE 2081 (6GBit/S) and SMPTE 2082 (12GBit/s) standards are supported.

## 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

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|---|---|
| Input | 2 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 (Belden xxxx cable) 400m @ 270Mbit/s, 200m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694 cable) 90m @ 6Gbit/s; 80m @ 12Gbit/s (Belden 4794R cable) |
| Outputs | 3 x multi-rate reclocked SDI outputs per channel ; 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 |
| Power | +12VDC @ 3.3W nominal - ( supports 7 - 16VDC input range ) |
| Physical | Size: 138mm x 90mm x 22mm (5.43" x 3.54" x 0.86") including connectors Weight: 240g (8.46oz) |
| Ambient | 5 - 40°C (41 - 104°F) 90% Humidity (non condensing) |
| Model # | DVD 1423 - ( EAN# 4250479325227 ) |
| Includes | Module, AC power supply |

Specifications subject to change

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# LYNXTechnik AG® | Broadcast Television Equipment

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