

1 to 7 12G-SDI Reclocking Distribution Amplifier

LYNX | Centraal™

yelloGUI ✓



Features

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

Description

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.

Technical Specifications

Inputs

1x SDI inputs on 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 for each channel

Electrical Return Loss:		to 1.5GHz >15dB	to 3GHz >10dB	to 6GHz >7dB	to 12GHz >4dB
Automatic cable EQ	270Mbit/s	1.5Gbit/s	3Gbit/s	6Gbit/s	12Gbit/s
	320m	200m	150m	90m	80m
	Belden 1694A			Belden 4794R	

Outputs

7x multi-rate reclocked SDI outputs per channel 75 Ohm BNC connectors
SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 2081, SMPTE 2082

Electrical Return Loss:		to 1.5GHz >15dB	to 3GHz >10dB	to 6GHz >7dB	to 12GHz >4dB
Alignment	270Mbit/s	1.5Gbit/s	3Gbit/s	6Gbit/s	12Gbit/s
Jitter	<0.2 UI	<0.2 UI	<0.3 UI	<0.3 UI	<0.3 UI
Timing Jitter	<0.2 UI	<1.0 UI	<2.0 UI	<2.0 UI	<2.0 UI

USB

Mini "Type B" connection to monitor via yelloGUI and update firmware

Power

+12V DC @ 2.7W nominal - (supports 7 - 16V input range)

Physical

Size	138mm x 90mm x 22mm (incl. connectors) (5.43" x 3.54" x 0.86")
Weight:	240g (8.46oz)

Ambient

5 - 40°C (41 - 104°F) 90% Humidity (non condensing)

Model

DVD 1417 EAN# 4250479325210

Includes

Module, AC power supply, Quick Reference

Monitoring, Automation and Centralization

yellobrik Rack Controller Module

The yellobrik Rack Controller RCT1012 is a node module to monitor and update up to 12 yellobriks centrally via ethernet instead of individual USB connections.

The module also offers four GPI interfaces to monitor the GPI output of other devices (example: the RFR 1200 power supply status).



yellobrik Server Module

The yellobrik server SRV 1000 adds functions like AutoControl, CustomControl, Mass Backup & Restore and more to a yellobrik system.

These additional features can only be accessed via LynxCentraal.



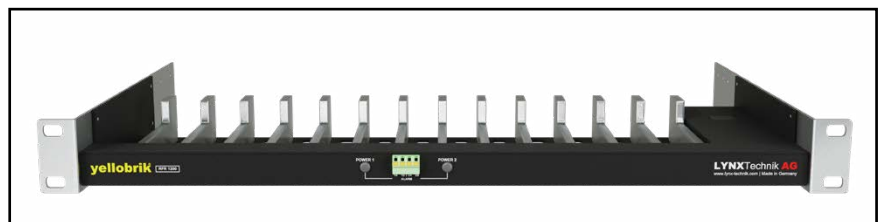
Optional Accessories

Rack Frames

This yellobrik can be placed in a rack frame along others to build increasingly complex systems, all monitored and controlled with a rack controller (RCT 1012) and server module (SRV 1000) via a PC or MAC using LynxCentraal.

The RFR 1200 offers additional power redundancy with GPI alert. It automatically closes a connection between the A and B terminals on power failure.

The RPS A100 is a 100W power supply, which can be mounted at the rear end of the RFR 1200 with an RXT 1001 power supply holder for rack frames.



RFR 1200: yellobrik Rack Frame



RPS A100: 100W Power supply



RXT 1001: Power Supply Holder

Power Adapter Options

The power requirements of this yellobrik allow for the usage of P-Tap or XLR connection based power sources.

Note: This does not replace the included power supply.



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.