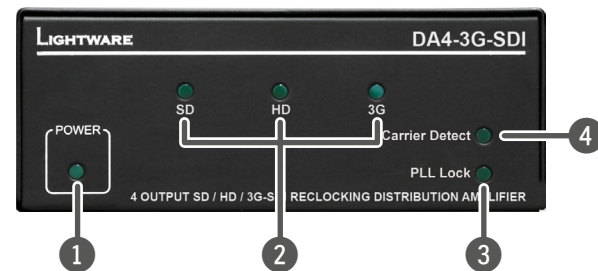


Quick Start Guide

DA4-3GSDI

Front and Rear View



- | | | |
|---|--------------------------|--|
| 1 | Power LED | The device is powered and ready for operation. |
| 2 | SD / HD / 3G LEDs | The indicated signal (speed) is detected on the input. |
| 3 | PLL lock | Signal synchronizing is succesful. |
| 4 | Carrier Detect | Signal is present on the input port. |
| 5 | AC input | Accepting 100-240 V, 3 VA |
| 6 | SDI input | Input port for SDI source device. |
| 7 | SDI outputs | Output ports carrying the same video signal. |

Mounting Options with Rack Shelf (optional accessory)

The 1U high rack shelf provides mounting holes for fastening two half-rack or four quarter-rack sized units.



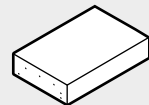
Important Safety Instructions

Please read the supplied safety instruction document before using the product and keep it available for future reference.

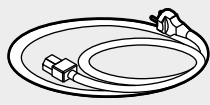
Introduction

Lightware DA4-3GSDI is a multirate one input four output serial distribution amplifier. Input equalization provides compensation of 100 m (3G-SDI) cable loss, while outputs are reclocked and independently buffered. Front panel LEDs gives a quick information about the DA status: power, data rate and PLL lock status. The unit has a built-in power supply and housed in a metal enclosure for long-term reliability and hard environment operation.

Box Contents



DA4-3GSDI unit

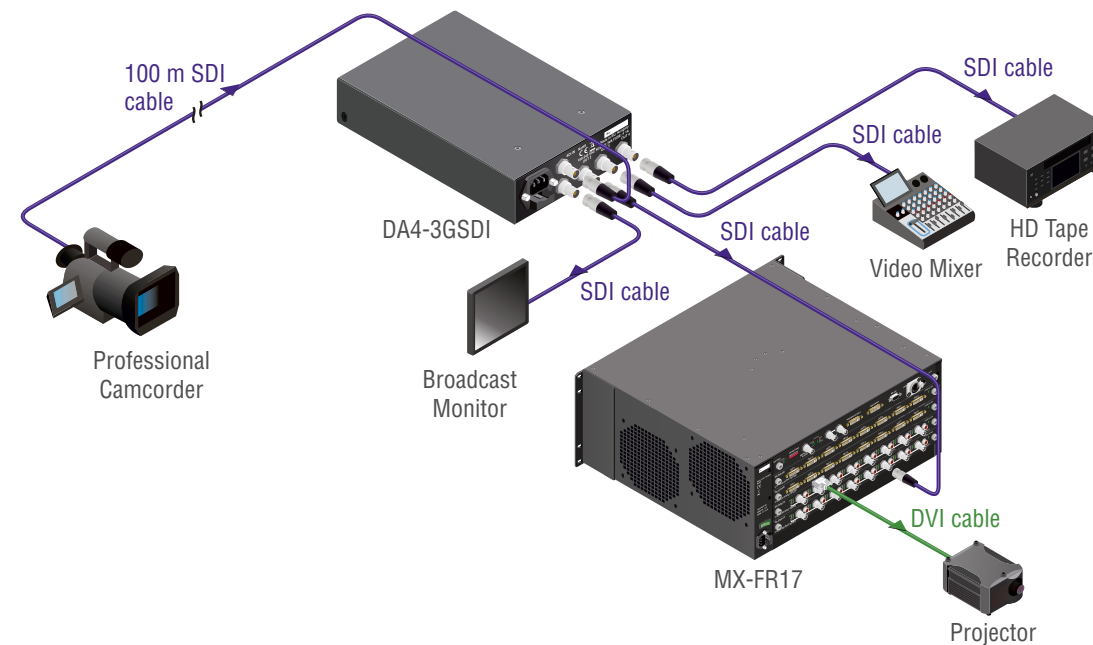


Power cable with IEC connector



Safety and warranty info, Quick Start Guide

Typical Application Diagram



Specifications

General

Compliance.....	CE, UKCA
Electrical safety	EN 62368-1:2020
EMC (Emission)	EN 55032:2015+A1:2020
EMC (Immunity)	EN 55035:2017+A11:2020
RoHS	EN 63000:2018
Warranty	3 years
Operating temperature	0° to +50°C (+32° to +122°F)
Operating humidity	10% to 90%, non-condensing
Cooling.....	passive

Power

Power supply option	Built-in PSU
Supported power source	100-240 V AC; 50/60 Hz
Power consumption.....	1.7 W (typ) 2.1 W (max)
Heat dissipation	6 BTU/h (min), 8 BTU/h (max)
AC power connector.....	IEC C14 receptacle
AC fuse.....	F 1A

Enclosure

Enclosure material.....	1 mm steel
Dimensions in mm.....	110 W x 181 D x 42 H
Dimensions in inch	4.4 W x 7.2 D x 1.7 H
Weight.....	890 g

Video inputs/outputs

Input connector type.....	1 x BNC (75 Ohm)
Output connector type.....	4 x BNC (75 Ohm)
Data rate (SD)	270 Mb/s
Data rate (HD)	1.48 Gb/s
Data rate (3G).....	2.97 Gb/s
Input cable compensation (SD).....	max. 400 m
Input cable compensation (HD)	max. 200 m
Input cable compensation (3G).....	max. 100 m

TAKE CARE OF ME



I AM THE ONE AND ONLY
USER DOCUMENT FOR
THIS PRODUCT

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Further information on the device is available at www.lightware.com.

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