

3GDA 1x6 3G/HD/SD Reclocking Distribution Amplifier User Manual



AJA[®]
VIDEO SYSTEMS

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Web: <http://www.aja.com>

Support Email: support@aja.com

Sales Email: sales@aja.com

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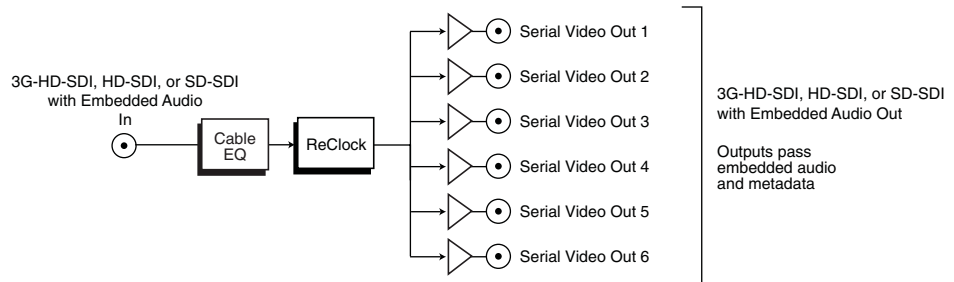
Introduction

The 3GDA is a miniature, low-cost 1x6 3G HD-SDI, HD-SDI, and SDI re-clocking distribution amplifier. Featuring six separately buffered SDI outputs, the 3GDA provides automatic input detection, re-clocking and cable equalization.

Features

- SD/HD/3G-HD Distribution
- Six Separately Buffered Outputs
- Miniature Size
- 120m 3G cable equalization (1694 coax)
- 3G HD-SDI, HD-SDI or SDI input, auto-sensing
- Passes all ancillary data
- +5-18V power supply (power supply sold separately)

Block Diagram



3GDA Block Diagram

I/O Connections



3GDA, Side View

Installation

Typically, 3GDA installation consists of the following:

1. Connect video equipment to the BNCs
2. Apply +5-18VDC power to the converter (AJA power supply model DWP or DWP-U)

Specifications

Item	Specification
Input	1 HD-SDI, SDI (SMPTE 259/292/296/424), 1x BNC
Formats	3Gb, 1.5Gb, 270Mb Auto Select
Outputs	3G HD-SDI, HD-SDI, SDI, 6x BNC, Equalizing and re-clocking
Cable Equalization	270mb, 350m 1.5Gb, 200m 3Gb, 120m Cable Equalization (1694 coax)
Input/Output Return Loss	>15db, 270Mb - 3Gb
Power (AJA power supply model DWP or DWP-U)	+5-18VDC, Regulated, 3 watts
Size	5.8" x 2.4" x 1" (131 x 61 x 25mm)