

D5PSW SDI Protection Switch User Manual



AJA
AJA VIDEO SYSTEMS INC

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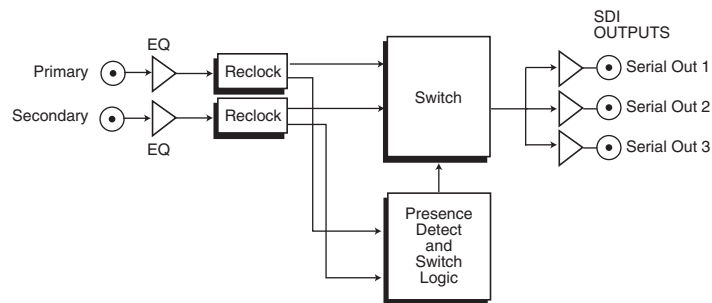
Introduction

The D5PSW accepts 2 SDI inputs, Primary and Secondary, and automatically switches to the Secondary input if the Primary input is not present or is not a valid SDI signal. An SDI input is considered valid if a proper SMPTE 259 stream is present. A LED indicator is Green if both Primary and Secondary are present, flashing green if the Primary is present but the Secondary is not present, and Orange if the Secondary is present but the Primary is not. The D5PSW has 3 SDI outputs.

Features

- Dual SDI input protection switch
- 3 SDI outputs
- Low Cost
- Cable EQ to 300 Meters
- Useful as a repeater and/or DA
- Multi color LED status
- +5-18V power supply
- No dip switches or configuration required

Block Diagram



D5PSW SDI Protection Switch, Block Diagram

I/O Connections



*LED indicator:
 Green if both Primary and Secondary are present
 Flashing green if the Primary is present but the Secondary is not present
 Orange if the Secondary is present but the Primary is not

D5PSW, Side View

Installation

Typically, D5PSW installation consists of the following:

1. disconnect +5-18VDC from the convertor
2. connect video equipment to the BNCs
3. apply +5-18VDC power to the converter (AJA power supply model DWP)

Specifications

| Item | Specification |
|---------------------------------------|---|
| Formats | 143, 177, 270, 360 Mb SMPTE 259, auto select |
| Inputs | 2 SDI (SMPTE 259M), 2xBNC |
| Outputs | 3 SDI (SMPTE 259M), 3x BNC Equalizing, Re-Clocking |
| Power (AJA power supply model DWP) | +5V DC regulated power, 4 Watts |
| Size | 5.1" x 1.8" x 1" (131 x 44 x 25 mm) |