

# Atlona AT-SDI82M Atlona 8x2 HD/SD-SDI reclocking Switch

## Atlona 8x2 HD/SD-SDI Reclocking Switch Model: AT-SDI52M

This AT-SDI82M receives, equalizes, and reclocks up to 8 SDI inputs, perfectly switches the desired input to SDI equipped monitors or receivers. The switch supports both HD/SD-SDI bit rates, and the re-transmitted quality is guaranteed. Through RS-232, IR remote, or front panel push button, the control of the SDI switch becomes versatile and easier. By perfectly duplicating the chosen SDI input, this SDI switch provides two identical outputs, and acts like a SDI splitter. AT-SDI82M offers the most convenient and cost effective means for swift switch and duplication of high quality SDI in the market.

### Features:

- HD/SD-SDI Switch
- Up to 8 equalized & re-timing SDI inputs
- Dual Color LED indication of HD/SD of the output SDI
- Automatic detection of the SDI Input
- Synchronizes input/output (switch after vertical sync)
- Low-cost 8x2 HD/SD (dual-rate) switch with dual outputs
- Provides the equalized and reclocked transmission path up to 300m (1000ft) at SD-SDI or 150m (500ft) at HD-SDI
- Multiple control by RS-232, IR remote, and push button

### Technical Specifications:

- SDI standards: SD-SDI & HD-SDI
- Auto HD/SD-SDI detection: Yes
- Supported protocols: SMPTE 259M / SMPTE 292M
- Video bandwidth: Single-link [1.485Gpbs & 1.485/1.001Gpbs]
- Data rates: 143 / 270 / 1483 / 1485 Mbps
- Video support:  
[HD] 720p50/59.94/60, 1035i50/59.94/60, 1080i50/59.94/60, 1080p24/30  
[SD] NTSC@59.94Hz, PAL@50Hz
- Output impedance: 75W
- Reclocking function: Optional upon request
- Cable equalization: [HD-SDI] up to 150m (500ft) / [SD-SDI] up to 300m (1000ft)
- Loop-out: Synchronized BNC loop-out at input and output
- Audio support: Yes
- Input: 8x BNC
- Output: 2x BNC
- BNC connector: 75W interlocking socket
- Dimensions [L x W x H]:  
Model 187 x 125 x 43mm [7.4"x4.9"x1.7"]  
Package 330 x 200 x 95mm [1'1"x7.9"x3.7"]
- Weight: Model 890g [2.0 lbs]
- Power supply: 5V 4A DC
- Power consumption: 10 Watts [max]
- Operation temperature: 0~40°C [32~104°F]

### Package Includes:

- 1x AT-SDI82M
- 1x IR remote controller
- 1x 5V power adapter
- 1x User Manual

### Warranty:

3 year manufacture warranty (parts&labor)

FYI:

#### SYNC-IN & SYNC-OUT:

These input & output are strictly used for device which handles synchronizing V-Sync signals across all sources for this model. The purpose of this function is to avoid flickering or "bright/dark" screen appeared between channel switch. User can connect the synchronizing device to SYNC-IN, and use SYNC-OUT to connect next device he wants to do V-Sync signal synchronization.

RELOCKING FEATURE: A Reclockin feature first equalizes, then extracts a clock from the signal and cleans up the eye pattern. It is useful to avoid signal loss due to cable length.