

500DA-HD-N

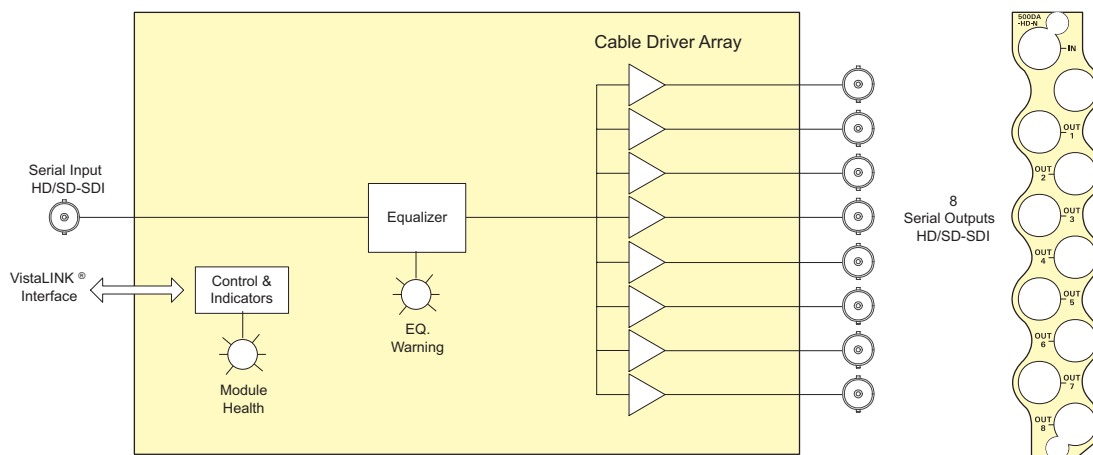
HD/SD-SDI Non-Reclocking Distribution Amplifier

The 500DA-HD-N Non-Reclocking Distribution Amplifier provides reliable distribution of your HD-SDI and SD-SDI video signal. This DA features an auto-equalized input with eight serial outputs. The 500DA-HD-N has been designed for use as a SMPTE 292M (1.5 Gb/s), DVB-ASI, SMPTE 259M, or SMPTE 310M distribution product.

The 500DA-HD-N DA's are housed in the 3RU 500FR **exponent** frame that will hold up to 16 modules.

►Features & Benefits

- Mode for SMPTE 292M (1.5Gb/s) or SMPTE 259M (143-360Mb/s)
- Fully hot-swappable from front of frame with no BNC disconnect required
- Independent isolated output drivers to ensure no cross channel loading effects (i.e. no need to terminate unused outputs)
- Module health and Status LEDs
- Carrier Present LEDs for each DA channel
- Tally output on Frame Status bus upon loss of input signal
- VistaLINK® -capable for remote monitoring via SNMP (using VistaLINK® PRO) when installed in 500FR frame with 500FC VistaLINK® Frame Controller



►Specifications

Serial Video Input:

Standards: SMPTE 292M (1.5Gb/s), SMPTE 259M (143 to 360Mb/s), DVB-ASI
Connector: BNC per IEC 61169-8 Annex A
Equalization: Automatic to 350m @ 270Mb/s, 110m @ 1.5Gb/s with Belden 1694A (or equivalent)
Return Loss: > 15dB up to 1.5Gb/s

Serial Video Outputs:

Number of Outputs: 8 non-reclocked
Connector: BNC per IEC 61169-8 Annex A
Signal Level: 800mV nominal
DC Offset: 0V ±0.5V
Rise and Fall Time: 200ps nominal
Overshoot: < 10% of amplitude
Return Loss: > 10dB up to 1.5Gb/s
Wide Band Jitter: < 0.2 UI

Physical:

Number of slots: 1

Electrical:

Voltage: +12V DC
Power: 6W
EMI/RFI: Complies with FCC Part 15 Class A
EU EMC Directive

►►►Ordering Information

500DA-HD-N HD/SD-SDI Non-Reclocking Distribution Amplifier

Enclosures
500FR
S501FR

exponent
Compact High Density Distribution Frame
Standalone enclosure