# IM160538

## 7700DA7-HD

*HD/SD-SDI Reclocking Distribution Amplifier*

The 7700 HD series Distribution Amplifiers provide reliable distribution of your 1.5Gb/s HDTV and 270Mb/s Standard Definition serial digital signal. The 7700DA7-HD features one auto-equalized input with seven reclocked outputs. It is housed in the Evertz® 7800FR Multiframe, which is available in either a 3RU or 1RU version.

The DA has been designed to reclock at 1.5Gb/s and 270Mb/s. In non-reclocking mode it can be used as a SMPTE 310M or SMPTE 259M/292M distribution product.

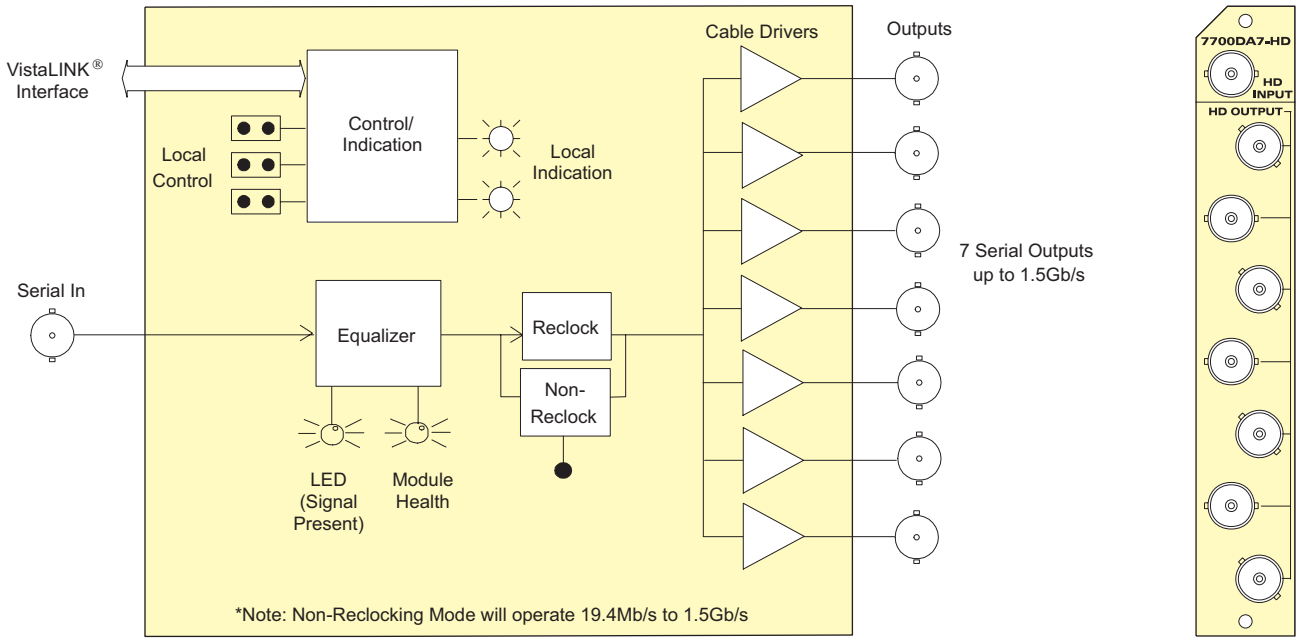
## Features & Benefits

- Reclocking mode for SMPTE 292M (1.5Gb/s), SMPTE 259M (270Mb/s), DVB-ASI auto sensing
- Non-reclocking mode for SMPTE 310M (also SMPTE 259M, 292M)
- VistaLINK® control

**Status LEDs**
- Signal presence
- Module Health Status

**Input**
- SMPTE 292M (1.5Gb/s) Reclocking mode
- SMPTE 259M (270Mb/s) DVB-ASI Reclocking mode
- SMPTE 310M - Non-reclocking mode
- Auto equalization to 100m (Belden 1694A)

**Output**
- 7 reclocked outputs
- Wideband jitter < 0.2 UI




## Specifications

**Serial Video Input:**

| | |
|---|---|
| Standard: | SMPTE 292M, SMPTE 259M-A, B, C, D, DVB-ASI or M2S |
| In Non-Reclock Mode: | SMPTE 310M (also SMPTE 259M, 292M) |
| Connector: | 1 BNC per IEC 61169-8 Annex A |
| Equalization: | Automatic to 100m @ 1.5Gb/s with Belden 1694A (or equivalent) |
| Return Loss: | > 15dB to 1.5Gb/s |

**Serial Video Outputs:**

| | |
|---|---|
| Number of Outputs: | 7 Per Card |
| Standard: | SMPTE 292M, SMPTE 259M-A, B, C, D M2S, DVB-ASI |
| In Non-Reclock Mode: | SMPTE 310M (also SMPTE 259M, 292M) |
| Signal Level: | 800mV nominal |
| DC Offset: | 0V ±0.5V |
| Rise and Fall Time: | 200ps nominal |
| Overshoot: | < 10% of amplitude |
| Return Loss: | > 15dB to 1.5Gb/s |
| Wideband jitter: | < 0.2 UI |

**Physical (number of slots):**

| | |
|---|---|
| 350FR: | 1 |
| 7700FR-C: | 1 |
| 7800FR: | 1 |

**Electrical:**

| | |
|---|---|
| Voltage: | +12V DC |
| Power: | 5W |
| EMI/RFI: | Complies with FCC Part 15, Class A EU EMC Directive |

## Ordering Information

| | |
|---|---|
| **7700DA7-HD** | HD/SD-SDI Reclocking Distribution Amplifier (1x7) |
| **Ordering Options** | Rear Plate must be specified at time of order<br>Eg: Model +3RU |

**Rear Plate Suffix**

| | |
|---|---|
| **+3RU** | 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe |
| **+1RU** | 1RU Rear Plate for use with 7701FR Multiframe |
| **+SA** | Standalone Enclosure Rear Plate |

**Enclosures**

| | |
|---|---|
| **350FR** | 3RU Portable Multiframe which holds up to 7 single slot modules |
| **7700FR-C** | 3RU Multiframe which holds up to 15 single slot modules |
| **7800FR** | 3RU Multiframe which holds up to 15 single slot modules |
| **7701FR** | 1RU Multiframe which holds up to 3 single or dual slot modules |
| **S7701FR** | Standalone enclosure |

# 7700DA7-HD

IM160538

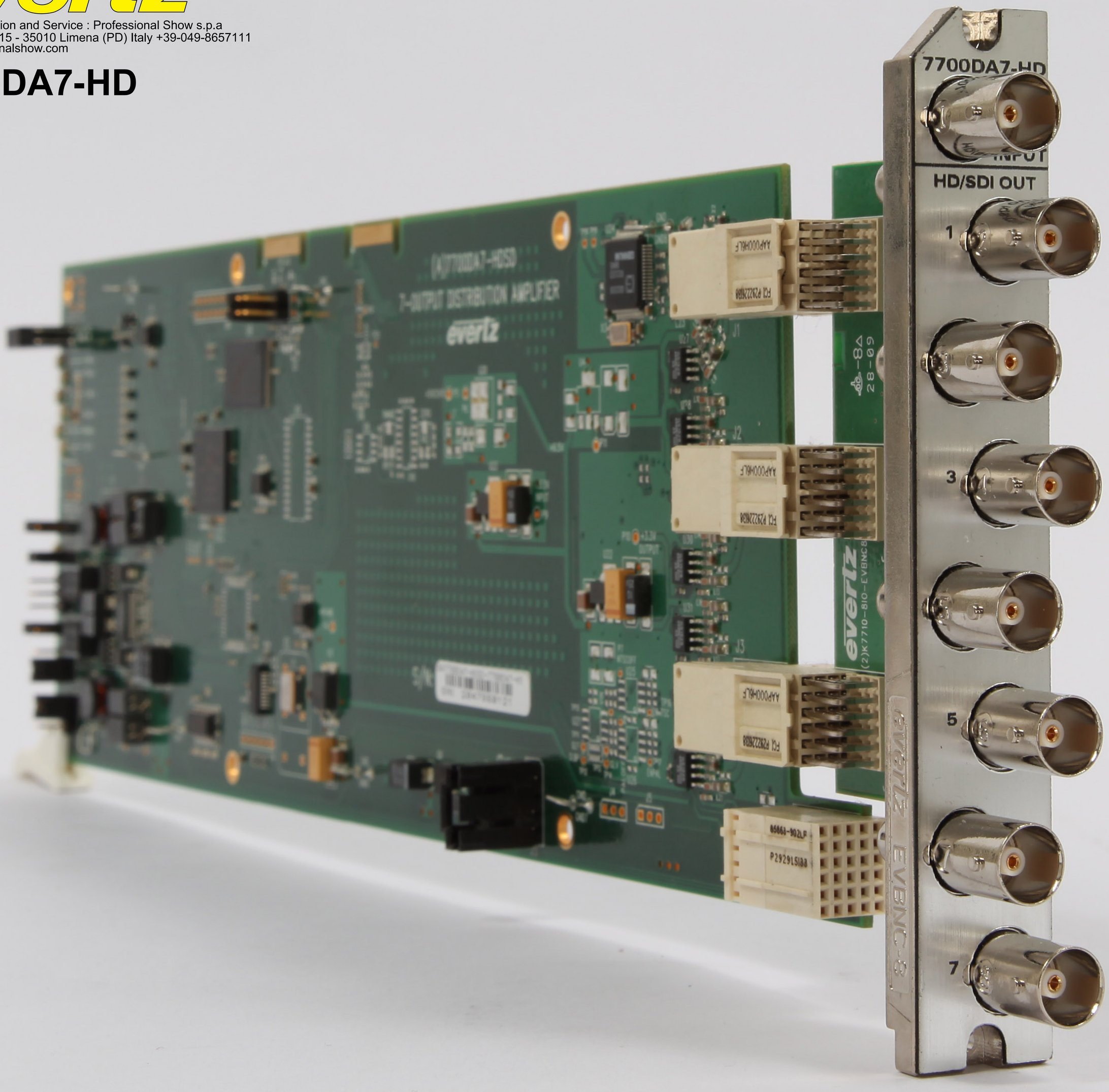



everlz
Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

IM160538

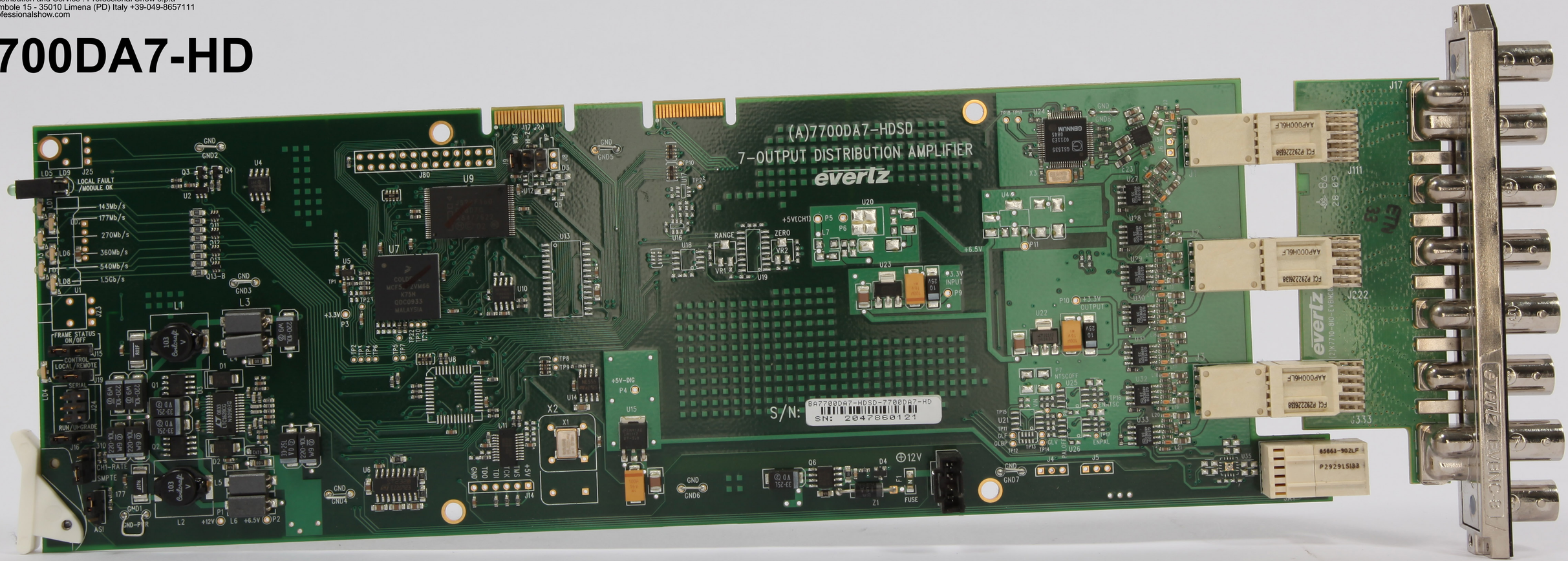
# 7700DA7-HD



Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

# IM160538

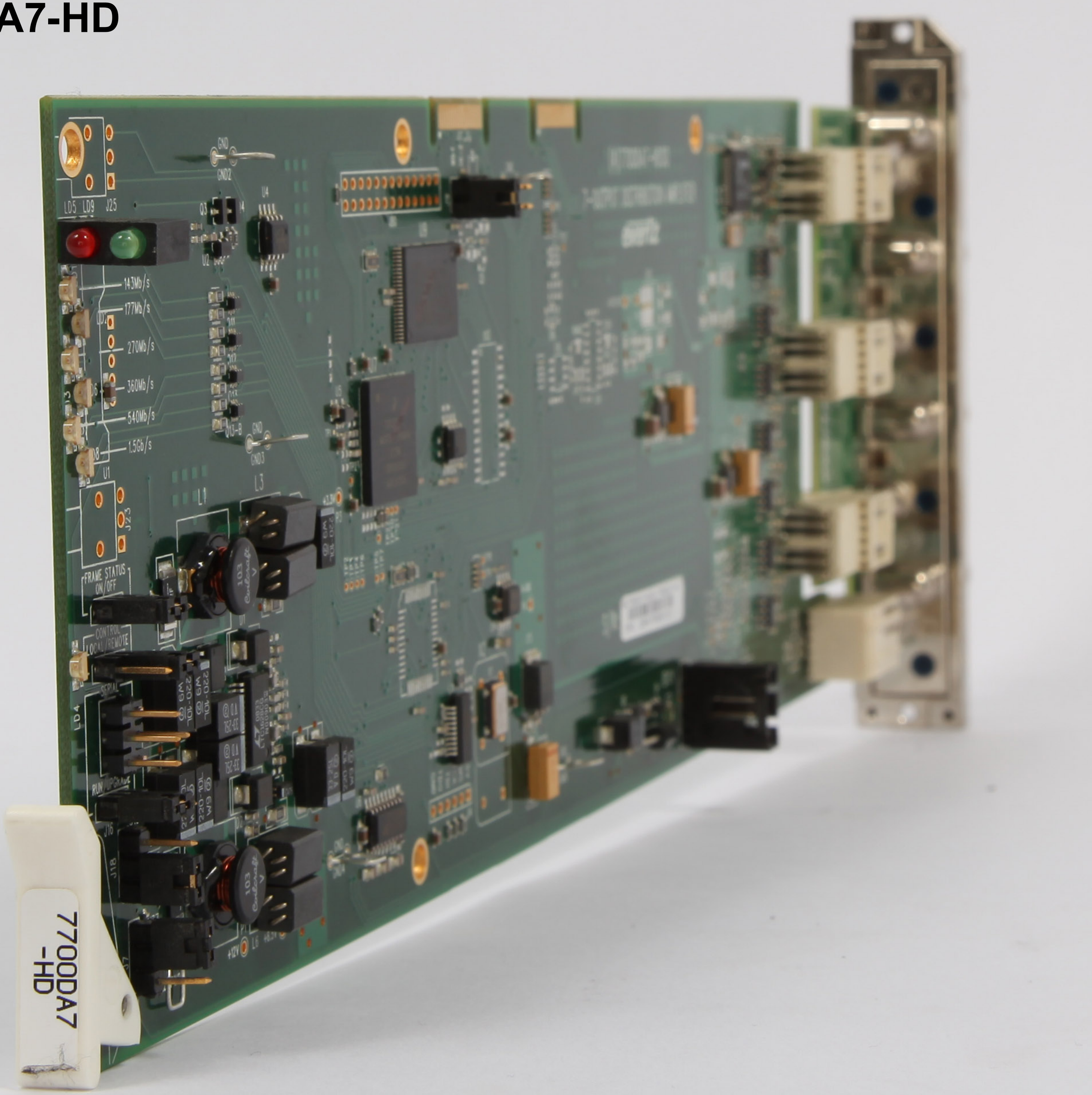
# 7700DA7-HD



Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

IM160538

# 7700DA7-HD



IM160538

# 7700DA7-HD

everlz

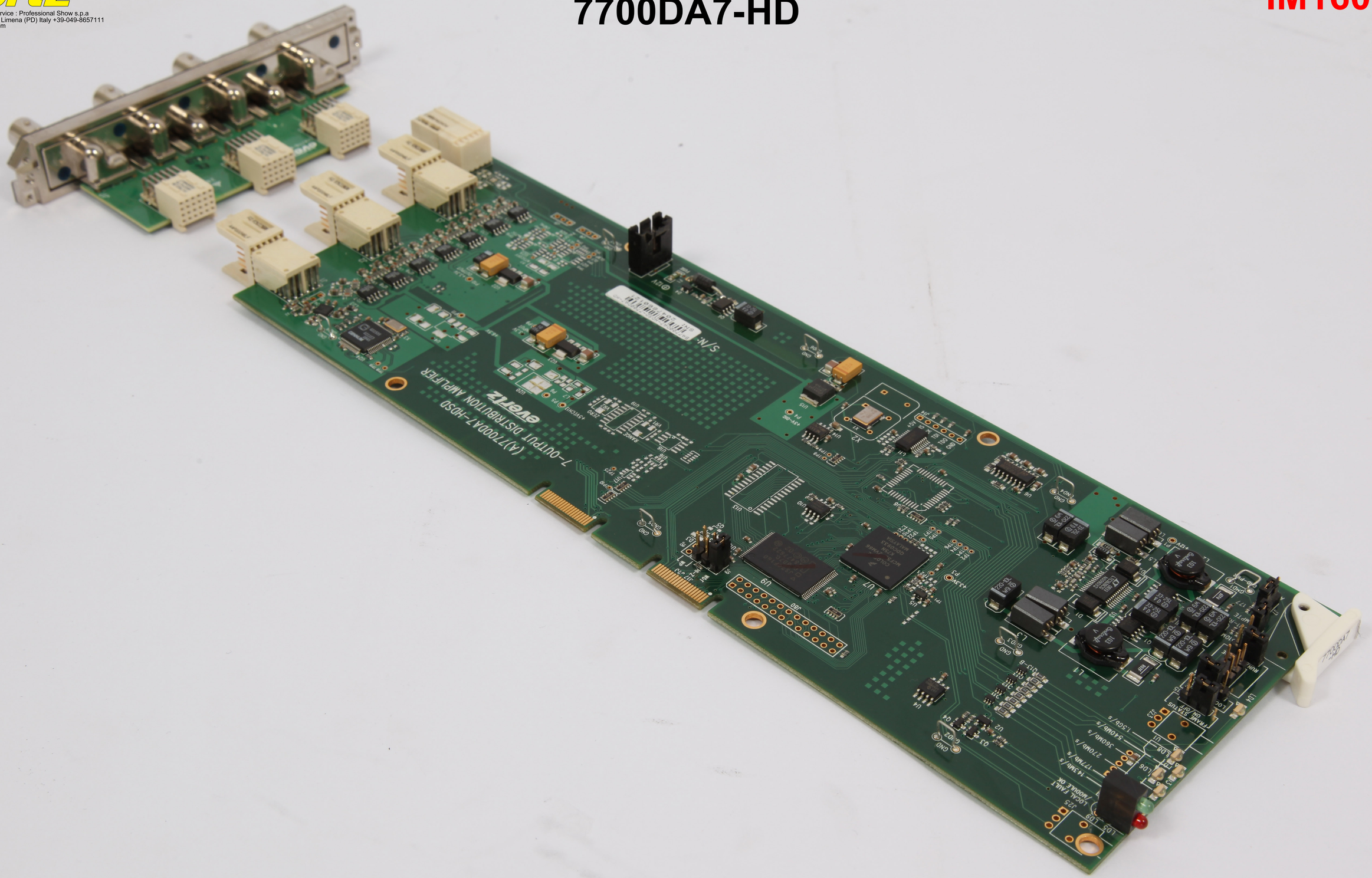
Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

IM160538

Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

# 7700DA7-HD

Italian Distribution and Service : Professional Show s.p.a
Via Praimbole 15 - 35010 Limena (PD) Italy +39-049-8657111
www.professionalshow.com

# 7700DA7-HD

IM160538