

# HXETR / XETR

The new generation of NEXUS-AES3 cards



- The latest generation of AES3 interface boards
- 4 to 8 bidirectional AES3 signals
- Cost-effective due to high packing density

XETR and HXETR constitute a new generation of AES3 interface boards for NEXUS systems. For the first time, AES3 inputs and outputs are combined on one NEXUS card.

XETR can process four bidirectional AES3 signals, provides sample rate converters on all inputs and outputs, and comes with either XLR or BNC connectors. XETR can also operate as an input or output only card.

With 8 bidirectional AES3 signals, HXETR has twice the capacity of XETR. It is ideal for fixed installations and is supplied with either D-Sub 25 or RJ45 connectors.



**NEXUS** Digital Audio Routing and Interconnect System

# HXETR / XETR

## Overview

| Specifications                                        | XETR                                                   | HXETR                                                  |
|-------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Audio Channels                                        | 8                                                      | 16                                                     |
| Bidirectional                                         | yes                                                    |                                                        |
| Input frequencies                                     | 32 kHz - 192 kHz                                       |                                                        |
| Output Frequencies                                    | 44,1/48 kHz, 88,2/96 kHz, 176,4/192 kHz                | 44,1/48 kHz, 88.2/96 kHz<br>(NEXUS system frequencies) |
| Sample rate converter                                 | input and output sides                                 | input side only                                        |
| Gain on all input and output channels                 | separately adjustable: mute to +20dB                   |                                                        |
| Transparent transmission of AES user data bits (CUVZ) | yes                                                    |                                                        |
| XCPU test signal generator                            | yes                                                    |                                                        |
| Available I/O connectors                              | XLR + BNC                                              | AES59 + RJ45 compliant D-Sub25                         |
| FPGA firmware updatable via XCPU                      | yes                                                    |                                                        |
| Inputs as sync source for XCPU                        | yes                                                    |                                                        |
| Synchronisation of an output to the matched input     | yes                                                    | no                                                     |
| Complies with the following standards                 | AES3-1992r (1997), IEC 60958, EIAJ CP-1201, AES11-1997 |                                                        |
| Dimensions                                            | 355 mm x 128 mm<br>8HP (XLR) bzw. 4HP (BNC)            | 355 mm x 128 mm<br>4HP                                 |
| Weight                                                | ca. 280 g                                              | ca. 250 g                                              |

| Specifications        | Parameter                      | Unit | Min. | Type | Max. | Note              |
|-----------------------|--------------------------------|------|------|------|------|-------------------|
| General information   | Voltage                        | V    |      | 5    |      |                   |
|                       | Current                        | mA   |      | 380  |      | @48 kHz, SRCs off |
|                       |                                |      |      | 500  |      | @48 kHz, SRCs off |
|                       |                                |      |      | 600  |      | @48 kHz, SRCs off |
|                       |                                |      |      | 700  |      | @48 kHz, SRCs off |
|                       | Temperature range              | °C   | 0    |      | 70   |                   |
| Outputs               | Differential Output Voltage    | V    |      | 3,3  |      |                   |
|                       | Output Impedance               | Ohm  |      | 110  |      |                   |
|                       | Recommended Cable Length       | m    | 0    |      | 100  |                   |
| Inputs                | Sample Rate                    | kHz  | 30   |      | 200  |                   |
|                       | Differential Input Sensitivity | mV   |      | 150  | 200  |                   |
|                       | Input Impedance                | Ohm  |      | 110  |      |                   |
|                       | Recommended Cable Length       | m    | 0    |      | 100  |                   |
| Sample Rate Converter | THD+N                          | dB   | -140 | -130 | -115 |                   |
|                       | Delay                          | ms   |      | 1,2  |      |                   |
|                       | Sample Rate                    | kHz  | 30   |      | 200  |                   |

Stage Tec  
 Entwicklungsgesellschaft für professionelle Audiotechnik GmbH  
 Tabbertstraße 10-11  
 12459 Berlin/Germany  
[www.stagetec.com](http://www.stagetec.com)

