

## V6333

### HD/SD Audio Multiplexer



#### FEATURES

- Automatic for HD-SDI or SD-SDI inputs
- 4 or 8 AES input versions
- 24 Bit AES multiplexing
- Input Rate Converters with independent bypass
- Dolby E, Dolby® Digital compatible

The V6333 is a digital audio HD/SD-SDI multiplexer. Operation is fully automatic with respect to the HD or SD-SDI input. Two versions are available for either 4 or 8 AES inputs. Each version has two rear module options. Option 1 has D type connectors for balanced or unbalanced AES connections and option 2 has BNC connectors for unbalanced AES connections. The BNC option for the 8 AES input version is a dual width rear module. Both V6333 versions implement full 24 bit AES synchronous or asynchronous multiplexing. All AES inputs include rate converters to allow asynchronous PCM AES inputs to be clock locked to the HD/SD-SDI input if required. Each of these can be independently disabled to permit 'bit for bit' multiplexing of non PCM AES streams such as Dolby E and Dolby Digital.

# Technical Specification

<b>Serial Inputs</b>	2 (Switchable)
Standards	SMPTE 259M (SD), SMPTE 292M (HD)
Multiplexing	SMPTE 272M (SD), SMPTE 299M (HD)
Line/field rates	1080i @ 50Hz, 1080i @ 59.94Hz 720p @ 50Hz, 720p @ 59.94Hz 576i/50Hz, 480i/59.94Hz
Detection	Automatic
Connector	BNC
Impedance	75 ohm
Return loss	>15dB, 5MHz - 1.5GHz
Cable equalisation SD-SDI	Automatic 0-200m @ 270Mb/s (Belden 8281)
Cable equalisation HD-SDI	Automatic 0-100m @ 1.485Gb/s (Belden 1694)

**Serial Outputs** 2 (Processed + 1 Active Looped from input)

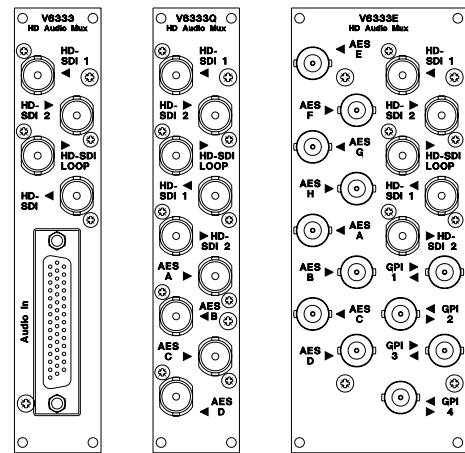
Standards	As inputs
Line/field rates	As inputs
Connectors	BNC
Impedance	75 ohm
Return loss	>15dB, 5MHz - 1.5GHz
Cable drive SD-SDI	200m @ 270Mb/s (Belden 8281)
Cable drive HD-SDI	100m @ 1.485Gb/s (Belden 1694)

**AES Inputs** 4 or 8

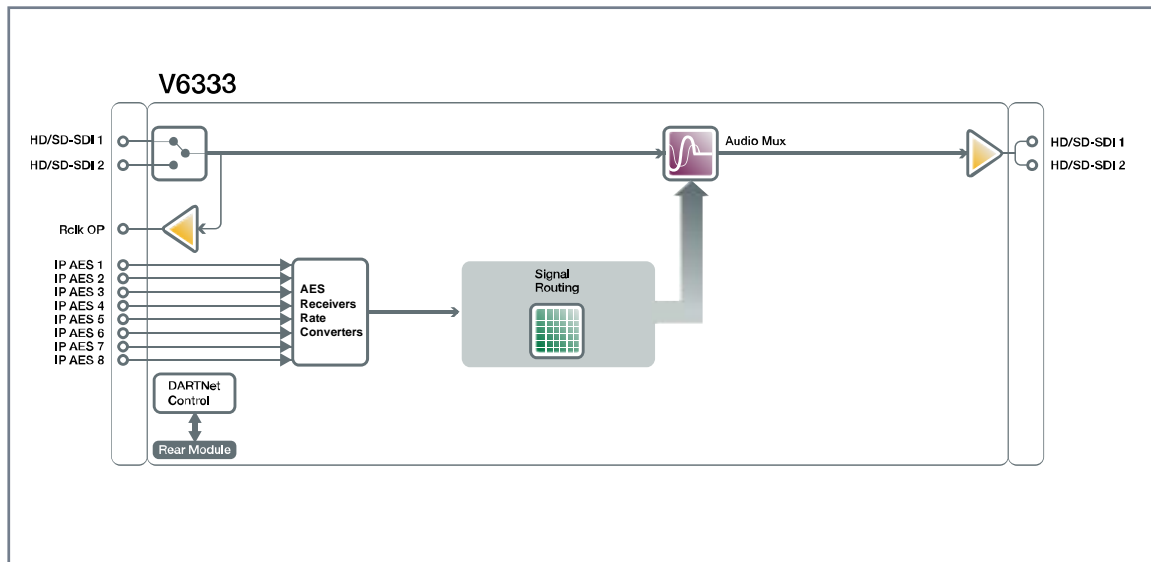
Sampling	48KHz, 44.1KHz, 32KHz
Format	AES-3
Processing	24 Bit
Connector	HD D Type (26 way) or BNC
Impedance	110 ohm balanced, 75 ohm unbalanced
Cable Equalisation	Up to 250m

## Ordering Information

V6333Q/D	HD/SD 4 AES input MUX
V6333E/D	HD/SD 8 AES input MUX
V16AR3AE	3RU - High Density D connector for AES inputs (balanced or unbalanced) Use with V6333Q or V6333E/D
V16AR3AG	3RU - BNC connectors for AES inputs (unbalanced) Use with V6333Q
V16AR3AF	3RU - BNC connectors for 8 AES inputs (unbalanced). Dual width rear module Use with V6333E



V16AR3AE      V16AR3AG      V16AR3AF



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