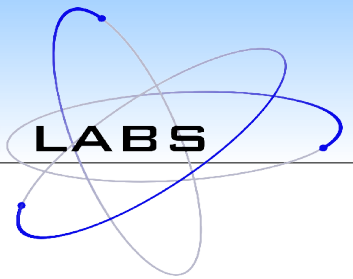


Blue|328

Digital Audio Mixer

RENEGADE LABS



The Blue|328 is a versatile digital audio mixer developed by Renegade Labs to specifically address the audio needs of video professionals. This very compact, eight bus, 32 input capable mixer delivers a wealth of features including EQ and dynamics with a simple user interface. NLE edit suites, Telecine bays, Mobile Trucks, and similar applications benefit greatly from the capabilities provided by the Blue|328.

Surround Sound monitoring is a breeze with the 8 channel monitor section. These extensive monitoring capabilities include standard mono, 2-channel, 4-channel, 8-channel, 3 pre-set Surround modes, plus the ability to save and recall user defined monitor setups, specific to an application or session.

Providing the flexibility to handle multiple professional audio formats is an important consideration. The Blue|328 will accept either analog, AES, or SD/HD SDI. The base system includes 8 channels of both AES and analog output. Eight optional channels of output are also available in either analog or AES format.



- **Small Footprint** –uses less valuable space than other audio mixers – only 11.1" x 12.73" x7.1" (28.19 x 32.3 x 18.14cm)
- **48kHz, 96kHz, or 192kHz Sample Rates**
- **Flexible Routing** – Any Input to Any Output
- **Pan Knob on Each Stereo Fader** – with easy to find center detent
- **Master Monitor Volume Knob** – with easy to read LED Unity indicator
- **Unity Indicator on Each Fader** – Instantly KNOW your audio level is at Unity for Clean Feed, or for creating dubs
- **200 Memory Registers** – Quickly Save/Recall Panel Snapshots for specific sophisticated settings
- **8x8 Monitor Matrix** – Fully configurable with built-in Surround Modes & user definable setups
- **Headphone Jack** – Front mounted 1/4" jack with separate output matrix and level control
- **Digital Audio Delay** – Allows for accurate correction of lip sync errors
- **Handle multiple professional audio input formats** – Analog with or without mic, AES with or without SRC, SD and HD SDI
- **Shallow menu tree** – most functionality is accessed in two levels or less
- **Master Fader** – Quickly control the level of all eight Program bus outputs
- **Keep your audio in the Digital Domain** – just as you do with the video
- **Dynamics** – Sixteen channels of compressor, limiter and expander
- **3 Band Parametric EQ** – Adjustable, with Notch Filters
- **Output Configuration** – Outputs can be configured for Program, Monitor, or Meter
- **Compact Flash** – For simple software updates in the field
- **Record Returns** – Designate inputs as returns for monitoring conformance, w/out using faders
- **9 Long-throw 100mm Faders** for Smooth Fades

Blue|328 SPECIFICATIONS

GENERAL

AUDIO INPUTS:	4 input slots, 32 channels max
Digital:	AES3id, SDI
Analog:	Balanced Line Level Mic Level
AUDIO OUTPUTS:	
AES:	4 AES3id
Analog:	8 Balanced Analog, 1 Stereo Headphone
Optional:	1 Optional output slot (8 channels), can be configured as Analog or Digital, switchable between Program, Meter, or Monitor outputs
EQUALIZER:	3-band Parametric w/notches
DYNAMICS:	Compressor/Limiter/Expander
AUDIO DELAY:	16 Video Frames per input maximum @ 48kHz
TONE GENERATOR:	Internal, 1kHz
PHASE REVERSAL:	180° switchable on left input of pair
SAMPLE RATE:	48kHz/96kHz/192kHz
TIMING INPUT:	
Video Sync:	NTSC(29.97fps), PAL(25fps), HDTV (60Hz, 59.94Hz, 48Hz, 48/1.001Hz, 25fps, 24fps, 24/1.001Hz)
Audio Sync:	AES3id
SETUP REGISTERS:	200 User Programmable, transferable via Ethernet
METERS:	
Standard:	Internal, Proprietary
Optional:	Customer-supplied w/Optional Output Module External Meter I/F (not yet available)

POWER

Voltage Requirements:	100-240VAC
Frequency:	50-60Hz
Power Consumption:	60 Watts
Operating Temperature:	10-40° Centigrade

CONNECTIONS

INPUTS:	
Analog Line Level:	15-pin D-Sub Breakout
Analog Microphone:	XLR
AES Digital:	BNC
SDI Digital:	BNC
Sync:	BNC
OUTPUTS:	
Analog:	25-pin D-Sub Breakout
AES Digital:	BNC
Headphone:	Stereo Phone Jack (TRS), 1/4"
Meter:	RJ-11
INTERFACE:	
Ethernet (TCP/IP):	RJ-45

Information and Specifications Subject to Change
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PERFORMANCE

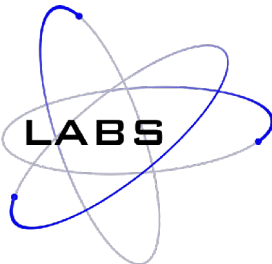
ACCURACY:	64-bit Floating Point Internal 24-bit I/O
DIGITAL AES OUTPUTS:	
Number:	4 AES pairs (8 channels)
Format:	AES3id (24 bit)
Impedance:	75Ω unbalanced
Sample Rate:	48kHz/96kHz/192kHz
ANALOG OUTPUTS:	
Number:	8 Line Level
Dynamic Range:	> 102dB (>105dB Optional Out)
Coupling:	DC Active – Balanced
Source Impedance:	< 30Ω
Frequency range:	20 – 20kHz (+/- .1dB)
Level:	+22dBu into 600Ω
DIGITAL AES INPUTS (OPTIONAL):	
Number:	4 AES pairs (8 channels)
Format:	AES3id (24 bit)
Impedance:	75Ω unbalanced
Sample Rate:	48kHz/96kHz/192kHz (32kHz – 192kHz with optional sample rate converter)
ANALOG INPUTS (OPTIONAL):	
Number:	4 Line Level 2 Microphone (optional)
Dynamic Range:	> 100dB
Impedance:	>10kΩ bridging or terminating
Frequency range:	20 – 20kHz (+/- .1dB)
Nominal gain range:	-22dBu – +10dBu
MICROPHONE INPUTS (OPTIONAL):	
Number:	2
Dynamic Range:	> 100dB
Impedance:	>10kΩ bridging or terminating
Frequency range:	20 – 20kHz (+/- .1dB)
Microphone gain range:	-62dBu – -15dBu
Phantom Power:	48V, switchable
DIGITAL SDI INPUT (OPTIONAL):	
Number:	1 SDI input, 8 channels audio selectable from audio groups 1 – 4
Format:	SD or HD, auto-detection
Impedance:	75Ω unbalanced
Mixer Sample Rate:	(SRC bypass) 48kHz Only (SDI Locked) (SRC enabled) 48kHz/96kHz/192kHz (SDI Locked or Unlocked)

PHYSICAL DIMENSIONS

Width: 11.1" (28.19cm)	Height (Front): 1.4" (3.56cm)
Depth: 12.73" (32.3cm)	Height (Rear): 7.14" (18.14cm)
Weight (fully optioned, includes Power supply): 11 pounds (5 kilograms)	



RENEGADE LABS



Get more Info • Where to Buy

<http://www.renegadelabs.com/>

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