

# TASCAM®

8ch Mic Preamplifier with Analog Compressor

## SERIES 8p Dyna



Employing high performance HDIA Mic Preamplifier for natural and transparent sound, as S/MUX, D-sub and TRS outputs fit any applications like studio and stage

# 8ch Mic Preamplifier

supporting "TRUE BYPASS"  
with Analog Compressor

Our best  
Mic Preamps architecture  
TASCAM HDIA

x 8

MIC/LINE  
Balanced Combo

x 2 Inputs  
on front

INSTRUMENT  
Unbalanced Combo

x 2 Inputs  
on front

MIC/LINE  
Balanced Combo

x 6 Inputs  
on rear

+48V  
Individual  
Switches

LINE  
TRS Balanced

x 8 Outputs

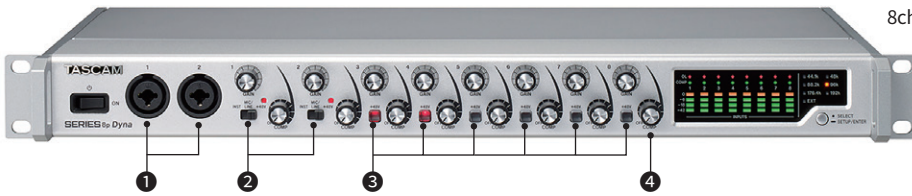
S/MUX  
Optical Digital

x 2 Outputs

D-sub  
25 pin 8-analog

x 1 Output

WORD Sync  
In/Out/Thru



8ch Mic Preamplifier with Analog Compressor

## SERIES 8p Dyna



- ① MIC/LINE/INST inputs (XLR/TRS-combo)
- ② INST/MIC/LINE/+48V switch
- ③ +48V Phantom switch
- ④ 1-knob analog compressor
- ⑤ S/MUX outputs (optical digital)
- ⑥ WORD IN/OUT terminals (BNC)
- ⑦ Analog output (D-sub 25pin)
- ⑧ LINE outputs (TRS balanced)
- ⑨ MIC/LINE inputs (XLR/TRS-combo)

### A Mic-preamplifier in TASCAM's all-new audio interface range

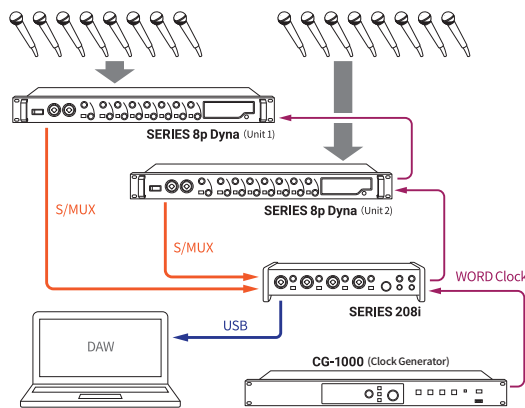
With superb audio specifications and connectivity and featuring an outstanding microphone preamp, the TASCAM SERIES 8p Dyna is a great choice for both studio and stage. Housed in a rugged 1U rack-mount casing, its dual S/MUX optical ports make it a perfect expansion unit for a TASCAM SERIES 102i or 208i or other S/MUX-equipped audio interfaces including ADAT, or use it as a stand-alone front end. Each SERIES 8p Dyna channel also features individually switched +48V phantom power for use with condenser mics, and an easy-to-use, single-control analog compressor with true bypass.

### Main Features

- Built-in TASCAM HDIA mic preamps achieving EIN -127dBu\*<sup>1</sup>
  - 1-knob analog compressor with "TRUE BYPASS"
  - Front MIC/LINE/INST inputs via XLR/TRS-combo terminals
  - Rear MIC/LINE inputs via XLR/TRS-combo terminals
  - Individually switched +48V phantom power per channel
  - Two S/MUX optical digital output terminals at 96kHz
  - Two S/MUX optical digital output terminals at 176.4k/192kHz
  - Balanced analog outputs via 1/4 inch TRS terminals
  - 8-analog outputs via D-sub 25 pin connector
  - WORD IN/OUT/THRU terminals for daisy-chain connection
  - Indicators for improved operability
- |                           |
|---------------------------|
| 8 ch                      |
| 8 IN                      |
| 2 ch                      |
| 6 ch                      |
| 8 IN                      |
| 8 ch                      |
| 4 ch                      |
| 8 ch                      |
| 1                         |
| Supported                 |
| Over-load                 |
| Compressor Gain Reduction |
| Level Meters              |
| Sample-clock Frequency    |

### System Applications

The SERIES 8p Dyna can be deployed as an extension unit of audio interface that supports S/MUX and ADAT interfaces. Dedicating two S/MUX channels, the SERIES 8p Dyna delivers its all 8-channel input signals at 96kHz if sampling frequency.\*<sup>2</sup> As number of input channel increases, multiple SERIES 8p Dyna units can be also deployed\*<sup>3</sup> by maintaining clock sync on each unit.



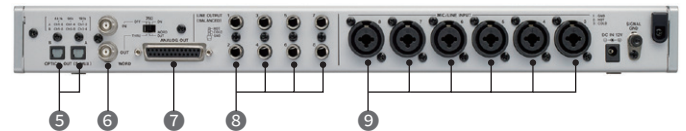
### Related Products

- **SERIES 102i** 10 In / 2 Out Audio/MIDI Interface
- **SERIES 208i** 20 In / 8 Out Audio/MIDI Interface
- **Celestonic US-20x20** 20 In / 20 Out Audio/MIDI Interface with Mic-pre and Mixer
- **ML-16D** 16ch Analog/Dante Converter
- **ML-32D** 32ch Analog/Dante Converter

More information including introductory movies on the SERIES 8p Dyna and related products are available on TASCAM web site by reading the QR code on the right.



### Rear Panel



### Specifications

Supported Formats	
Sampling Frequency:	44.1k/48k/88.2k/96k/176.4k/192kHz
Bit-depth:	24bit
Analog Audio Inputs	
Mic In (Balanced)	1-2 / 3-8 (XLR-3-31, 1: GND, 2: HOT, 3: COLD)
Instrument In (Unbalanced)	1-2 (1/4" (6.3mm), TS jack T: HOT, S: GND)
Line In (Balanced)	1-2 / 3-8 (1/4" (6.3mm), TRS jack T: HOT, R: COLD, S: GND)
Analog Outputs	
Line Out	ANALOG OUT (D-sub 25pin)
Line Out (Balanced)	1-8 (1/4" (6.3mm), TRS jack T: HOT, R: COLD, S: GND)
Digital Audio Output	
OPTICAL (S/MUX)	OPTICAL OUT A/B (JEITA RC-5720C)
Signal Format:	Multi-channel Optical Format
WORD In/Out/Thru	
Connector:	BNC (OUT/THRU swichable)
Impedance:	75 ohms (±10%)
Power:	AC Adapter (PS-P1230), DC 12V
Power Consumption:	16W
Dimensions (W x H x D):	18.98" x 1.74" x 9.01" / 482 x 44.1 x 228.8 mm
Weight:	5.73 lbs. / 2.6 kg

### Audio Performance

Mic Amp EIN* <sup>1</sup> :	-127dBu or lower
Frequency Response* <sup>4</sup> :	
MIC/LINE to LINE OUT	20Hz to 40kHz (±0.5dB)
	40Hz to 80kHz (±5dB)
MIC/LINE to S/MUX	20Hz to 20kHz (±0.5dB, Fs 44.1k/48kHz)
	20Hz to 40kHz (±0.5dB, Fs 88.2k/96kHz)
	20Hz to 80kHz (±0.5dB, Fs 176.4k/192kHz)
S/N Ratio* <sup>6</sup> :	
MIC/LINE/INST to LINE OUT	116dB
MIC/LINE/INST (analog) to S/MUX	113dB (Fs 44.1kHz, Fs 48kHz)
	111dB (Fs 96kHz)
Distortion* <sup>6</sup> :	
MIC/LINE to LINE OUT	0.0007%
INST to LINE OUT	0.0009%
MIC/LINE/INST to S/MUX	0.001%
Crosstalk* <sup>7</sup> :	
MIC to LINEOUT	119dB
MIC to S/MUX	114dB

\*<sup>1</sup> Equivalent Input Noise \*<sup>2</sup> Supports up to 4ch inputs at 176.4k/192kHz \*<sup>3</sup> Supports up to 16ch inputs when connected to the SERIES 208i at 48kHz \*<sup>4</sup> JEITA \*<sup>5</sup> Gain knob at MIN position, JEITA \*<sup>6</sup> 1kHz Sine wave \*<sup>7</sup> 1kHz Sine wave, Gain knob at MIN position

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