

# IM8 Series

## Mixing Console



IM8-40

IM8-40

IM8-32

IM8-24

IM8-40 Rear Panel



*Solid performance and superior sound for professional mixing applications.*

- IM8-40: 40 mono + 4 stereo inputs/8 aux + 8 group + stereo + mono out buses.
- IM8-32: 32 mono + 4 stereo inputs/8 aux + 8 group + stereo + mono out buses.
- IM8-24: 24 mono + 4 stereo inputs/8 aux + 8 group + stereo + mono out buses.
- Professional build, features, and performance for serious live sound applications.
- Produced and assembled in Japan to exacting Yamaha quality control standards.
- Unique Yamaha one-knob compressor on all mono input channels facilitates dialing in optimum compression for just about any source.
- Comprehensive master section provides extensive signal routing and control versatility.
- Output matrix affords extra output flexibility, particularly for installations.
- Traditional Yamaha color-coded controls for easy identification and operation.
- USB audio I/O allows direct digital recording and playback with the supplied Cubase AI4 audio workstation software.
- External PW8 power supply maximizes console performance.
- Dual power supplies can be used for redundant failsafe operation.

### OPTIONS

#### PW8

Power Supply Unit



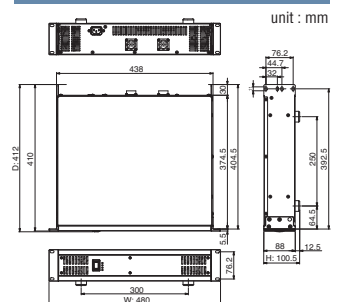
Rear Panel



#### GENERAL SPECIFICATIONS (PW8)

Power requirements	AC100V, 120V, 220V, 230V or 240V; 50/60Hz
Power consumption	Refer to each host product
Dimensions(W x H x D)	480 x 100.5 x 412mm (18.9" x 4.0" x 16.3")
Net weight	11.0kg (24.3lbs)

#### DIMENSIONS (PW8)



#### PSL1010

Power Supply Link Cable

#### LA1L

Gooseneck Lamp

# IM8 Series

## GENERAL SPECIFICATIONS

		IM8-40	IM8-32	IM8-24
I/O	Mic input	40	32	24
	Phantom power	+48V DC (each channel)		
	Line inputs	4x Stereo		
Mixing capability	Mixing channels	40 mono + 4 stereo	32 mono + 4 stereo	24 mono + 4 stereo
GROUP		8		
AUX		8		
MAIN		Stereo, Mono		
MATRIX		4		
Input channel functions		Compressor (Mic channel only), HPF (80Hz, 12dB/oct), 4-band mid-sweep PEQ (4-band PEQ for ST CH)		
Others		USB Audio I/O		
Total harmonic distortion		Less than 0.1% (20Hz to 20kHz)		
Frequency response		0, +1,-3dB (20Hz to 20kHz)		
Hum & noise level	Equivalent input noise	-128dBu		
	Residual noise	-98dBu		
Crosstalk		Less than -70dB		
Power requirements		Use PW8 power supply unit		
Power consumption		265W (Use with PW8)	230W (Use with PW8)	200W (Use with PW8)
Dimensions (W x H x D)		1716 x 219 x 739mm (67.6" x 8.7" x 29.1")	1471.5 x 219 x 739mm (58.0" x 8.7" x 29.1")	1227 x 219 x 739mm (48.4" x 8.7" x 29.1")
Net weight		51.5kg (113.5lbs)	44.4kg (98.1lbs)	37.8kg (83.5lbs)
Accessories		Owner's manual, Power Supply Link Cable (3m), Cubase AI 4		

## INPUT SPECIFICATIONS

Terminal	PAD	Actual Load Impedance	For Use With Nominal	Input Level			Connector
				Sensitivity	Nominal	Max. before Clip	
CH IN A [24ch:1-24 32ch:1-32 40ch:1-40]	0	3kΩ	50-600Ω Mics & 600ohm Lines	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	26dB			-36dBu	-16dBu	+4dBu	
				-54dBu	-34dBu	-14dBu	
CH IN B [24ch:1-24 32ch:1-32 40ch:1-40]	0	10kΩ	600Ω Mics & Lines	-80dBu	-60dBu	-40dBu	TRS Phone Jack*
	26dB			-36dBu	-16dBu	+4dBu	
				-54dBu	-34dBu	-14dBu	
ST CH LINE IN [1-4]		10kΩ		-10dBu	+10dBu	+30dBu	Phone Jack**, RCA Pin Jack**
				-54dBu	-34dBu	-14dBu	
CH INSERT IN [24ch:1-24 32ch:1-32 40ch:1-40]		10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	TRS Phone Jack**
MASTER INSERT IN (AUX, GROUP, ST, MONO)		10kΩ	600Ω Lines	-10dBu	0dBu	+10dBu	TRS Phone Jack**
RETURN [1-4]		10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	TRS Phone Jack**
2TR IN [L,R]		10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA Pin Jack**, 3.5 DIA Stereo Phone Jack**
TB IN		10kΩ	600Ω Lines	-66dBu	-50dBu	-30dBu	XLR-3-31 type**

0dBu = 0.775Vrms, 0dBV = 1Vrms

\*: balanced, \*\*: unbalanced

Sensitivity is the lowest level that will produce an output of +4dBu, or the nominal output level when the unit is set to maximum level.

## OUTPUT SPECIFICATIONS

Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
AUX SEND [1-8]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR-3-32 type*
GROUP OUT [1-8]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone Jack***
STEREO OUT [L, R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR-3-32 type*
MONO OUT	75Ω	600Ω Lines	+4dBu	+24dBu	XLR-3-32 type*
MATRIX OUT [1-4]	150Ω	10kΩ	+4dBu	+20dBu	TRS Phone Jack***
CH INSERT OUT	150Ω	10kΩ	0dBu	+20dBu	TRS Phone Jack**
MASTER INSERT OUT (AUX, GROUP, ST, MONO)	150Ω	10kΩ	0dBu	+20dBu	TRS Phone Jack**
DIRECT OUT (Mono CH IN)	150Ω	10Ω	0dBu	+20dBu	TRS Phone Jack***
REC OUT [L, R]	600Ω	10kΩ	-10dBV	+10dBV	RCA Pin Jack**
MONITOR OUT [L, R]	150Ω	10kΩ	+4dBu	+20dBu	TRS Phone Jack***
PHONES OUT x 3	100Ω	40Ω phones	3mW	75mW	Stereo phone jack**

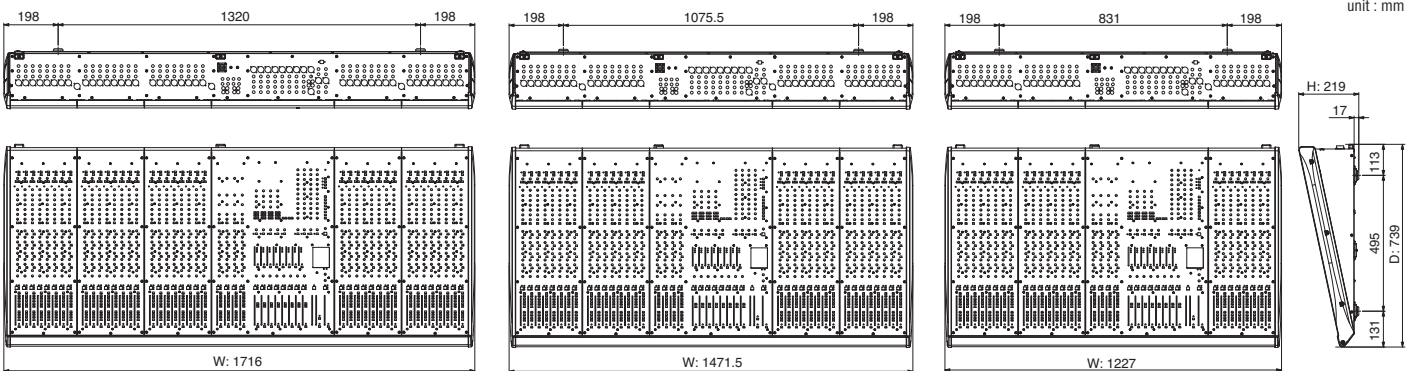
0dBu = 0.775Vrms, 0dBV = 1Vrms

\*\*: Balanced, \*\*: Unbalanced, \*\*\*: Impedance balanced

## DIGITAL AUDIO I/O SPECIFICATIONS

Terminal	Format	Connector
USB	USB AUDIO 1.1	USB B type

## DIMENSIONS



IM8-40

IM8-32

IM8-24

