

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

2U

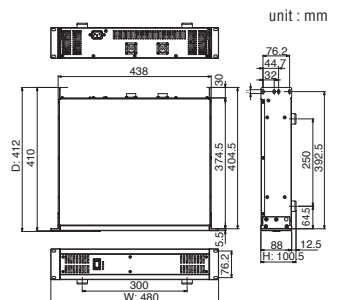


Rear Panel

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

Frequency response	+1, -3dB 20-20kHz @+4dBu 600Ω
Total harmonic distortion	Less than 0.1% (20Hz to 20kHz) @14dBu 600Ω
Hum & noise level (20Hz to 20kHz, Rs=150Ω, Input Gain=Max, Input Pad=0dB, Input Sensitivity=60dB)	-128dBu Equivalent Input Noise -98dBu residual output noise
Crosstalk (@1kHz)	Less than -70dB
Phantom Power	+48V
Input Equalization	HIGH:±15dB (10kHz shelving) HI-MID:±15dB (400Hz-8kHz peaking) LO-MID:±15dB (80Hz-1.6kHz peaking) LOW:±15dB (100Hz shelving)
LED Level Meter	4x12 points LED meters
Power requirements	Use PW8 power supply unit
Power consumption (Use with PW8)	IMX8-40: 265W IMX8-32: 230W IMX8-24: 200W
Dimensions (W x H x D)	IMX8-40: 1716 x 219 x 739mm (67.6" x 8.7" x 29.1") IMX8-32: 1471.5 x 219 x 739mm (58.0" x 8.7" x 29.1") IMX8-24: 1227 x 219 x 739mm (48.4" x 8.7" x 29.1")
Weight	IMX8-40: 51.5kg (113.5lbs) IMX8-32: 44.5kg (98.1lbs) IMX8-24: 37.5kg (82.7lbs)
Accessories	Owner's manual, Power Supply Link Cable (3m), Cubase AI 4

ANALOG INPUT SPECIFICATIONS

Input terminal	PAD	GAIN	Actual source 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	-60dB -16dB	3kΩ	50-600Ω Mics & 600Ω Lines	-80dBu	-60dBu	-40dBu	XLR3-31 type*
	26	-34dB +10dB			-36dBu	-16dBu	+4dBu	
CH IN B [24ch:1-24 32ch:1-32 40ch:1-40]	0	-60dB -16dB	10kΩ	600Ω Mics & Lines	-80dBu	-60dBu	-40dBu	TRS Phone Jack*
	26	-34dB +10dB			-36dBu	-16dBu	+4dBu	
ST CH LINE IN 1-4		-34dB +10dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone Jack**
CH INSERT IN [24ch:1-24, 32ch:1-32, 40ch:1-40]			10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	RCA Pin Jack**
MASTER INSERT IN (AUX, GROUP, ST, MONO)			10kΩ	600Ω Lines	-10dBu	0dBu	+10dBu	TRS Phone Jack**
RETURN [L,R]			10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	Phone Jack**
2TR IN [L,R]			10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA Pin Jack** 3.5 DIA Stereo Phone Jack**
TB IN			3kΩ	600Ω Lines	-66dBu	-50dBu	-30dBu	XLR3-31 type**

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.

ANALOG OUTPUT SPECIFICATIONS

Output terminal	Actual source impedance	For use with nominal	Output terminals		Connector
			Nominal	Max. before clip	
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR3-32 type*
GROUP OUT [1-8]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone Jack***
AUX SEND [1-8]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR3-32 type*
MATRIX OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone Jack***
MONO OUT	75Ω	600Ω Lines	+4dBu	+24dBu	XLR3-32 type*
CH INSERT OUT(MONO OUT)	150Ω	10kΩ Lines	+0dBu	+20dBu	TRS Phone Jack**
MASTER INSERT OUT	150Ω	10kΩ Lines	+0dBu	+20dBu	TRS Phone Jack**
DIRECT OUT (MONO CH)	150Ω	10kΩ Lines	+0dBu	+20dBu	TRS Phone Jack***
REC OUT [L,R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA Pin Jack**
MONITOR OUT [L,R]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone Jack**
PHONES OUT	100Ω	40Ω Phones	3mW	75mW	ST Phone Jack**

***: Impedance balanced

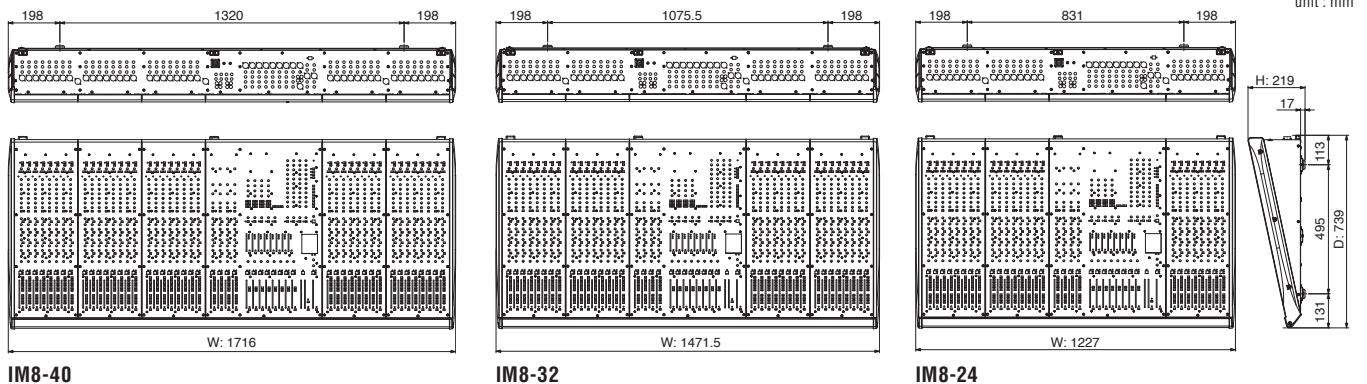
DIGITAL AUDIO I/O SPECIFICATIONS

Terminal	Format	Data length	Connector
USB	USB AUDIO 1.1	16bit	USB B type

CONTROL I/O SPECIFICATIONS

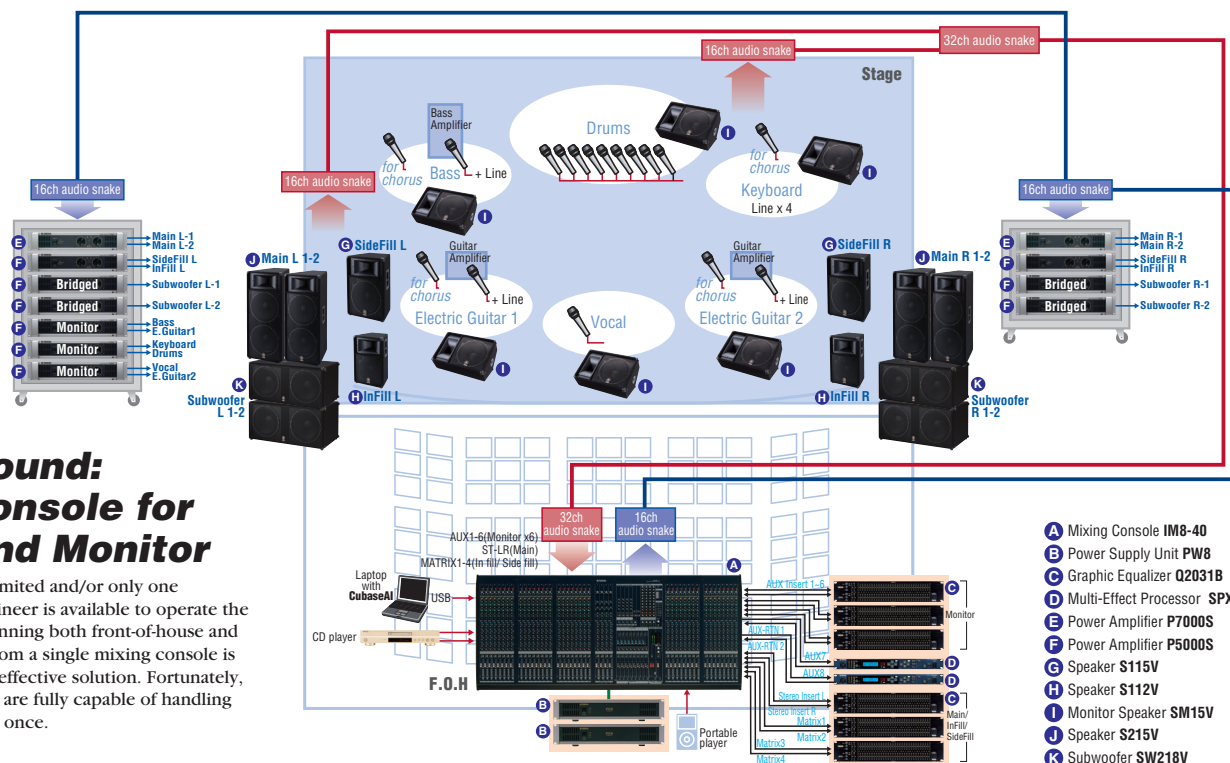
Terminal	Format	Level	Connector
LAMP	—	0-12V	XLR4-31 Type

DIMENSIONS





IM8 Applications



Multi-purpose Community Hall

Lectures, panel discussions, meetings, presentations ... community halls host a wide variety of events, and must have a flexible sound system in order to effectively accommodate them all. Here's an example of a system that would comfortably service a hall with a capacity of about 150 to 200.

