IM8 Series

Mixing Console

IM8-40

IM8-40

IM8-32

IM8-24

CUBASE AI4 1-knob Comp

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

PSL1010
Power Supply Link Cable

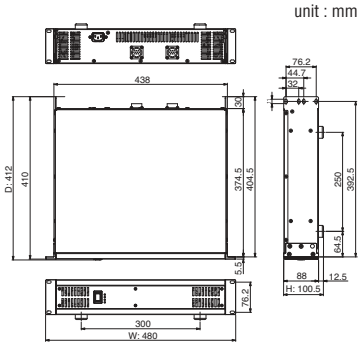
LA1L
Gooseneck Lamp

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)

unit : mm



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) @14dBu 600Ω		
Frequency response		0+1,-3dB 20Hz to 20kHz +4dB 600Ω		
Hum & noise level	Equivalent input noise	-128dBu		
	Residual noise	-98dBu		
Crosstalk		Less than -70dB @1kHz		
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)	44.5kg (98.1lbs)	37.5kg (82.7lbs)
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*
				-36dBu	-16dBu	+4dBu	
	26dB			-54dBu	-34dBu	-14dBu	
				-10dBu	+10dBu	+30dBu	
CH IN B [24ch:1-24 32ch:1-32 40ch:1-40]	0	10kΩ	600Ω Mics & Lines	-80dBu	-60dBu	-40dBu	TRS Phone Jack*
				-36dBu	-16dBu	+4dBu	
	26dB			-54dBu	-34dBu	-14dBu	
				-10dBu	+10dBu	+30dBu	
ST CH LINE IN [1-4]		10kΩ		-54dBu	-34dBu	-14dBu	Phone Jack** RCA Pin Jack**
				-10dBu	+10dBu	+30dBu	
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**

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**

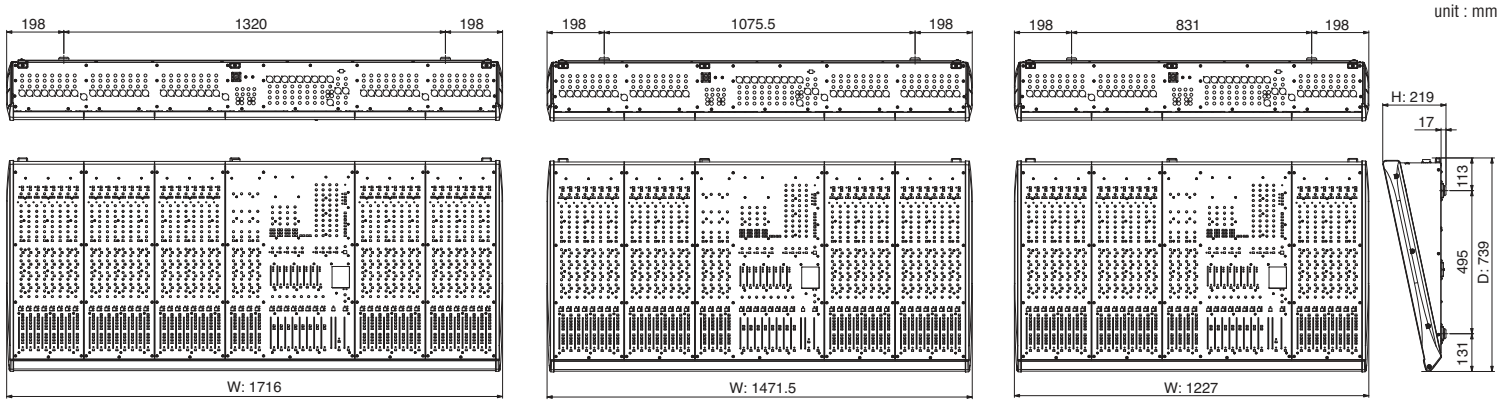
***: Impedance balanced

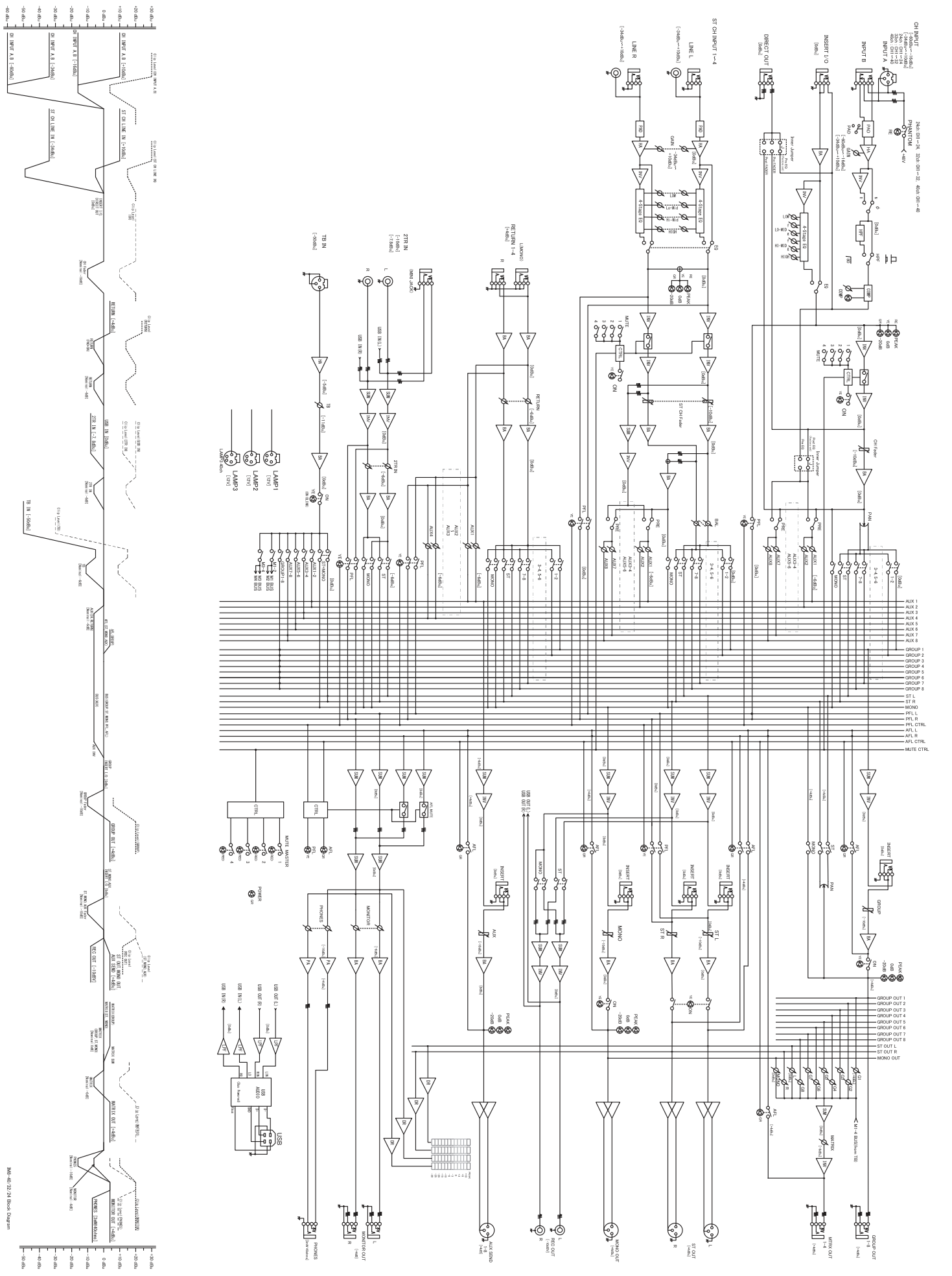
DIGITAL AUDIO I/O SPECIFICATIONS

Terminal	Format	Connector
USB	USB AUDIO 1.1	USB B type

DIMENSIONS

unit : mm



IM8-40 IM8-32 IM8-24

BLOCK & LEVEL DIAGRAM