Overview

A DM3 Dante-equipped compact digital mixing console features versatile capabilities and portability for a wide range of applications. Offering superb sound quality, fast and easy setup and operation, and professional-level features.

Features

- 8 + 1 fader configuration
- 9-inch multi-touch screen
- Input mixing channels: 16 mono + 1 stereo + 2 FX return
- Buses: 1 Stereo, 6 Mix, 2 FX, 2 Matrix (Supports Input to Matrix)
- Local I/O: 16 Mic/Line (12 XLR + 4 XLR/TRS Phones Combo) inputs, and 8 (XLR) outputs
- Dante: 16 inputs, and 16 outputs
- USB: 18 inputs, and 18 outputs
- 18 Effects, and GEQ on Mix 1-6 and Stereo channels
- Sampling rate: 48kHz/96kHz
- Intuitive user interface optimized for multi-touch screen operation.
- "QuickPro Presets™" provide instant access to pro sound setups.
- DAW Remote for smooth DAW operation with physical controllers
- Seamlessly integrated remote control and offline editing via DM3 Editor.
- Wireless remote control of a DM3 is possible via an iPad app.
- Individual wireless Mix/Matrix mixing can be simultaneously performed by up to 10 different iPad, iPhone, iPod touch, or Android devices.
- Direct 2-track recording to standard USB flash drives, or serious multitrack recording to a DAW via Dante or USB.
- Dimensions (W x H x D): 320 mm x 140 mm x 455 mm (12.6" x 5.6" x 18.0")
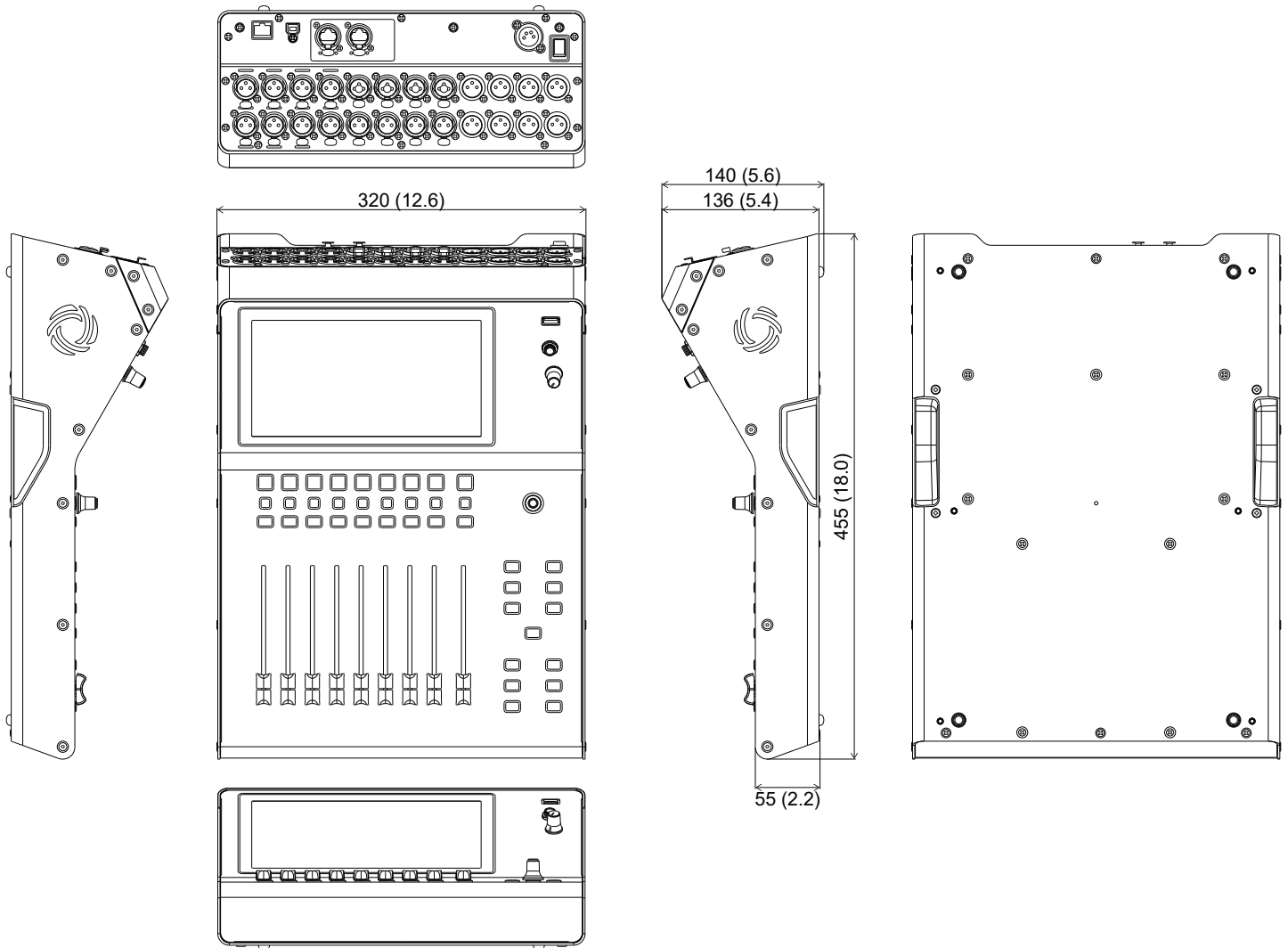- Net weight:6.5 kg (14.3lb)

Specifications

Functional Specifications

Mixing Capacity	Input Mixing Channels	16 mono, 1 stereo, 2 FX return		FX	Number of FXs	2
	Mix Buses	6			Number of FX Programs	18
	Matrices	2 (Input to Matrix supported)		GEQ	Available Channels	Stereo, MIX1-6
	Stereo Buses	1		Dante	Number of I/O Channels	16 in / 16 out
	FX Buses	2				
	Cue Buses	1			Dante Patch from Console	No
Local Connectors	Analog Input	16 mic/line (12 XLR + 4 XLR/TRS Phones Combo)				
				Recording	USB Memory Recording	Yes
	Analog Output	8 (XLR)			Multitrack Recording	Yes (via USB/Dante)
	Dante I/O	Primary / Secondary		Broadcast Functions	5.1 Surround Panning	No
	Expansion Slot	No			Surround Monitor	No
	Word Clock I/O	No			Mix Minus	No
	MIDI I/O	No (MIDI protocol supported)			L-Mono / R-Mono / LR-Mono	No
	GPI	No				
	USB	1 (File Save/Load, 2 Track Rec/Play)		Monitor	Solo Mode	No
	USB to Host	1 (18 in/18 out audio interface, MIDI)			Oscillator	Sine Wave / Pink Noise / Burst Noise
	Ethernet	Yes		Other Functions	Port to Port	No
	Foot Switch	No			GPI	No
	Phones	1			MIDI	Yes (USB MIDI)
	DC power IN	1 (XLR 4pin)			OSC Server	Yes
Scene Memory	Number of Scenes	200			Wireless Mic Monitoring	No
	Recall Safe	Yes				
	Focus Recall	No			DAW Remote	Yes
	Fade Time	Yes (0s ~ 60s)			RTA	Yes
	Preview	No			Output Port Delay	No
	Selective Load / Save	No			Cascade	No
	Global Paste	No			User Level	Yes
	Tactile Control Keys	No (on-screen)			Help File	No
Input Channel Functions	Gain Compensation	No		User Interface	Display	9-inch multi-touch screen
	Digital Gain	Yes (-24dB~ +24dB)			Faders	8 + 1
	HPF	20Hz ~ 600Hz			Channel Encoder	No
	PEQ	4 Band Full PEQ (RTA overlay support)			Channel Name / Color Display	Yes (On screen)
	Dynamics 1	Gate / Ducking				
	Dynamics 2	Comp			Custom Fader Banks	Yes
	Input Delay	Yes (0ms ~ 1000ms)			User Defined Keys	6
	Pan	Center Nominal			User Defined Knobs	No
	DCA Group	No			Touch and Turn Knob	Yes
	MUTE Group	6			Monitor Level Knob	No
	Number of Inserts	1 (V2.0 or later)			iPad Stay	No
	Direct Out	No			Rack-mounting	Yes
	Quick Pro Preset	Yes		Software	Editor	DM3 Editor
Output Channel Functions	PEQ	4 Band Full PEQ (RTA overlay support)			StageMix	DM3 StageMix
					MonitorMix	Yes
	GEQ	Yes			ProVisionaire Control/ Touch	Yes
	Dynamics 2	Compressor				
	Output Channel Delay	Yes (0ms ~ 1000ms)			Nuendo Live: Control integration	No
	MUTE Group	6				
	Number of Inserts	1 (V2.0 or later)			Console File Converter	No
	Quick Pro Preset	Yes				

Dimensions

Unit: mm (inch)

320 (12.6)

140 (5.6)
136 (5.4)

455 (18.0)

55 (2.2)

Options

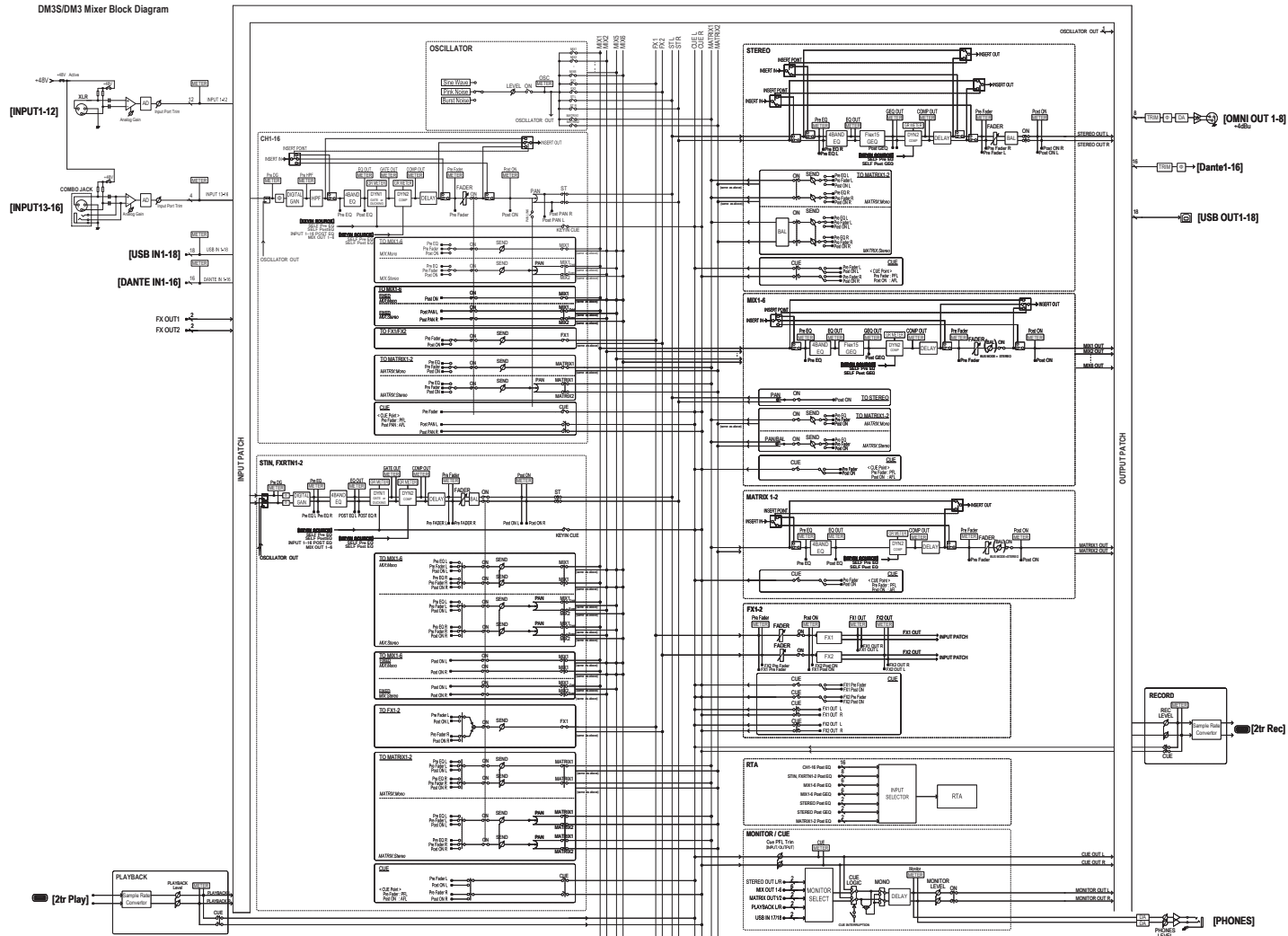|	
• Rack Mount Kit	RK-DM3
• I/O Rack	Tio1608-D
• I/O Rack	Tio1608-D2
• Powered Loudspeaker	DZR315-D / DZR315-DW
• Powered Loudspeaker	DZR15-D / DZR15-DW
• Powered Loudspeaker	DZR12-D / DZR12-DW
• Powered Loudspeaker	DZR10-D / DZR10-DW
• Powered Loudspeaker	DXS18XLF-D / DXS18XLF-DW
• Powered Loudspeaker	DXS15XLF-D / DXS15XLF-DW

Software

• DM3 Editor
• DM3 StageMix
• MonitorMix
• Cubase AI
• VST Rack Elements

Architectural and Engineering Specifications for DM3

The Yamaha DM3 digital mixing console shall be compact and versatile, suited to a variety of applications including live sound reinforcement, live streaming, corporate events, home or studio recording, and fixed installations. It shall be intuitive and easy to use, equipped with a 9-inch multi-touch screen and 8 + 1 faders. DM3 shall provide a mixing capacity of 16 mono and 1 stereo input channels, 2 stereo effects returns, 6 mix buses, 2 effects sends, 1 stereo bus and 2 matrix buses. It shall support the routing of input channels direct to matrix. The internal signal processing shall allow operation at sample rates of 96kHz and 48kHz. The rear panel shall include XLR connections for 16 mic/line inputs with recallable pre-amp settings, 4 of which are combined with TRS connections. It shall have 8 XLR connections for OMNI OUT. There shall be an RJ-45 connection for networking, USB-A for computer connection capable of 18 channel multi-track recording, and a 4-pin socket for 24V power supply. The rear panel Dante connections shall support 16 channels in and out for networking with various additional Dante devices. It shall include an AUTO SETUP feature for certain devices including Yamaha Tio1608-D2 i/o rack and DZR-D and DXS-XLF-D powered loudspeakers. On the top panel there shall be a USB-B socket for portable storage device capable of stereo audio recording and playback, and a ¼ inch TRS headphone socket. The top panel shall also feature a TOUCH AND TURN rotary encoder, 6 FADER BANK keys, a HOME key and 6 USER DEFINED KEYS. Above each of the 9 100mm motorized faders there shall be illuminated keys for ON, CUE and SEL. DM3 shall be compatible with a range of software applications including DM3 Editor, DM3 StageMix, MonitorMix and ProVisionaire, and it shall provide remote control capability for Digital Audio Workstation software such as Cubase and Nuendo. An optional rack-mount kit shall be available. Dimensions shall be 320 (W) x 140 (H) x 455 (D) mm, and weight shall be 6.5kg.

Block Diagrams

DM3S/DM3 Mixer Block Diagram

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