

TF5	TF3	TF1		
Outline				
Fader Configuration		32 + 1 (Master)	24 + 1 (Master)	16 + 1 (Master)
Mixing Capacity	Input Channels	48 (40 mono + 2 stereo + 2 return)	48 (40 mono + 2 stereo + 2 return)	40 (32 mono + 2 stereo + 2 return)
	Aux Buses	20 (8 mono + 6 stereo)	20 (8 mono + 6 stereo)	20 (8 mono + 6 stereo)
	Stereo Buses	1	1	1
	Sub Buses	1	1	1
Input channel functions		8 DCA Groups	8 DCA Groups	8 DCA Groups
I/O	Inputs	32 mic/line (XLR/TRS combo) + 2 stereo line (RCA pin)	24 mic/line (XLR/TRS combo) + 2 stereo line (RCA pin)	16 mic/line (XLR/TRS combo) + 2 stereo line (RCA pin)
	Outputs	16 (XLR)	16 (XLR)	16 (XLR)
	Expansion slots	1	1	1
On-board processors	DSP	8 Effects + 10 GEQ	8 Effects + 10 GEQ	8 Effects + 10 GEQ
General specifications				

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Sampling frequency rate	Internal	48 kHz	48 kHz	48 kHz
Signal delay		Less than 2.6 ms, INPUT to OMNI OUT, Fs=48 kHz	Less than 2.6 ms, INPUT to OMNI OUT, Fs=48 kHz	Less than 2.6 ms, INPUT to OMNI OUT, Fs=48 kHz
Fader		100 mm motorized, Resolution = 10-bit, +10 dB to -138 dB, -∞ dB all faders	100 mm motorized, Resolution = 10-bit, +10 dB to -138 dB, -∞ dB all faders	100 mm motorized, Resolution = 10-bit, +10 dB to -138 dB, -∞ dB all faders
Total harmonic distortion		Less than 0.05% 20 Hz–20 kHz @+4 dBu into 600 Ω , INPUT to OMNI OUT, Input Gain=Min. (Measured with a -18 dB/octave filter@80 kHz)	Less than 0.05% 20 Hz–20 kHz @+4 dBu into 600 Ω , INPUT to OMNI OUT, Input Gain=Min. (Measured with a -18 dB/octave filter@80 kHz)	Less than 0.05% 20 Hz–20 kHz @+4 dBu into 600 Ω , INPUT to OMNI OUT, Input Gain=Min. (Measured with a -18 dB/octave filter@80 kHz)
Frequency response		+0.5, -1.5 dB 20 Hz–20 kHz, refer to +4 dBu output @1kHz, INPUT to OMNI OUT	+0.5, -1.5 dB 20 Hz–20 kHz, refer to +4 dBu output @1kHz, INPUT to OMNI OUT	+0.5, -1.5 dB 20 Hz–20 kHz, refer to +4 dBu output @1kHz, INPUT to OMNI OUT
Dynamic range		110 dB typ., DA Converter, 107 dB typ., INPUT to OMNI OUT, Input Gain=Min.	110 dB typ., DA Converter, 107 dB typ., INPUT to OMNI OUT, Input Gain=Min.	110 dB typ., DA Converter, 107 dB typ., INPUT to OMNI OUT, Input Gain=Min.
Hum & noise level	Equivalent input noise	-128 dBu typ., Input Gain=Max. (Measured with an A-Weight filter)	-128 dBu typ., Input Gain=Max. (Measured with an A-Weight filter)	-128 dBu typ., Input Gain=Max. (Measured with an A-Weight filter)
	Residual output noise	-85 dBu, ST master off (Measured with an A-Weight filter)	-85 dBu, ST master off (Measured with an A-Weight filter)	-85 dBu, ST master off (Measured with an A-Weight filter)

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Crosstalk		-100 dB (Measured with a – 30 dB/octave filter@22 kHz), adjacent INPUT/OMNI OUT channels, Input Gain=Min.	-100 dB (Measured with a – 30 dB/octave filter@22 kHz), adjacent INPUT/OMNI OUT channels, Input Gain=Min.	-100 dB (Measured with a – 30 dB/octave filter@22 kHz), adjacent INPUT/OMNI OUT channels, Input Gain=Min.
Power requirements		100–240 V 50/60 Hz	100–240 V 50/60 Hz	100–240 V 50/60 Hz
Power consumption		120 W	110 W	100 W
Dimensions	W	866 mm (34.1in)	716 mm (28.2in)	510 mm (20.1in)
	H	225 mm (8.9in)	225 mm (8.9in)	225 mm (8.9in)
	D	599 mm (23.6in)	599 mm (23.6in)	599 mm (23.6in)
Net weight		20.0 kg (44.1lb)	17.0 kg (37.5lb)	13.5 kg (29.8lb)
Accessories		Quick Guide, Power Cord, Nuendo Live	Quick Guide, Power Cord, Nuendo Live	Quick Guide, Power Cord, Nuendo Live
Options		Expansion Card, Foot Switch (FC5)	Expansion Card, Foot Switch (FC5)	Rack-mount Kit RK5014, Expansion Card, Foot Switch (FC5)
Others		Operating temperature range: 0–40 °C, Storage temperature range: -20–60 °C	Operating temperature range: 0–40 °C, Storage temperature range: -20–60 °C	Operating temperature range: 0–40 °C, Storage temperature range: -20–60 °C