10. Specifications

Sampling Frequency	Internal Clock	48kHz
Signal Delays	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	
Frequency Response	+0.5, –1.5 dB 20 Hz–20 kHz, refer to +4 dBu output @1kHz, INPUT to OMNI OUT	
Total Harmonic Distortion*2	Less than 0.05% 20 Hz–20 kHz @+4 dBu into 600 Ω, INPUT to OMNI OUT, Input Gain=Min.	
Hum & Noise*3	–128 dBu typ., Equivalent Input Noise, Input Gain=Max., –85 dBu, Residual output noise, ST master off	
Dynamic Range	110 dB typ., DA Converter, 107 dB typ., INPUT to OMNI OUT, Input Gain=Min.	
Crosstalk@1 kHz	–100 dB*1, adjacent INPUT/OMNI OUT channels, Input Gain=Min.	
Dimensions (W x H x D) Net Weight	TF5: 866 mm × 225 mm × 599 mm, 20.0 kg TF3: 716mm × 225 mm × 599 mm, 17.0kg TF1: 510mm × 225 mm × 599 mm, 13.5kg	
Power Requirements (wattage)	TF5: 120W, TF3: 110W, TF1: 100W	
Power Requirements (voltage and hertz)	100–240 V 50/60 Hz	
Temperature Range	Operating temperature range: 0–40 °C Storage temperature range: -20–60 °C	
Included Accessories	Quick Guide, Power Cord	

*1. Crosstalk is measured with a –30 dB/octave filter@22 kHz.
*2. Total Harmonic Distortion is measured with a –18 dB/octave filter@80 kHz.
*3. Hum & Noise are measured with an A-Weight filter.

* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

Source code distribution

For three years after the final factory shipment, you may request from Yamaha the source code for any portions of the product which are licensed under the GNU General Public License/GNU Lesser General Public License/RealNetworks Public Source License by writing to the following address:

10-1 Nakazawa-cho, Naka-ku, Hamamatsu, 430-8650, JAPAN
Pro Audio Department, Yamaha Corporation

The source code will be provided at no charge; however, we may require you to reimburse Yamaha for the cost of delivering the source code to you. The source code can be downloaded by visiting the following URL:

http://www.yamahaproaudio.com/

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