MOSFET MOSFET AMPLIFICATION
For optimal performance, all Elite receivers are equipped with Pioneer’s exclusive Advanced Direct Energy (ADE) MOSFET power device, ideal for high-end audio. The combination of the device and a MOSFET-amplified module yields exceptional stability and ultra-linear amplification, combined with low noise. This along with a very energy-efficient design, maximizing power isolation that can cause unnecessary distortion in the signal path.

Idle Current (5% Duty Cycle) Change with Tone Burst Video Input.

AMPLIFICATION CAPACITORS
Active movies: Video games, live sports, rock concerts. They all have critical moments when things suddenly explode into the top audio market. When that happens, your receiver needs to have some power as muscle, or the impact is lost. For this reason, all Elite receivers utilize large, audiophile-quality electrolytic capacitor pairs and a heavy-duty power transformer, ensuring maximum performance during peak demand.

VSX-54TX T H X S e l e c t C e r t i f i e d 7.1 C h a n n e l A / V R e c e i v e r

- 116 Watts x 7 @ 8 Ohms
- Advanced Direct Energy MOSFET Amplification
- Symmetrical Power Train Design
- High-Regulation Type Large Transformers with Audiophile-Quality Capacitors (100mF x 2)
- THX Select Certified
- Dolby Digital EX & Pro-Logic IIx
- DTS ES / Neo/6
- AIR Studios Sound Tuning
- Advanced MCACC with Adjustable-Envelope EQ
- FC Connection via RS232C for MCACC
- 3-Oz Circle Display and Front-treat
- Advanced Cinema and Advanced Concert
- Virtual Surround Back
- Two Mitsubishi 48-bit D/A Digital Core Engine
- Universal Video Conversion
- On-Screen Display
- 12VDC / 24-Bit DAC (Delta sigma type)
- 15 All Inputs
- 3 Digital Inputs
- Wide-Band Component Video Inputs (2X 1080p)
- Multiple Room & Speaker, RS232C, 12V Trigger & IR Inputs
- 5.2 V for Easy Installation
- Versatile Speaker Configuration
- Banana Plug-Ready Speaker Terminals
- 3-D Space-Eave Construction
- Trans Stabilizer
- Learning Remote with Multi-Operation

VX-52TX T H X S e l e c t C e r t i f i e d 7.1 C h a n n e l A / V R e c e i v e r

- 110 Watts x 7 @ 8 Ohms
- Advanced Direct Energy MOSFET Amplification
- Symmetrical Power Train Design
- High-Regulation Type Large Transformers with Audiophile-Quality Capacitors (100mF x 2)
- THX Select Certified
- Dolby Digital EX & Pro-Logic IIx
- DTS ES / Neo/6
- Precision: Auto MCACC with Adjustable-Envelope EQ
- Advanced Cinema and Advanced Concert
- Virtual Surround Back
- Mitsubishi 48-bit D/A Digital Core Engine
- Universal Video Conversion
- On-Screen Display
- 12VDC / 24-Bit DAC (Delta sigma type)
- 8 All Inputs
- 1 Digital Inputs
- Wide-Band Component Video Input (2X 1080p)
- Multi Room & Speakers, RS232C, 12V Trigger & IR/10 Inputs
- Sit Two-Way Communication with Pioneer Plasma for Easy Installation
- Versatile Speaker Configuration
- Banana Plug-Ready Speaker Terminals
- 3-D Space-Eave Construction
- Trans Stabilizer
- LCD Learning Remote
- Powered System Remote

ADVANCED CONSTRUCTION TECHNIQUES
3-D SPACE FRAME AND ISOLATED CHAMBER
Unlike regular receiver 2-D chassis design, our revolutionary 3-D space frame construction provides superior physical strength. Also, each receiver is checked with isolated sealing tubes into three blocks: the digital processor, the power & preamplifier, and the power supply section. The construction design serves two purposes: it prevents the digital circuits from affecting the analog circuits, and it increases the rigidity of the cabinet structure. As a result, sound reproduction from any source is more accurate and imaging is improved.

3D Space Frame Construction

SYMMETRICAL POWER TRAIN DESIGN
Accurate multi-channel power reproduction is possible only when the operating environment is physically, magnetically, and structurally identical for all channels. For that reason, Elite receivers’ power output devices for each channel are symmetrically arranged on a pair of high-precision mica, with the device for the center channel mounted directly in between.