

Trion™ *Post*



Post Production Mixing Solution



true audio mixing

40-bit processing throughout

MirroredComputing

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Trion™ Post



The Trion™ post mixing console is the latest digital console design from Harrison. By using Harrison's leading edge technology, Trion provides an efficient, cost effective, control solution for any high-end, post production digital mixing application.

Trion™ Enhanced Post Production Features:

- Exclusive end-to-end, 40-bit Wide Pipe™ architecture delivers no compromise sonic purity for any and all post production needs.
- New surface architecture eliminates the need for a centrally located shared-control panel. Channel controls and assignments are always instantly accessible as vertically oriented strips or as a "fold-out" across 8 faders for a true knob-per-function adjustment, regardless of the operator's location at the console.
- USB architecture minimizes the console profile, weight, and power requirements
- Harrison's digital.engine™, router, digital sources, and other systems hardware can be shared and remotely controlled by more than one audio console surface in your facility's network.

Profile Control

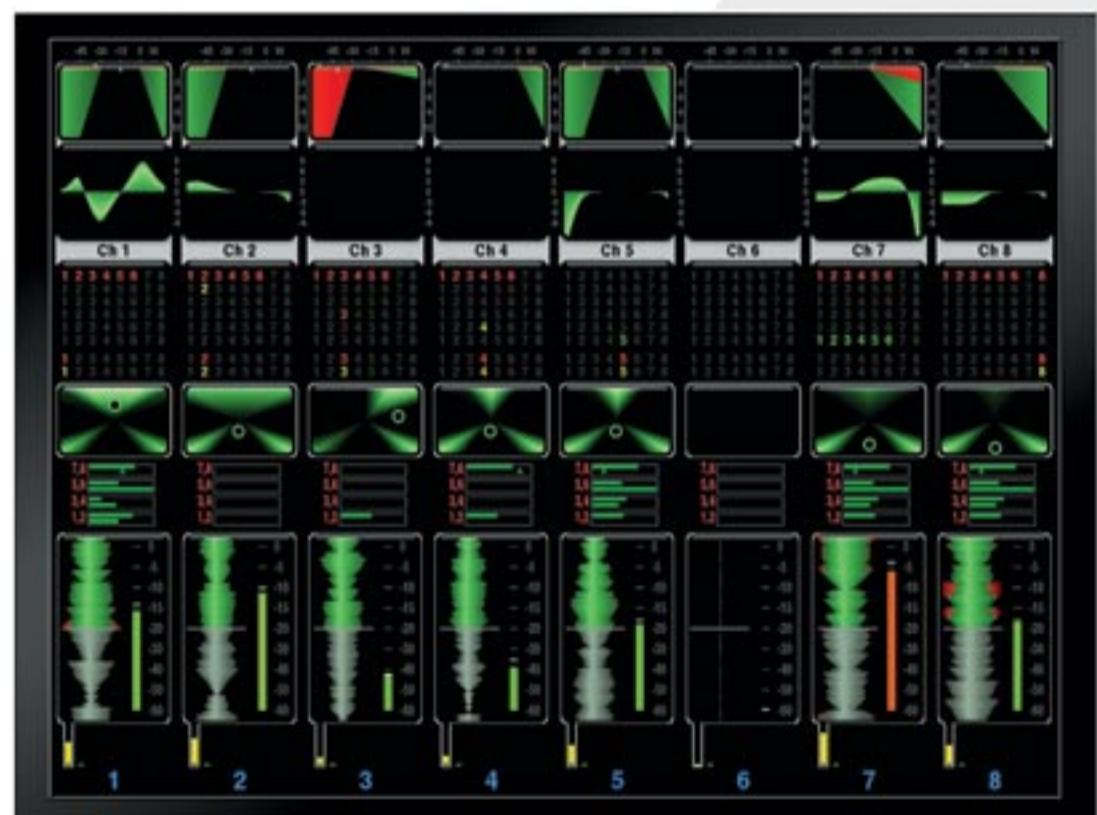
Trion provides extensive channel to fader mapping called "Profiles". Unlike other systems, the Trion Profile feature allows an unlimited number of ways to map channel strip controls to digital channels. Profiles can be used to instantly bring any combination of channels to the operator's fingertips. Creating different Profiles can be done at the console surface, quickly and easily. No rebooting required when switching from Profile to Profile – just the touch of a button!

Integrated High-Resolution TFT Displays

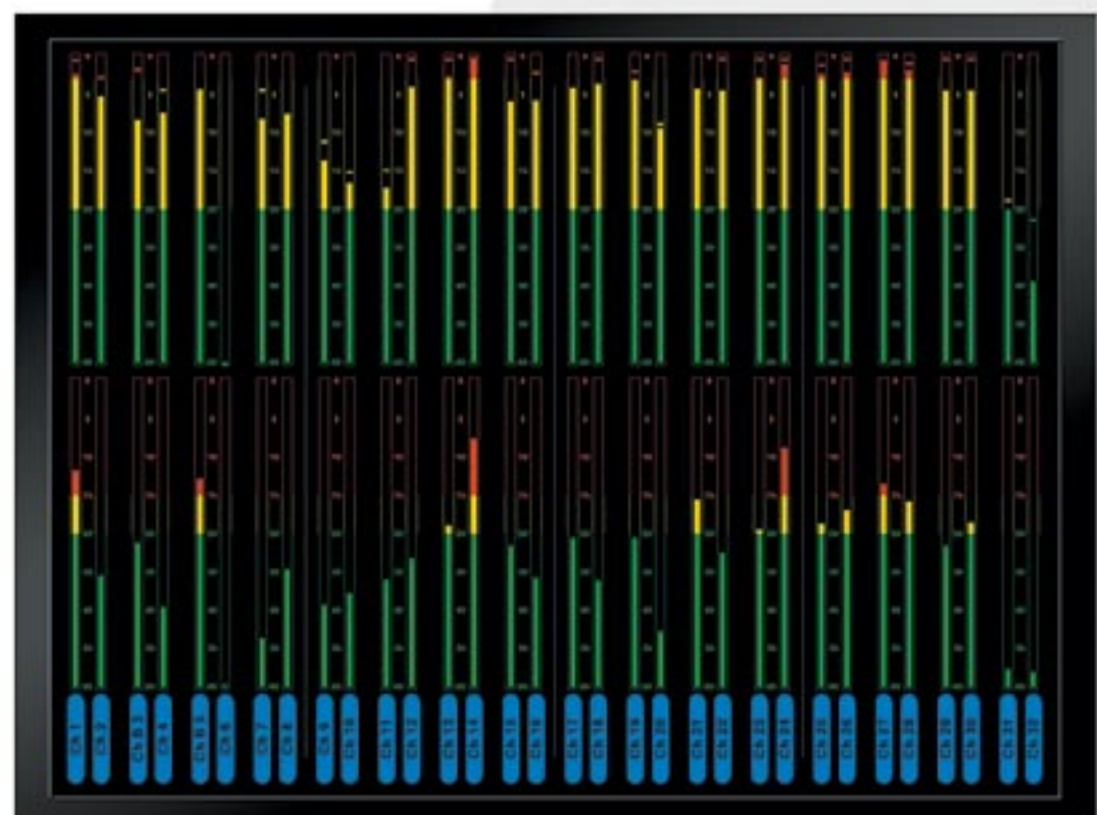
The Trion is equipped with integrated, high-resolution, TFT screens. Above each 8-faders is a dedicated wideview TFT screen with a graphical representation of dynamics, EQ, input channel source, bus routing, panning, aux sends, input meter, and the PreView™ waveform display with history graphic. The PreView's history is useful when identifying source problems.

PreView™ Waveform Display (patent pending)

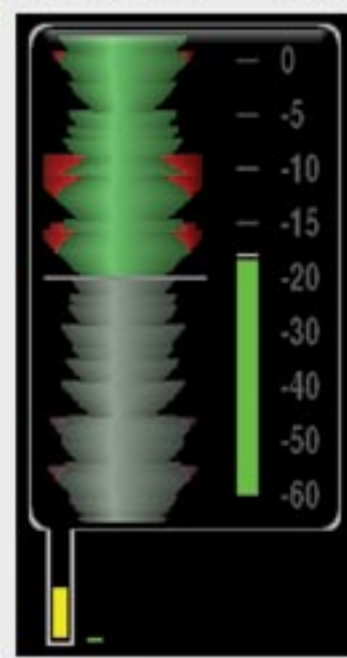
The exclusive Harrison PreView display, located above every channel strip, offers a 20 second long waveform view of ANY AUDIO SOURCE. The waveform, which "follows" each audio channel, is generated as the audio passes through the channel and is accompanied by a standard VU + peak meter. A horizontal line marks the "live" point. The waveform above the line represents a history of the signal level in the channel, while the waveform below the line represents a preview of audio yet to be played (in the case of a prerecorded audio source). The "live" point can be adjusted in real-time to show 20 seconds of preview, 20 seconds of history, or any value in between.



Channels Screen with PreView Waveform Meter



Meters Screen



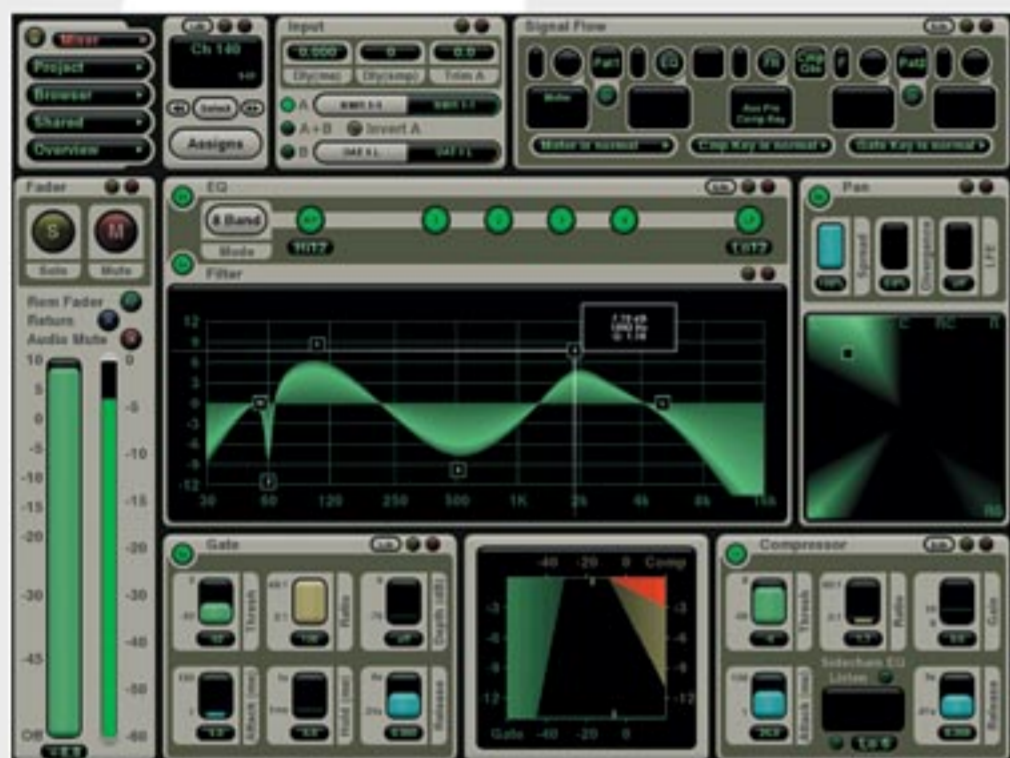
In addition to monitoring the signal level of the channel, the waveform also serves to graphically guide the user in setting compression levels. If the channel compressor is engaged, any gain reduction is shown (in red) on the edges of the waveform, allowing the user to see how much gain reduction was applied to the audio signal. Showing the amount of gain reduction plus the resultant signal level for the last twenty seconds is another exclusive feature from Harrison!



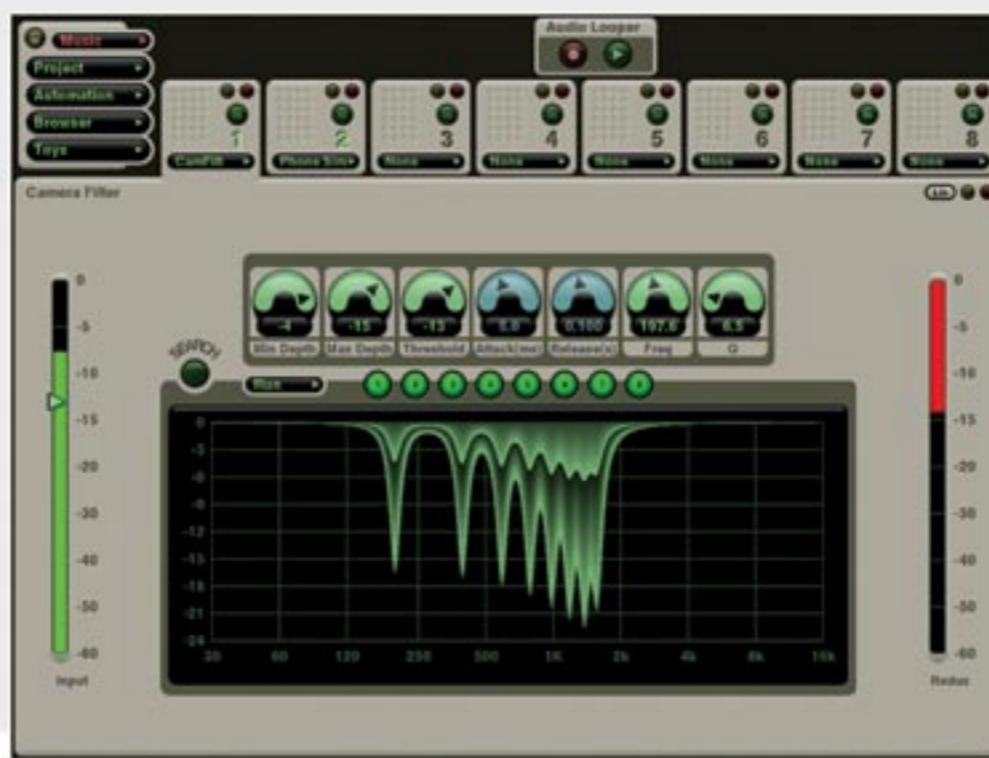


Trion and the IKIS™ Automation Platform

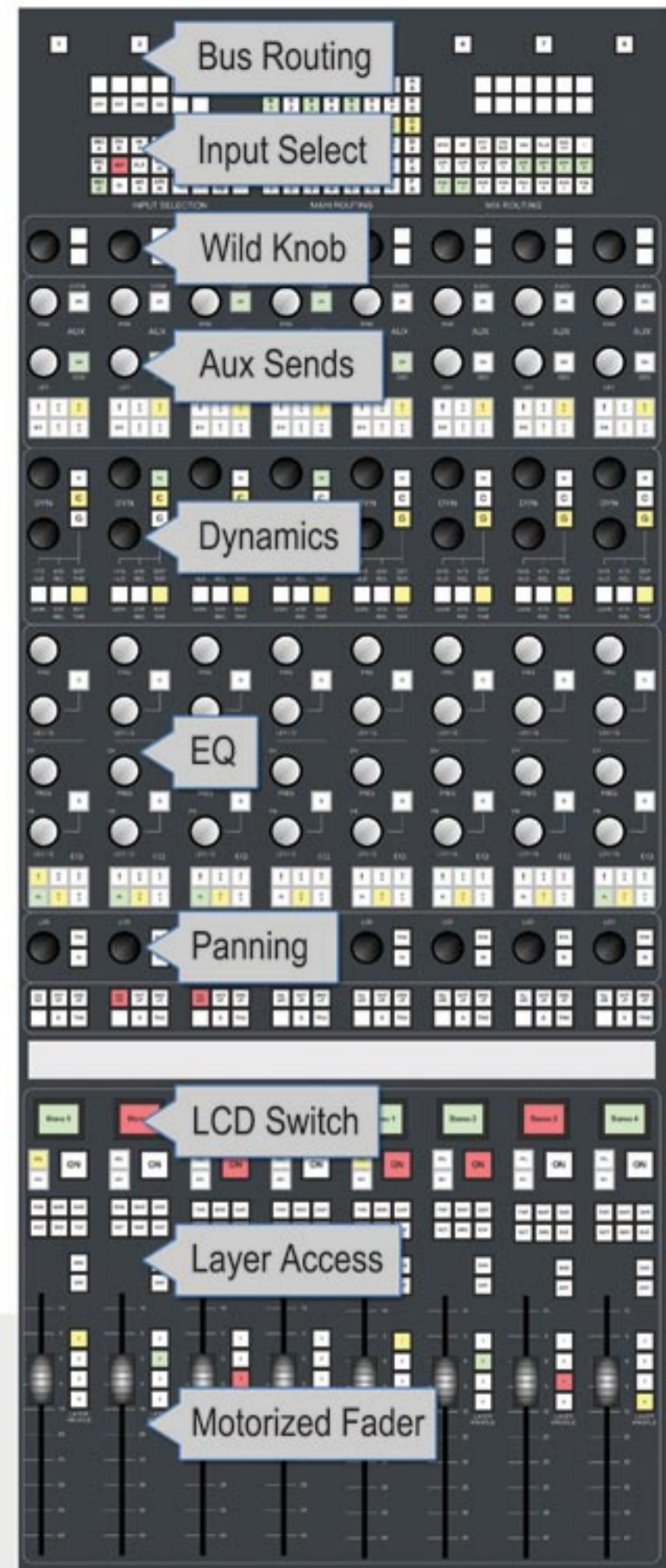
IKIS is a dedicated, dual processor, custom configured, PCI-based system. Graphically rich screens guide the operator's every command. With IKIS, the Trion takes advantage of the many developments gained in building world renowned post production consoles.



IKIS Channel Screen



DTC™ Harmonic Notch Filter Screen



DTC™ Digital Tools Card

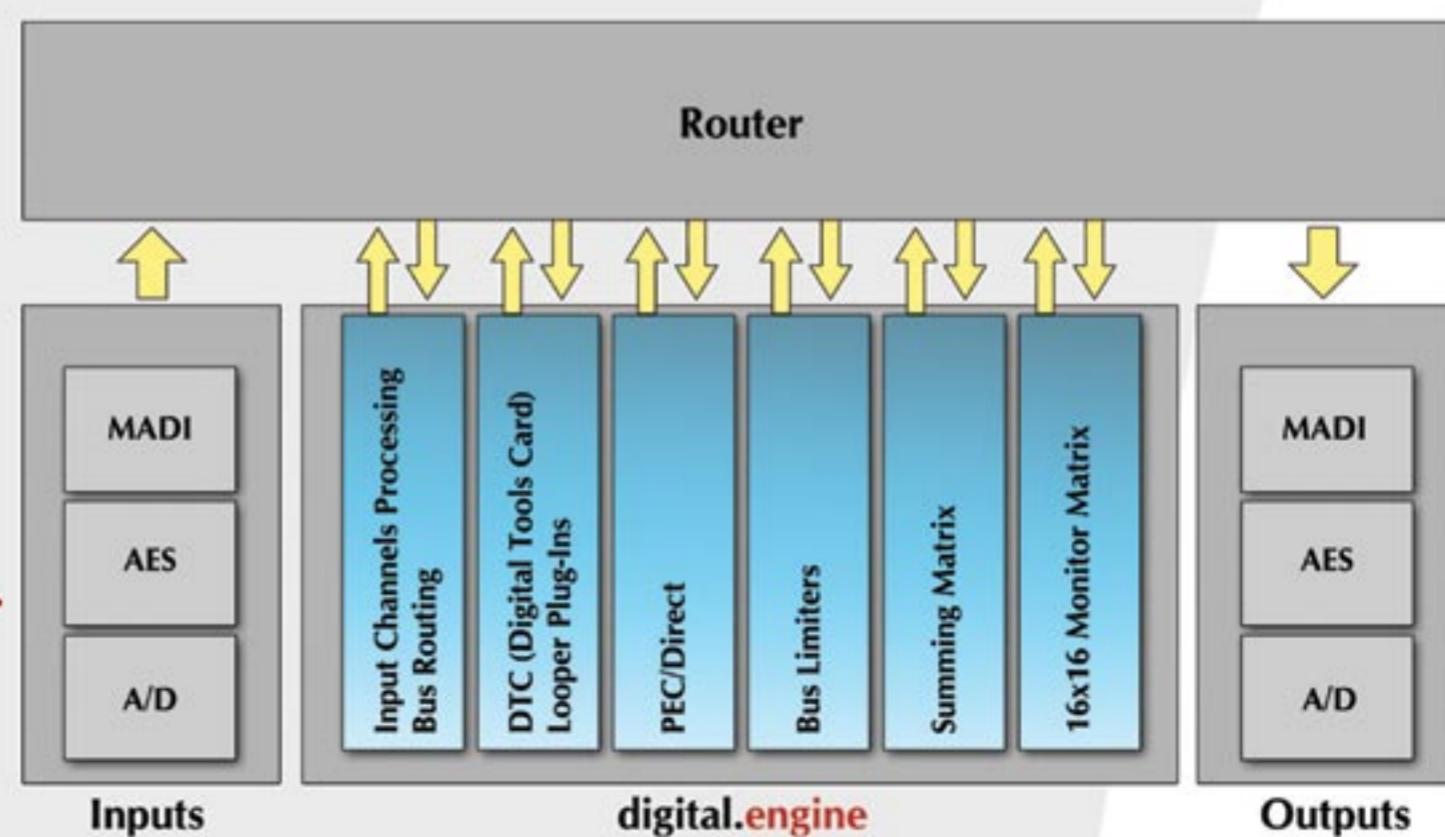
Adding Harrison's exclusive DTC™ (Digital Tools Card) provides unique and powerful features. Thirty-two specialized digital bus limiters per card with "look ahead" intelligence and a 20 second loop recorder are standard. The DTC also becomes the gateway for a whole suite of DTC plug-in software modules. These optional plug-ins are chainable and interchangeable in the signal path with fully resourced 40-bit, floating point, Wide Pipe™ processing available for all DTC Bus Limiters and plug-ins "at all times". **Plug-ins currently include:** Harmonic Notch Filter (Camera Noise Filter), Subharmonic Synthesizer, Crossover EQ, Leveled EQ, Multi-Band Compressor, Multi-Band Expander, Telephone Filter, Linear Phase EQ, DeEsser, DeNoise, Dialog Massager, Anti-Howl, and Insert.

I/O Resource Sharing and Signal Processing

One of the Trion's many advancements is its ability to share resources. Resource sharing is insured by networking more than one console, via fiber, to a Harrison digital.engine. Sharing guarantees each console has combined resources consisting of system I/O and digital 40-bit channels.



Single or Multiple Operator Configurations



Trion™ Post Production Console Specifications



Configuration Options: From 32 to an unlimited amount of channels with multiple digital engines™. Plug & Play expandable.

Number of Busses: Choose either 88 or 176 total busses (upgradeable on site)

Processor Precision: True 40-bit, floating point precision with 40-bit architectural interconnects assures greatest precision.

Channel Features: Dual inputs w/ trim, separate Hi and Lo pass filters adjustable from 12dB to 24dB per octave, floating insert point, PFL, AFL, 4-band and 8-band EQ with notch/bell/shelf curves per band, limiter, compressor, gate, expander, de-essor, delay, main fader, 16 or 32 Aux. sends, 24 or 48 or 96 bus assignments, configuration dependant.

Signal Flow: Processing order can be changed for each separate input or output channel.

Sample Rate: Up to 102kHz

Router Configuration: Sized for each system with a maximum up to 2240 inputs x 2240 outputs

Input/Output Method: MADI (AES10)

Signal Connection: 75 Ohm copper coax with BNC Connectors or optional Fiber to/from MADI Ports. Optional redundant MADI available.

Router Partitioning: Router partitioning is available to segregate facility tasks when external control is desired

Hardware: A single router rack frame has 10 input slots and 10 output slots for MADI port cards or digital engine link cards. MADI port cards have 4 ports per card. 56 signals per MADI port. Also supports master serial digital meter feeds.

Control Platform: Dual processor, PCI-based IKIS computer. Mirrored Computing™ redundant option.



post Console

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