GATOR TOOLBOX
Your UHD Signal Conversion Problem Solver

Gator Toolbox is your easy-to-use, comprehensive UHD signal conversion problem solver, and it comes in a modular openGear form factor. Gator Toolbox delivers peace of mind by addressing your signal conversion needs in broadcast, production, and live event workflows in which low latency and quality UHD, HDR, and WCG are required.

Gator Toolbox offers 4K UHD standards conversion on top of support for popular HD formats. The standards converter is integrated into the format conversion engine and allows for format scaling, deinterlacing, and framerate conversion in a single pipeline. These capabilities allow for truly any-to-any video format bridging. This unified process also provides format conversion and standards conversion at a minimal latency of 2 input fields (interlace) / 2 frames (progressive) with full conversion quality – there is no tradeoff required between latency and quality!

INGEST MIXED FRAME RATE CONTENT
Seamlessly integrate live content from different frame rates with high quality and extremely low latency.

TRANSMISSION APPLICATIONS
Up-convert or down-convert between HD and UHD formats including HDR.

INTUITIVE CONTROL AND MONITORING
Control and monitoring of multiple cards is made intuitive through the Dashboard control system or Ultritouch Smart panel.
GATOR UHD TOOLBOX - SPECIFICATIONS

• Extensive UHD interface support
  - Coaxial HD / 3G / 12G-SDI, HD-BNC
  - Quad-link gearbox in + out 2SI, and SQD
  - Optical HD / 3G / 12G-SDI, LC

• Supported Video formats
  - 2160p @ 50/59.94
  - 1080p @ 23.98/24/25/50/59.94
  - 1080i @ 50/59.94
  - 720p @ 50/59.94

• Motion-Adaptive Format Conversion
  - Ultra-low latency
  - Up / down / cross conversion
  - Linear Frame-rate conversion (optional)
  - Motion-adaptive de-interlacing
  - Advanced diagonal interpolation
  - Cadence Detection

• Color Processing
  - HDR EOTF remapping (PQ / HLG / SLOG3 / SDR)
  - RGB color correctors / Proc Amps
  - BT.709 / BT.2020 conversion

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ORDERING CODE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>GATOR-TOOLBOX</td>
<td>GATOR Single Channel UHD Toolbox includes: Up/Down/Cross Conversion &amp; de-interlacer SDR/HDR conversion Framesync RGB color correctors and proc amps Audio processing and shuffle Test pattern generation HD and 3G-SDI video formats Upgradable to UHD via software license.</td>
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GATOR-TOOLBOX-12G-LICENSE
License adds UHD support to GATOR-TOOLBOX. Includes 12G-SDI, 2SI and SQD Quad 3G-SDI interface support.

GATOR-FRC-LICENSE
Frame Rate Conversion software license for GATOR-TOOLBOX

HARDWARE CONFIGURATIONS

<table>
<thead>
<tr>
<th>ORDERING CODE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>GATOR-2</td>
<td>4in / 4out SDI No discrete audio 2 slots</td>
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<tr>
<td>R4-GATOR</td>
<td>No discrete audio 2 slots</td>
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<tr>
<td>GATOR-2F</td>
<td>5 SDI + Fiber No discrete audio 2 slots</td>
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<tr>
<td>R4F-GATOR</td>
<td>4in / 4out SDI 8 unbalanced AES 4 slots</td>
</tr>
<tr>
<td>GATOR-4A</td>
<td>4in / 4out SDI 8 balanced AES 4 slots</td>
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<tr>
<td>R3A-GATOR</td>
<td>No discrete audio 2 slots</td>
</tr>
<tr>
<td>GATOR-4B</td>
<td>No discrete audio 2 slots</td>
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REAR MODULE CONNECTIONS

Gator Toolbox is available in 4 different hardware variations to meet your I/O requirements.