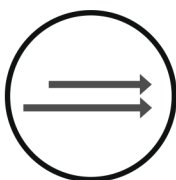


GATOR TOOLBOX

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
- Frame synchronizer
- Test pattern generation
- Audio Processing
 - Full audio shuffle
 - Audio embed / de-embed
 - Mute / Gain / Sum
 - Tone insertion
 - Dolby® pass-through
- Ancillary Data
 - Pass, strip or re-order VANC Data
 - ST 352 VPID insertion and override
- Control
 - Full configuration, setup and monitoring via DashBoard™
 - Ultritouch support
 - Presets support up to 8 configurations

ORDERING INFORMATION

ORDERING CODE	DESCRIPTION
GATOR-TOOLBOX	GATOR Single Channel UHD Toolbox includes: Up/Down/Cross Conversion & 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.
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

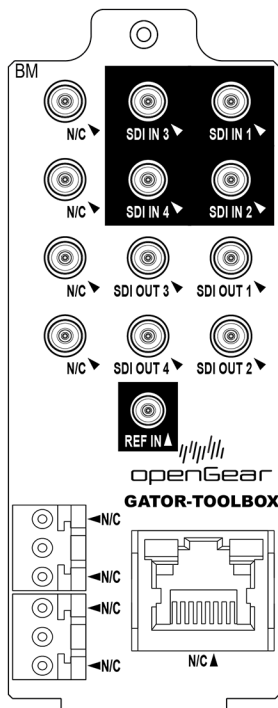
ORDERING CODE	DESCRIPTION
GATOR-2 R4-GATOR	4in / 4out SDI No discrete audio 2 slots
GATOR-2F R4F-GATOR	5 SDI + Fiber No discrete audio 2 slots
GATOR-4A R3A-GATOR	4in / 4out SDI 8 unbalanced AES 4 slots
GATOR-4B R3B-GATOR	4in / 4out SDI 8 balanced AES 4 slots



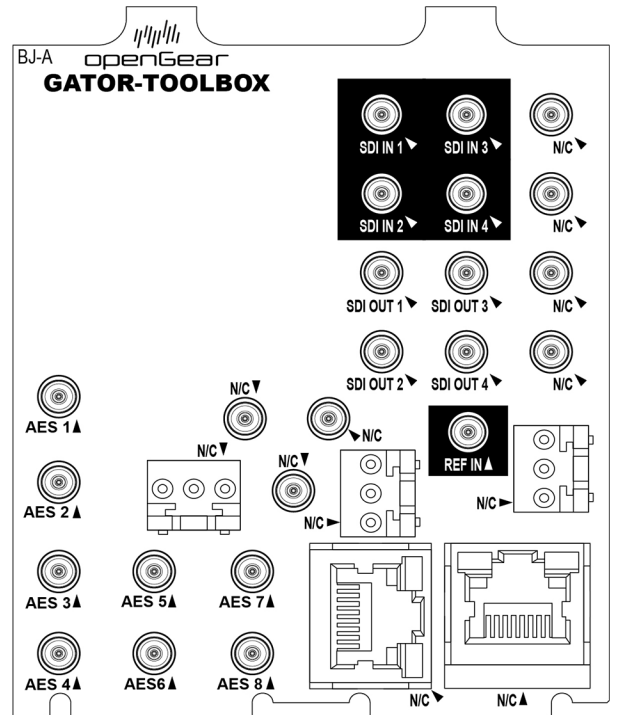
REAR MODULE CONNECTIONS

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

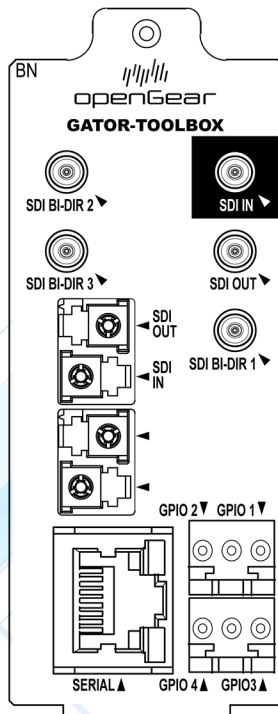
MAIN BOARD
GATOR-2
REAR MODULE
R4-GATOR



MAIN BOARD
GATOR-4A
REAR MODULE
R3A-GATOR



MAIN BOARD
GATOR-2F
REAR MODULE
R4F-GATOR



MAIN BOARD
GATOR-4B
REAR MODULE
R3B-GATOR

