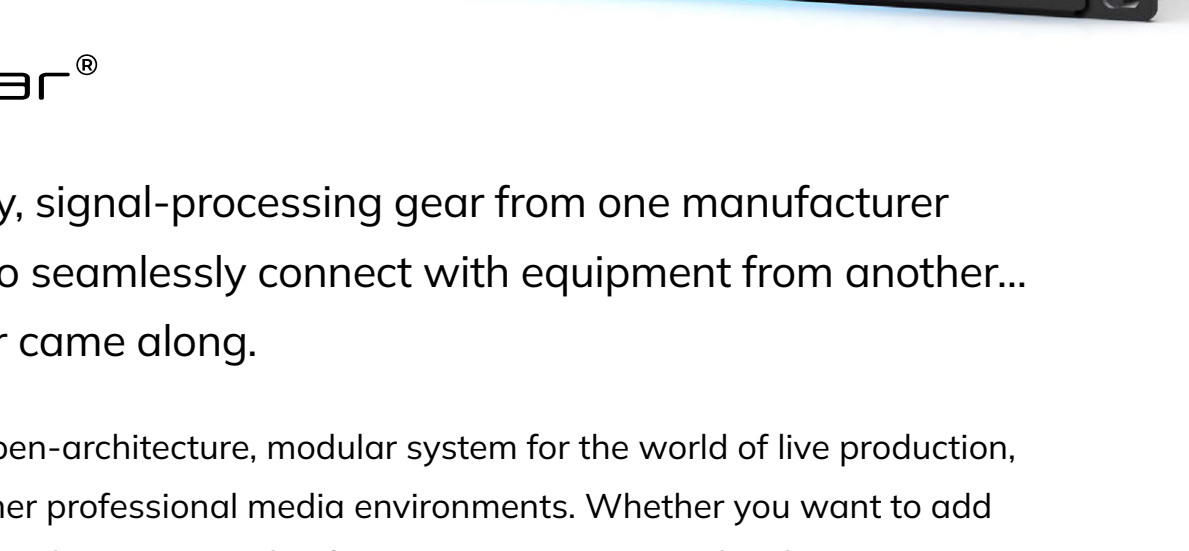


How Ross Video spearheaded the freedom to make it real



openGear®

Back in the day, signal-processing gear from one manufacturer wasn't made to seamlessly connect with equipment from another... then openGear came along.

openGear is an open-architecture, modular system for the world of live production, broadcast and other professional media environments. Whether you want to add graphics, process audio, convert video formats, or just move or distribute your signals, it gives you complete freedom to choose from a vast array of plug-in cards to build a unified system perfectly tailored to your needs.

Where did it all begin?

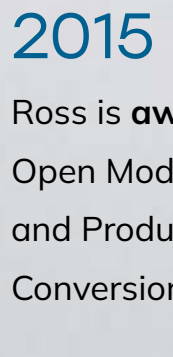
It all started in 2006

Ross Video launches the openGear DFR-8310, a 10-slot frame with partners Cobalt Digital and Ward-Beck Systems

Ross Video spearheaded a coalition of industry manufacturers to collectively devise openGear.

2009

Ross, in collaboration with an even greater number of partners, releases the openGear DFR-8321, a 20-slot frame



The Academy of Canadian Cinema and Television awards Ross a Gemini Award for Outstanding Technical Achievement

2012

Ross Video releases openGear OG3 frame with double the power and integrated Ethernet to every card

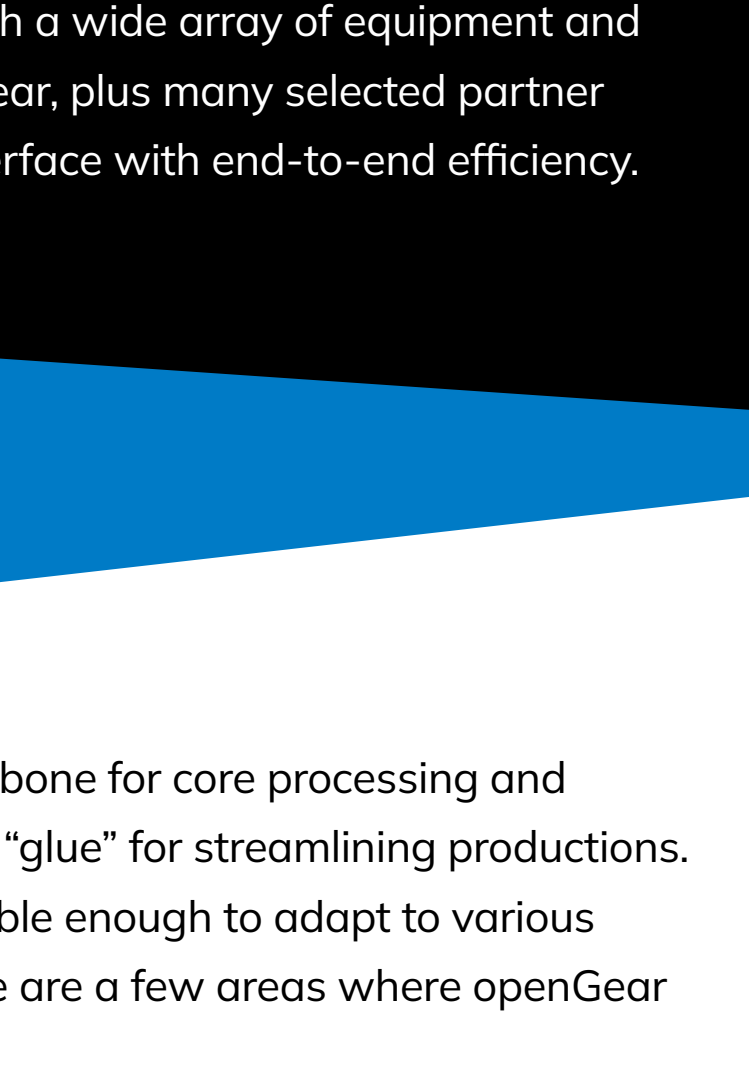
2015

Ross is awarded the Emmy® for its Open Modular Platform for Broadcast and Production Distribution and Conversion Equipment

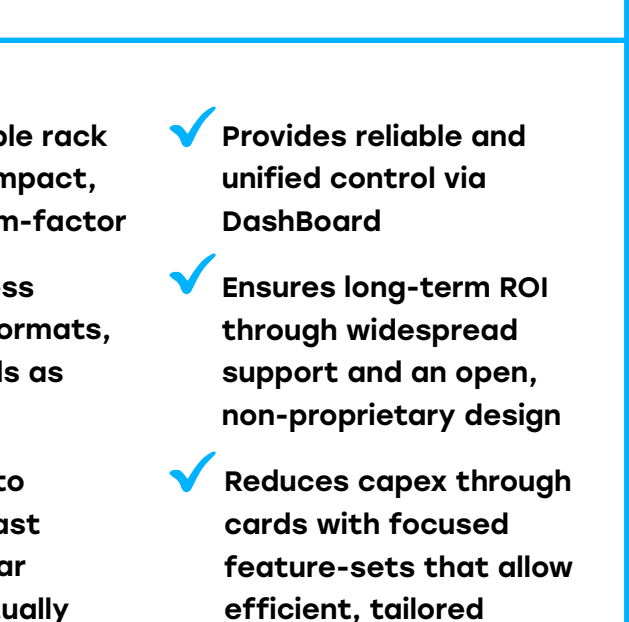
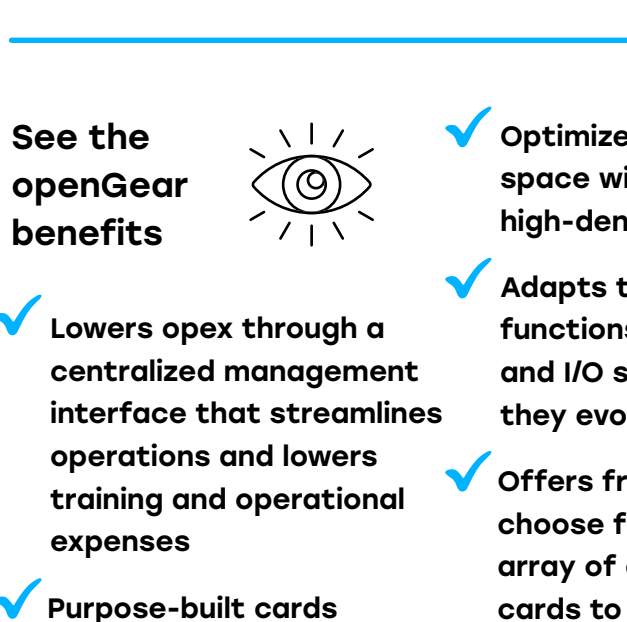
2018

Ross launches the oGx frame, further growing the platform's power and cooling to meet the needs of UHD and IP infrastructure

DashBoard



DashBoard is free software that enables you to monitor and control your entire production ecosystem with simple-to-use, highly customizable interfaces.



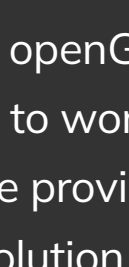
It serves as the central nervous system for broadcast and production environments, integrating with a wide array of equipment and natively working with openGear, plus many selected partner products, to offer a single interface with end-to-end efficiency.

The openGear advantage

openGear serves as the backbone for core processing and signal flows. It's the essential "glue" for streamlining productions. As a modular system it's flexible enough to adapt to various industries and purposes. Here are a few areas where openGear really stands out:

- Broadcast**
Enhancing live studio production, playout, and the full signal chain – it seamlessly integrates from ingest to transmission
- Production**
Facilitating high-quality content creation with robust reliability
- Corporate**
Boosting communications events with scalability and ease of use
- Education**
Enabling dynamic learning experiences through advanced media technologies
- Mobile**
Supporting on-the-go productions with compact solutions that adapt to dynamic requirements

See the openGear benefits

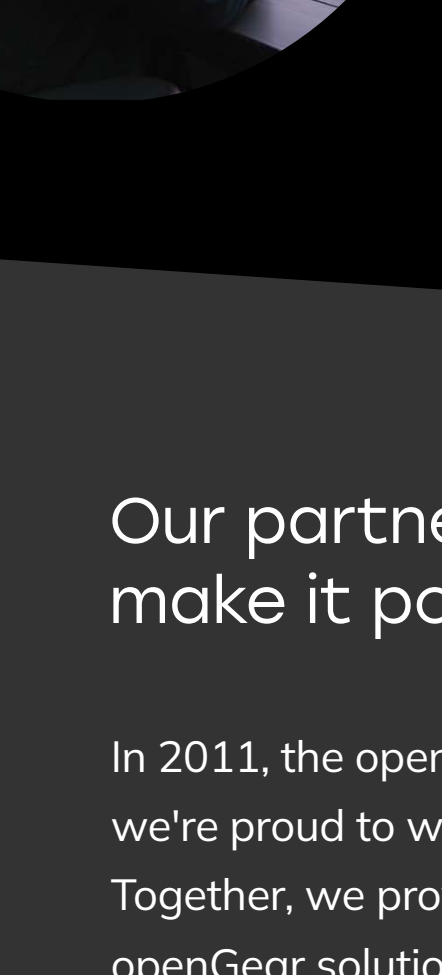


- ✓ Lowers opex through a centralized management interface that streamlines operations and lowers training and operational expenses
- ✓ Purpose-built cards optimize energy usage, while a future-ready platform extends product lifespan and reduces e-waste through seamless upgrades and expansions, helping achieve sustainability goals
- ✓ Optimizes valuable rack space with a compact, high-density form-factor
- ✓ Adapts to limitless functions, new formats, and I/O standards as they evolve
- ✓ Offers freedom to choose from a vast array of openGear cards to suit virtually any mainstream or niche requirement
- ✓ Provides reliable and unified control via DashBoard
- ✓ Ensures long-term ROI through widespread support and an open, non-proprietary design
- ✓ Reduces capex through cards with focused feature-sets that allow efficient, tailored signal flows



Outside of the box

openGear with DashBoard has powered thousands of productions and events, bringing unrivalled efficiency to infrastructure management. But did you know that DashBoard is so adaptable, it's even opened the door to some applications you might not expect?



- Sports stadiums to control closing fireworks displays via sensor and actuator automation
- Camera control for a marble competition to follow the action and hold focus on moving marbles
- Event centers to keep attendees safe via screen pop-up fire alarm messages
- Studios to integrate power-saving lighting systems



Our partners help us make it possible



In 2011, the openGear ecosystem grew to 25 partners. Today, we're proud to work with over 150 openGear partner companies. Together, we provide a wide range of cards, guaranteeing an openGear solution for nearly any application you can think of.

openGear®

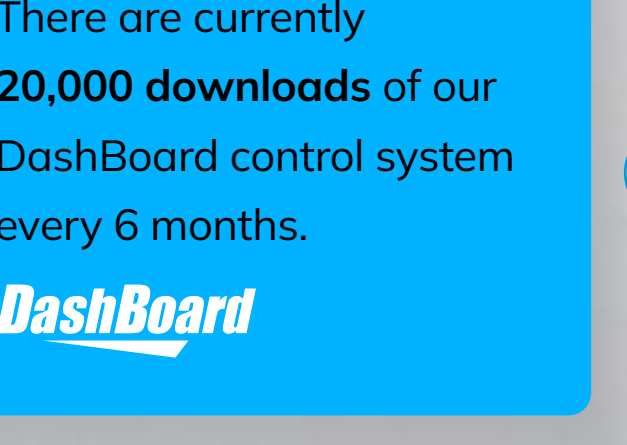
Solutions to unleash potential

Ross Video has designed and developed over 100 openGear cards. Here are a few of the groundbreaking solutions we've brought to the market:

- Gator Toolbox**
An easy-to-use, fully featured problem solver with format, frame rate, and SDR/HDR conversion, plus frame synchronizer and gearbox
- MC1 series**
The world's most popular Master Control and Branding card that scales to the needs of your SD, HD, or UHD channels
- NWE-3GA**
A high quality, single card solution for inserting Nielsen® Watermarks to ensure proper crediting of viewing
- SRA-8901 / DRA-8902**
Our world-first, highly versatile, single and dual channel video 12G-SDI Modular Distribution Amplifiers

Ross openGear cards

From SD to UHD and HDR, analog to IP, we offer cards that cover video, audio, metadata, fiber and more. Plus, it's good to know that all our openGear cards are supported by a 5-year warranty.



2020

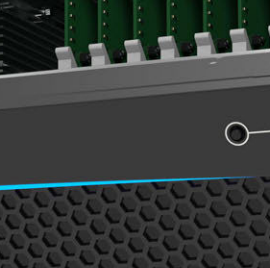
A total of 40,000 openGear frames have been produced and delivered worldwide

2021

Annual DashBoard downloads tops at 38,000

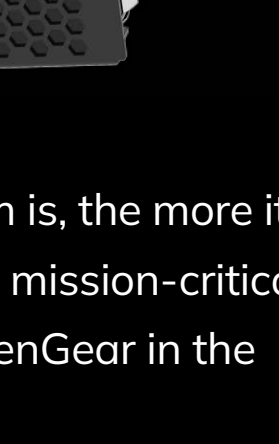
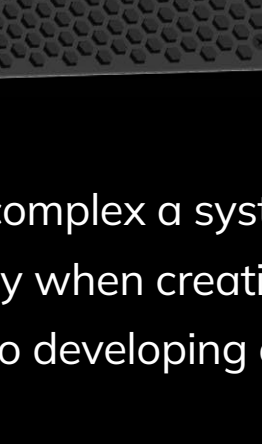


There are currently 20,000 downloads of our DashBoard control system every 6 months.



2023

Over 50,000 openGear frames produced and delivered globally



Our commitment

At Ross Video, we believe the more complex a system is, the more it benefits from integration — especially when creating mission-critical video experiences. We're dedicated to developing openGear in the way only we know how.

That's why we've invested millions each year in R&D to evolve the openGear platform with customer-centric solutions. So, you can continually grow your capabilities.

Want to take the next step?

Let's make your ideas a reality.

www.rossvideo.com/opengear