



The Ultimate openGear Applications GUIDE 2022





WHY openGear?

openGear® is the industry-standard platform of choice for modular signal processing. As the world's first modular infrastructure platform open to any manufacturer, openGear provides solutions derived from hundreds of individual cards from dozens of companies. This cooperative effort gives users best-of-breed product and budget options, all while ensuring common control and monitoring with the DashBoard control system for the openGear ecosystem.



Award Winning

The Emmy® Award-winning openGear platform, designed by Ross, has been adopted by dozens of manufacturers offering hundreds of signal processing solutions. This gives users the freedom to choose best-in-class solutions that meet their needs and budgets.



Free Control System

DashBoard, available for free, provides a unified control system across openGear products from all manufacturers. This allows for easy setup, monitoring, alarms, and management. With the included CustomPanel Panel Builder, users can easily create custom workflows across multiple products to suit their exact needs.



Reliable

oGx is the fourth-generation openGear modular infrastructure platform built for 24/7 operation. It features redundant power and adaptive cooling, and service is a snap with zero downtime. Front-loading, hot-swappable modules and a passive backplane ensure ease of maintenance and maximum reliability.



Comprehensive Portfolio

openGear offers a wide range of best-of-breed modular infrastructure solutions, including distribution, conversion, branding, audio, data, fiber, timing, and more all in one compact, economical frame. The openGear platform has the flexibility to support a multitude of signal types and formats from analog to UHD to IP, and while it is architected to meet the most complex processing demands of evolving IP and UHD applications.



Future-Proof

The openGear industry-standard platform is a lasting investment that is backward-compatible and future-proof for IP/UHD. It is backed by continuous development from an ecosystem of manufacturers ensuring best-in-class solutions at competitive prices. The platform allows users to take advantage of a pay-as-you-go model, buying only the modules they need today with room for future growth.

LEADER PARTNERS



AJA Video Systems manufactures high-quality, cost-effective technology solutions for video professionals, all designed and assembled in Grass Valley, California.

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Established in 1997, Cobalt designs and manufactures award-winning IP and 12G/6G/3G/HD/SD conversion, throwdown, multiviewer and compression technology for the live video production and broadcast television environments. All products are made in the USA and backed by a five-year warranty.

[Go to Cobalt Digital's apps »](#)



D2D Technologies delivers digital video that transforms video over ASI and TSolP with SRT, PSIP channel branding, EPG, and Emergency Alert (EAS) insertion.

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Decimator Design is an Australia-based company that is dedicated to the design and manufacture of advanced video broadcast solutions.



MultiDyne offers the most comprehensive range of fiber optic transport modules available for the openGear® platform. Whether you need 4K/8K production signal extension on the studio lot or high-capacity, bi-directional 12G-SDI metro links, MultiDyne has the openGear card for the job.

[Go to MultiDyne's apps »](#)



Ross powers live video productions for billions of global viewers daily with the industry's widest range of high impact, high efficiency solutions and services.

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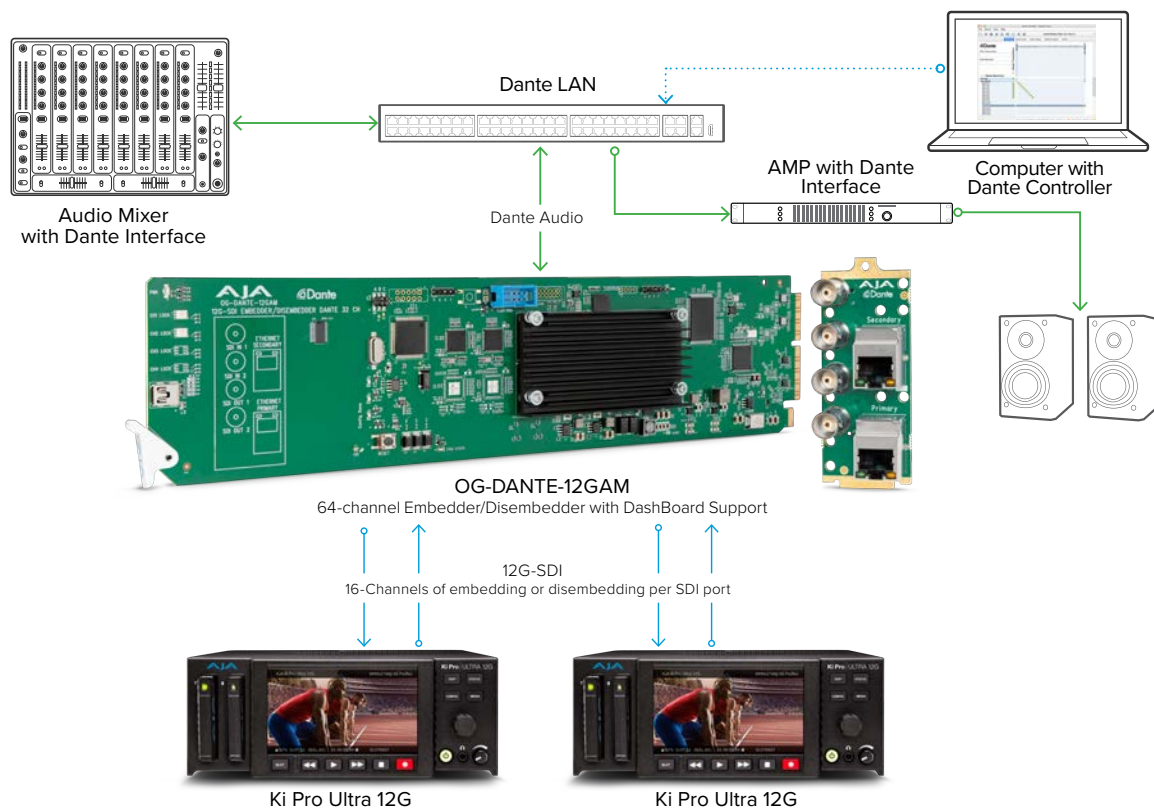


VITEC is a leading worldwide end-to-end video streaming solutions provider for broadcast, military, government, enterprise, sports, and entertainment venues.

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Application

Live Event UltraHD/HD 12G-SDI/Dante Workflow



AJA openGear-compatible rackframe cards and the OG-X-FR frame have rapidly made inroads into ProAV workflows alongside extensive use in broadcast environments. The rackframe structure with redundant power supplies, plus simple unified software control and access offered by DashBoard software from Ross, bring peerless density and customization to any production or event.

The combination of hot-swappable 12G- and 3G-SDI/HDMI/fiber conversion, extensive DANTE audio over IP/SDI bridging, DA, frame sync, and scan conversion cards with the flexibility and portability of the openGear architecture – notably the ability to mix and match up to 10 cards in each frame – delivers a wide range of capabilities in a compact footprint. Remote configuration, control, and monitoring capabilities via DashBoard software and AJA configuration tools make setup and on-the-fly adjustment straightforward for video and audio teams.



openGear

www.opengear.tv

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