



NEWS RELEASE

FOR IMMEDIATE RELEASE

Contact: John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Debuts New Multi-Sensor Video Gateway for ISR Platforms

Rugged RVG-MS1 video gateway/video multiplexer manages analog & digital sensor inputs while easing operator-defined selection of mission display views

DSEI 2019, EXCEL, LONDON, UK (Stand S10-120) – September 10, 2019 – [Curtiss-Wright's Defense Solutions division](#), a proven leading supplier of deployed video management solutions, has announced the newest addition to its Rugged Video Gateway (RVG) family of commercial off-the-shelf (COTS) [video management solutions](#) with the introduction of the [Multi-Sensor Rugged Video Gateway \(RVG-MS1\)](#), a military standard system designed to provide multi-input and output capability for demanding video sensor applications. Today's state of the art deployed intelligence, surveillance, and reconnaissance (ISR) systems rely on numerous types of advanced sensors, including infrared cameras, thermal imaging systems, and laser target designators, that require a low latency distribution system for mission success. The management of these analog and digital inputs is optimized through the use of video gateways that support flexible display of imagery and information.

The RVG-MS1 receives and processes a platform's sensor signals and then outputs them to a Curtiss-Wright or similar display, enabling operators to simultaneously view multiple sensor feeds, in different configurations, at the touch of a single button. The unit's easy to use graphical user interface (GUI) allows operators to intuitively select the operational view that best supports their mission. For example, image configuration options include flexible picture in picture (PiP) and single, dual, triple, and quad mode window overlays. The video gateway also supports video streaming and blending capabilities. What's more, because the RVG-MS1 functions as an Ethernet gateway, it facilitates video streaming for platforms built to the latest vehicle architectures, such as VICTORY and GVA.

"Curtiss-Wright's rugged COTS-based video management solutions are designed to increase warfighter effectiveness and help drive mission success," said Lynn Bamford, Senior Vice President and General Manager, Defense and Power. "Our newest RVG video management gateway, the RVG-MS1, is ideal for managing multiple advanced sensors, with low latency and maximum flexibility to optimize and ease the operator's experience."

The rugged RVG-MS1 is qualified to MIL-STD-810G, MIL-STD-1257E and MIL-STD-461F and designed for use in the harsh environmental conditions typically encountered in aerospace and defense applications. Optimized for size, weight, power, and cost (SWaP-C), the RVG-MS1 is a line replaceable unit (LRU) that can minimize cabling, reduce system weight, and reduce management costs while providing OEMs and system integrators a well-defined upgrade and integration path for the most demanding ISR systems.

RVG-MS1 Performance Features:

- 20 x 3G-SDI inputs
- 4 x analog inputs
- 1 x HDMI
- 16 x 3G-SDI outputs
- 2 x TV analog output
- 2 x H.264 outputs
- CAN Bus and RS485/422/232 control interfaces
- Windowing, PiP, and overlays
- Video streaming (x2)
- Optional image blending
- Low latency
- Low SWaP
- Military standards qualified (MIL-STD-810G/MIL-STD-1257E/MIL-STD-461F)

About Curtiss-Wright Video Management Systems

Curtiss-Wright's rugged video management systems provide comprehensive video conversion and distribution solutions that simplify the routing of multiple video signals on ground and airborne platforms. The RVG-MS1 can operate standalone or with the other Curtiss-Wright video products, including the full RVG range of rugged video components, the [VRDV7000 video recorder](#) and our AVDU, SVDU, GVDU, and RVDU ranges of [mission displays](#).

Typically, a video distribution system is used in applications where multiple video inputs (for example, from a multi-sensor gyrostabilized camera system) and additional signals from moving maps, mission computers, video recorders, and up/down links need to be routed to multiple displays in the vehicle. COTS-based video management solutions offer platform integrators and installers a modern solution to traditional complex installations while simplifying cabling, delivering both cost and weight savings.

For more information about Curtiss-Wright's Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

###

NOTE: Trademarks are property of their respective owners