



NEWS RELEASE

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CURTISS-WRIGHT DEBUTS STACKABLE ANALOG VIDEO SWITCH FOR DEFENSE AND AEROSPACE PLATFORMS

Rugged, lightweight, compact RVG-SA1 12x12 analog video cross point switch supports up to 4 RGBHV external video ports and 4 EDID computer display ports

ASHBURN, Va. – February 15, 2017 – [Curtiss-Wright's Defense Solutions division](#) today expanded its Rugged Video Gateway (RVG) family of [video management solutions](#) with the introduction of the new compact and stackable [RVG-SA1 Analog Video Switch](#). Traditional video switch products can be inflexible, bulky, and difficult to integrate. Maximum flexibility in the smallest footprint can be achieved with a configurable crosspoint switch. The RVG-SA1 is a truly non-blocking crosspoint switch, manageable over RS422 and CAN that can be rapidly and easily reconfigured to support different equipment and missions. It enables system designers to quickly and easily route the platform's video sources. Designed to address increasing requirements for video switching requirements on smaller and more space-constrained air and ground vehicles, the size, weight and power (SWaP)-optimized RVG-SA1 enables system integrators to make the most effective use of video data generated by on-platform cameras and displays without requiring additional space and weight. The RVG-SA1 is ideal for deploying effective video management and distribution for airborne and ground vehicle applications.

The RVG-SA1's analog crossbar functionality makes it easy to route any of the unit's 12 analog video inputs to any of its 12 outputs. It also implements a digital crossbar that enables any of its 8 digital inputs to route to any of its 8 digital outputs to support HSYNC and VSYNC connectivity for four PC-style analog video channels. In addition, the RVG-SA1 provides four separate EDID interfaces and enables the emulation of computer display. The unit can be configured "on the fly" via external RS-422 and CAN control interfaces. It can also be configured statically to support specific missions.

"While many air and ground vehicles are getting smaller, their video switching requirements are only increasing," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "The challenge for system integrators is how to best optimize the video data from the proliferating number of deployed cameras and displays without adding space and weight to the

platform. Our RVG-SA1 crossbar video switch hits the sweet spot is small, lightweight, stackable and delivers true integration flexibility.”

About Curtiss-Wright Video Management Systems

Curtiss-Wright’s rugged [Video Management Systems \(VMS\)](#) provide comprehensive video conversion and distribution solutions to simplify the routing of multiple video signals on ground and airborne platforms. 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 aircraft. Curtiss-Wright’s COTS-based VMS units offer aircraft integrators and installers a modern solution to traditional complex aircraft installations and simplified cabling which delivers cost and weight saving.

When used with other Curtiss-Wright products, video routing and switching solutions offer the user one of the most advanced and effective mission systems available in the market today. For example, the RVG-SA1 can be easily combined with Curtiss-Wright’s AVDU family of rugged touchscreen LCD displays and the rugged, SWaP-optimized [VRDV7000 digital HD video recorder](#) to create a complete deployed VMS solution.

For more demanding applications that require higher levels of functionality, Curtiss-Wright also offers a wide range of fully-featured VMS products, such as the [VRD1, which combines integrated format conversion, compression, scaling, switching, recording and network distribution of High Definition \(HD\) video](#) in a single compact rugged unit. This rugged VMS solution has recently been enhanced with the addition of network-attached storage (NAS) capability, significantly expanding its utility in demanding aerospace and defense ISR applications.

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 8,400 people worldwide. For more information, visit www.curtisswright.com.

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