



## NEWS RELEASE

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### **Curtiss-Wright's New 7-inch Rugged Ground Vehicle Display Lowers the Cost of Adding General Purpose Video Imagery Monitoring**

*New RVDU display is ideal solution for adding a rugged LCD touchscreen display to support 360 degree and rear-view reversing camera video display functionality to ground vehicles*

#### **2019 NDIA GROUND VEHICLE SYSTEMS ENGINEERING AND TECHNOLOGY SYMPOSIUM,**

**NOVI, Mich. (Booth 214) – August 13, 2019 – [Curtiss-Wright's Defense Solutions division](#), a proven leading supplier of [deployed video management solutions](#), has announced the further expansion of its family of rugged displays designed to meet the unique requirements of military ground vehicles. The new [Rugged Video Display Unit \(RVDU\)](#) is a 7-inch 800 x 480 pixel LCD display ideal for adding general purpose video imagery capability such as 360 degree situational awareness, rear-view reversing camera, equipment monitoring, and flexible display functionality to size, weight, power, and cost (SWaP-C) constrained platforms. System integrators seek low-cost display solutions that maintain reliability in harsh environments. Today, modern ground vehicles increasingly depend on a proliferation of mounted cameras to provide a view of the outside environment, such as a rear-view reversing camera. This camera imagery can be viewed in small, affordable displays that can, for example, aid in the prevention of accidents. The compact, widescreen RVDU supports up to two video inputs, which can be configured as either CVBS (composite video) inputs or digital. With superior viewing, the display's ambient light sensors automatically change the screen brightness to the optimal setting for visibility in any light conditions, while its LED backlight provides a clear, crisp picture. The unit's CAN bus control interface supports seamless software upgrades and eases interface with other Curtiss-Wright video management solutions such as those in the [Rugged Video Gateway \(RVG\) product line](#).**

“Increasingly, ground vehicle operators and crews are depending on mounted cameras to enhance their situational awareness and avoid accidents,” said Lynn Bamford, Senior Vice President and General Manager, Defense and Power. “With the introduction of our new low-cost, rugged 7-inch RVDU display we strengthen our commitment to providing the market with the widest offering of ground vehicle displays built to perform and maintain reliability in the battlefield where our warfighters require maximum situational awareness for mission success.”

### **RVDU Performance Features:**

- 7 inch widescreen
- 800 x 480 pixels
- Video inputs:
  - 2 x CVBS inputs
  - 2 x digital inputs
- Control Interface
  - 1 x CAN bus input
- Optional Projected Capacitive (PCAP) technology touchscreen
- Low latency
- Low SWaP

### **Built Rugged**

The RVDU is built from the ground up to provide optimal performance in the harshest military environments. The IP65 rated display is housed in a fully sealed unit that eliminates the risk of sand or water ingress over the life of the product. Environmentally qualified to meet or exceed demanding military standards, the RVDU supports:

- MIL-STD-461 EMC
- MIL-STD-810 (-40°C to +85°C)
- Shock (non-operating) 75 G (half-sinusoid 6 ms)
- Vibration (non-operating) 2.3 G sinusoidal 20 to 500 Hz

### **Ease of Use**

With buttons located on the front that enable the operator to control screen brightness, select the video input, and illuminate the keys for night mode, the RVDU is designed to maximize ease of use. The display is also available with an optional PCAP touchscreen that uses a conductive grid to

create an electrostatic field, enabling RVDU users to very accurately control their visual data with the touch of one or multiple fingers, or via the use of a conductive stylus.

### **About Curtiss-Wright Rugged Ground Vehicle Display**

Curtiss-Wright offers a full range of rugged ground vehicle displays designed for use in extreme environments and applications. In addition to the 7-inch RVDU, the [GVDU range of displays](#) is available in 10.4, 12.1, and 15.6- inch (for larger sizes, such as 17 and 21.5-inch, contact the factory) these SWaP-optimized displays are fully qualified to established military environmental standards, and support a wide variety of video sources. RVDU and GVDU displays can operate stand alone or as part of an integrated video management system (VMS) that includes Curtiss-Wright's RVG products and the [VRDV7000 video recorder](#).

For more information about Curtiss-Wright's Defense Solutions division, please visit [www.curtisswrightds.com](http://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](http://www.curtisswright.com).

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