



RUGGED DISPLAY & CONTROLLER

WR-DISP-SYS-01

YOUR PLATFORM IN EVERY HAND

The RDC gives users a single device for unmanned system Command & Control, operating PTZ cameras, viewing sensor data, & more. Empower the warfighter with apps to leverage your platform at the highest level of effectiveness.

DRIVE ADOPTION OF YOUR PLATFORM

- Develop an Android™ app to control your product, run your app on the MPU5, and put your app into action with the RDC
- Reduce SWaP on the soldier by delivering control capabilities via software

DEVELOPERS ARE THE KEY TO THE NETWORKED BATTLEFIELD

- Design your applications to succeed in the future – the networked battlefield – where every team member can interface with assets on a common network

BUILD YOUR PRODUCTS FOR THE BATTLEFIELD

- More inputs than standard EUDs – all available via Android™ – give you more ways to control your app
- Optimize app navigation with hot-keys and shortcuts to enable precise control in complexity of the battlefield
- Eight high-precision integrated sensors let you leverage real-world information in real time via the Android™ sensor framework

SIMPLE APP INTEGRATION

- Appears to Android™ as a USB Gamepad, enabling simple, standard user interface in your app
- Wave Relay® MANET appears as a normal Ethernet network so apps can leverage MANET capabilities
- Build your apps the same way you would for any other Android™ device - we do the hard part of designing the controller

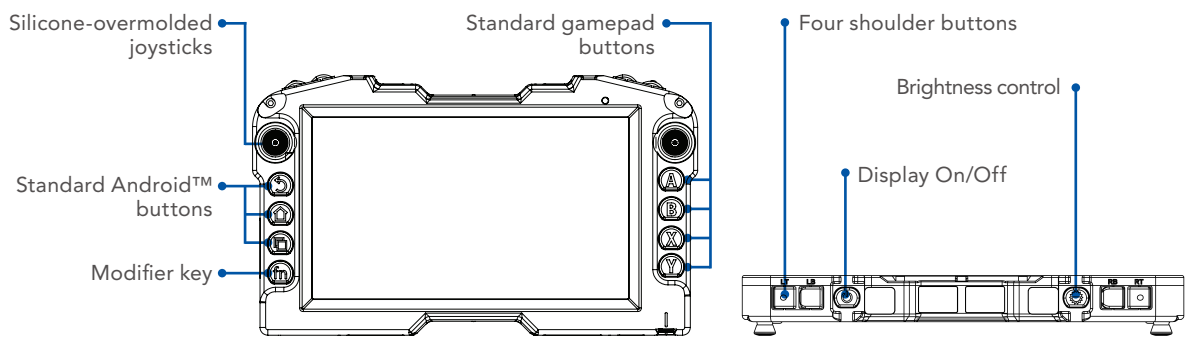
NO NDA REQUIRED

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SPECIFICATIONS

SOFTWARE INTEGRATION	VIDEO Leverages MPU5 Hardware Accelerated Video Decoding	ANDROID™ SENSOR FRAMEWORK COMPATIBILITY <div>Supports: Accelerometer Ambient Temperature Gravity</div> <div>Gyroscope Light Linear Acceleration Magnetic Field</div> <div>Orientation Pressure Rotation Vector Temperature</div>		
DISPLAY	DISPLAY TYPE Thin-Film-Transistor Liquid Crystal Display (TFT) SIZE 5.7 in. 14.5cm RESOLUTION 720x1280 ASPECT RATIO 9:16	ORIENTATION Landscape & Vertical LUMINANCE 100% brightness = 429.72 nits 75% brightness = 334.33 nits 50% brightness = 215.87 nits 25% brightness = 124.91 nits 0% brightness = 12.00 nits VIEWING ANGLE ± 80°	VIEWABILITY Direct sunlight viewable CONTRAST RATIO 900:1 BACKLIGHT Visible in sunlight GLASS 2mm Gorilla® Glass	
 <p>The diagram illustrates the device's physical layout. The front view shows a central display, two silicone-overmolded joysticks, standard Android™ buttons, and a modifier key. The side view shows standard gamepad buttons, four shoulder buttons, a brightness control, and a display on/off switch.</p>				
TOUCH SCREEN	TECHNOLOGY Projected Capacitive	MULTI-TOUCH 5-point		
CAMERAS	LOCATION (1) Rear-Facing	RESOLUTION 5 MP		
FEATURES & CAPABILITIES	JOYSTICKS (2) 2-Axis Joysticks SENSORS Accelerometer/Gyrometer, Compass, Temperature, Pressure, 2x Light	BUTTONS (14) total buttons Button spring force prevents unintentional activation by water pressure up to 20m	MOUSE MODE Pressing the fn and A buttons simultaneously allows user to control cursor with left joystick and click with the A button	
ELECTRICAL	POWER SOURCE Powered by MPU5 – no additional battery required	POWER CONSUMPTION 0.47W (Screen Off) 1.67W (100% brightness)		
PHYSICAL	MATERIAL Aluminum FINISH Cerakote™ COLOR Flat Dark Earth	DIMENSIONS 7.2 x 4.2 x 1.0 in. 18.29 x 10.67 x 2.54 cm WEIGHT 15.59 oz. 442 g	MOUNTING Includes Juggernaut Chest mount 1/4-20 threaded hole for tripod or other mounting system INTERFACES Connects to Dual PTT USB Port	
ENVIRONMENTAL	IP RATING IP68	OPERATING TEMPERATURE -20° to +70°C		

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