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
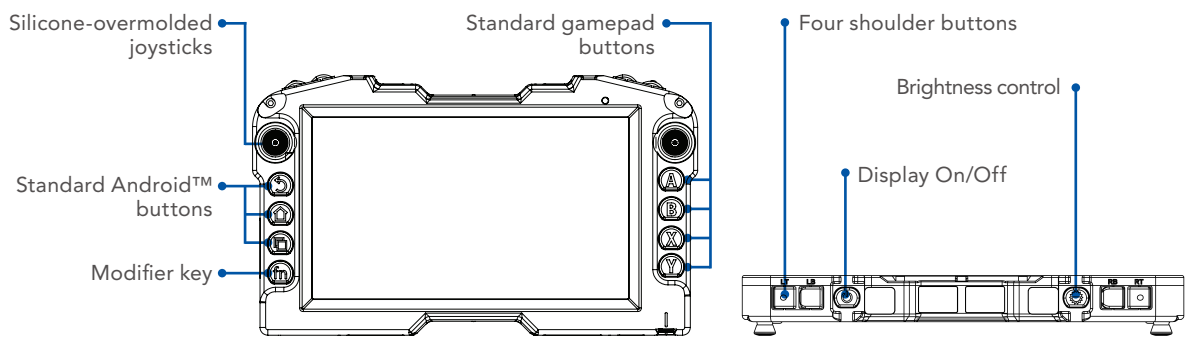
03EN341 Rev. A

PERSISTENT SYSTEMS

SPECIFICATIONS

SOFTWARE INTEGRATION	VIDEO	ANDROID™ SENSOR FRAMEWORK COMPATIBILITY		
	Leverages MPU5 Hardware Accelerated Video Decoding	Supports: Accelerometer Ambient Temperature Gravity	Gyroscope Light Linear Acceleration Magnetic Field	Orientation Pressure Rotation Vector Temperature

DISPLAY	DISPLAY TYPE	ORIENTATION	VIEWABILITY
	Thin-Film-Transistor Liquid Crystal Display (TFT)	Landscape & Vertical	Direct sunlight viewable
	SIZE 5.7 in. 14.5cm	**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	**CONTRAST RATIO** 900:1
	RESOLUTION 720x1280		**BACKLIGHT** Visible in sunlight
	ASPECT RATIO 9:16	**VIEWING ANGLE** ± 80°	**GLASS** 2mm Gorilla® Glass

Silicone-overmolded joysticks · Standard Android™ buttons · Modifier key · Standard gamepad buttons · Four shoulder buttons · Brightness control · Display On/Off

TOUCH SCREEN	TECHNOLOGY	MULTI-TOUCH
	Projected Capacitive	5-point

CAMERAS	LOCATION	RESOLUTION
	(1) Rear-Facing	5 MP

FEATURES & CAPABILITIES	JOYSTICKS	BUTTONS	MOUSE MODE
	(2) 2-Axis Joysticks	(14) total buttons Button spring force prevents unintentional activation by water pressure up to 20m	Pressing the **fn** and **A** buttons simultaneously allows user to control cursor with left joystick and click with the **A** button
	SENSORS Accelerometer/Gyrometer, Compass, Temperature, Pressure, 2x Light		

ELECTRICAL	POWER SOURCE	POWER CONSUMPTION
	Powered by MPU5 – no additional battery required	0.47W (Screen Off) 1.67W (100% brightness)

PHYSICAL	MATERIAL	DIMENSIONS	MOUNTING
	Aluminum	7.2 x 4.2 x 1.0 in. 18.29 x 10.67 x 2.54 cm	Includes Juggernaut Chest mount 1/4-20 threaded hole for tripod or other mounting system
	FINISH Cerakote™	**WEIGHT** 15.59 oz. 442 g	**INTERFACES** Connects to Dual PTT USB Port
	COLOR Flat Dark Earth		

ENVIRONMENTAL	IP RATING	OPERATING TEMPERATURE
	IP68	-20° to +70°C