



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

Camera

Location

(1) Rear-Facing

Resolution

5 MP

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

Electrical

Power Source

Powered by MPU5 – no additional battery required

Power Consumption

0.47W (Screen Off)

1.67W (100% brightness)

Environmental

IP Rating

IP68

Operating Temperature

-20° to +70°C

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

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

Software Integration

Video

Leverages MPU5 Hardware Accelerated Video Decoding

Android™ Sensor Framework

Compatibility

Supports:

Accelerometer

Ambient Temperature

Gravity

Gyroscope

Light

Linear Acceleration

Magnetic Field

Orientation

Pressure

Rotation Vector

Temperature

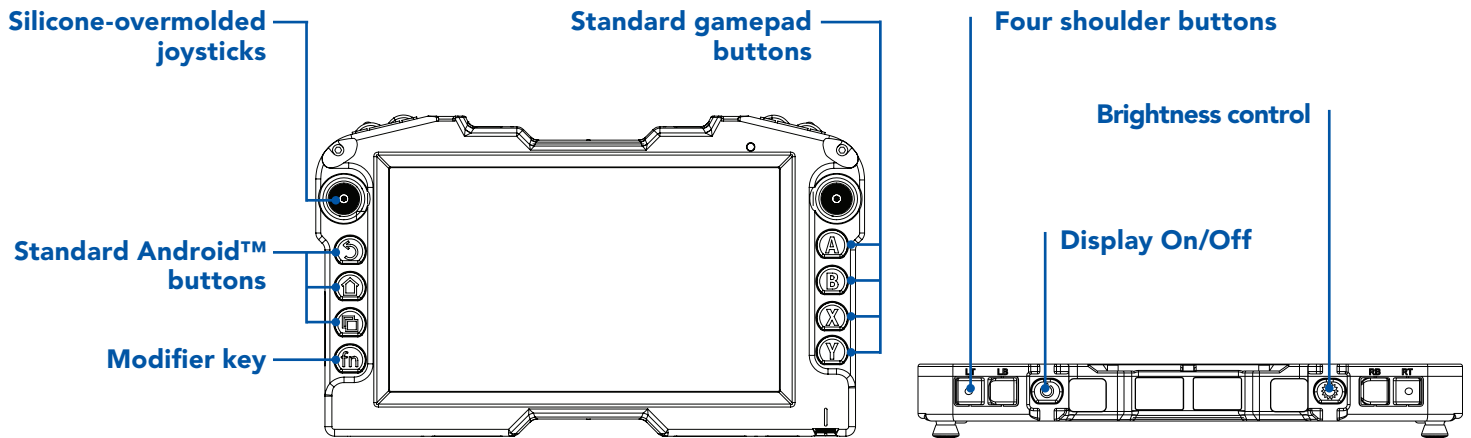
Touch Screen

Technology

Projected Capacitive

Multi-Touch

5-point



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