

# REDIC65

## RUGGED ERGONOMIC DISPLAY INTERFACE CONTROLLER

The Rugged Ergonomic Display Interface Controller (REDIC65) is a superior handheld ambidextrous solution for rugged industrial and military control and monitoring applications. REDIC65 features include tactile bezel buttons, joysticks, activation paddles, and selection triggers to provide operators with remote control of accessory equipment (i.e. aerial lifts, cranes, PTZ control, sensors, turrets, robots and UAVs). Real-time information is displayed on a 6.5-inch LED backlit screen. Anti-reflective and anti-glare treatments provide for enhanced brightness, contrast ratio, dimming ratio and sunlight readability. The REDIC65 has an IP67/NEMA 6 enclosure, making it ideal for use in harsh or outdoor applications.

### STANDARD FEATURES

- (1) RS-422 Serial Communication
- (2) RS-170 Inputs
- (2) RS-170 Outputs
- Auto Sensing NTSC/PAL
- MIL-C Connectors\*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- Tactile Buttons
- 6.5" TFT AM LCD
- MIL-STD-461, 810, 1275 Compliant

### SERIAL INTERFACE OPERATOR CONTROLS

- (2) Analog Joysticks w/ Internal Digital Conversion and Calibration
- Programmable Front Controls:
  - (1) Four Position Switch
  - (2) Two Position Switches
  - (2) Push Button Switches
- Power On/Off, Brightness Up/Down Menu
- Programmable Back Controls:
  - (2) Programmable Paddles
  - (2) Programmable Levers



\* Cables not included

### OPTIONAL FEATURES

- NVIS MIL-STD-3009 Class B White Compliant
- Night Vision Compatible – Monochrome Red/Green



Technical Specifications	
Display	6.5" TFT AM LCD, VGA (640x480); 8-bit color, 16,777,216 colors
Nits	900 nits
Viewing Angle	160° (H) x 160° (V)
Contrast Ratio	600:1
Dimming Ratio	3000:1
Video Inputs	(1) RS-422 & (2) RS-170
Video Outputs	(2) RS-170
Connectors*	MIL-C Connectors
Housing	Milled AL, Black Hard Anodized
Wide Range DC Power Input†	10-36 VDC (12,24,28 VDC nominal)
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
Maximum Power Consumption	20 Watts
Environmental Specifications	
IP Rating	IP67 (NEMA 6 Submersible)
Operating Temperature	-40°C to 71°C (-40°F to 160°F)
Storage Temperature	-51°C to 71°C (-60°F to 160°F)
Humidity	0-100%
Altitude	45,000 ft.
Military Specifications	
MIL-STD-461	EMI
MIL-STD-810	Method 501; Procedure I, Storage; II, Operational, High Temperature
MIL-STD-810	Method 502; Procedure I, Storage; II, Operational, Low Temperature
MIL-STD-810	Method 514; Procedure I, II, V, VI; General Vibration
MIL-STD-810	Method 516; Procedure I, Functional Shock
MIL-STD-1275	Vehicle Power Requirements
MIL-STD-3009	NVIS Compatible (Optional)
MIL-PRF-22885	Sunlight Readability for Push Buttons
MIL-A-8625	Standard Finish, Type III, Class 1 & 2
MIL-PRF-22750	Painted Finish, Optional, Minimum Quantity Required
MIL-DTL-38999	Connector, Qualified

\* - Cables not included

† - The power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.