



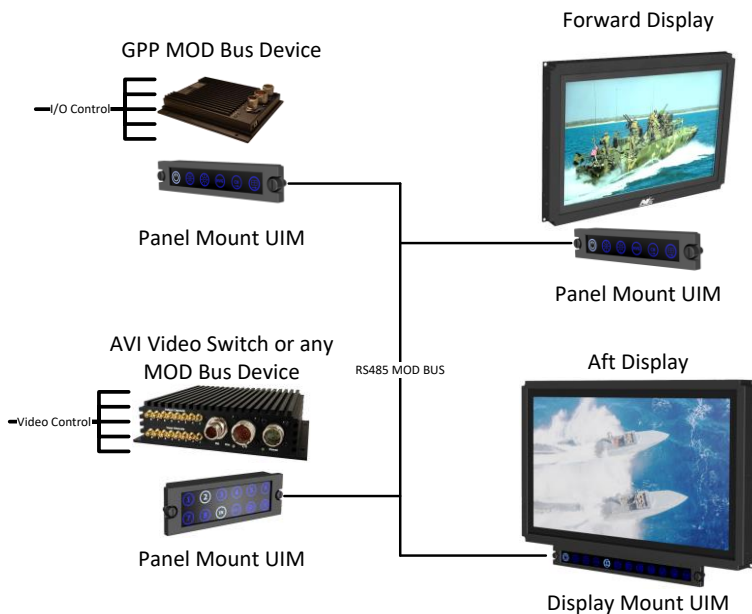
6, 12, and 18 Button User Interface Modules

Overview

The AVI User Interface Module (UIM) is a rugged generic button unit available in a Projective Capacitive or Mechanical Button model. It is capable of stand-alone operation or in conjunction with other AVI products. Standard MOD-BUS protocol allows the unit to be used by any systems that support MOD-BUS or in combination with AVI’s General Purpose Processor (GPP).

Button icons can be customized to match the function required by the application use. Each button can have a symbol or up to three characters of text as needed. AVI’s UIM are available in 6, 12, or 18 button versions. Up to seven modules can be chained together to implement distributed multiple user interface locations within a system design.

AVI’s UIMs provides a unique solution for implementing the human user interface for endless system applications.



Standard Features

- 6, 12, or 18 buttons



- PCAP or Mechanical
- Adjustable brightness
- MOD-BUS RS485 control protocol
- Blue emission between 430 nm and 500 nm for NVGS compatibility
- 5v-12v DC Power
- MIL-STD 38999 circular connector
- -45C° to 70C° operation
- Three-year warranty

Benefits

- Flexible point-of-use control interface
- Light weight and rugged
- Multiple mounting styles – DZUS and direct panel mount
- Unlike switches, PCAPs never wear out
- Dust and water proof
- Custom Icons
- Can support multi-language text



AVI – Optimize your sensor

User Interface Module - Specifications

IO	<ul style="list-style-type: none"> Connector LEMO HEN.2M.310.XLNP <ul style="list-style-type: none"> Mating connector LEMO FGN.2M.310.XLCT 	Environmental	<ul style="list-style-type: none"> Operating Temp Low -45°C DO-160G Cat B2 Operating Temp High +70°C DO-160G Cat B2 Short Term Op Temp Low -45°C DO-160G Cat B4 Short Term Op Temp High +70°C DO-160G Cat B4 Ground Survival Low Temp -55°C DO-160G Cat B4 Ground Survival High Temp +85°C DO-160G Cat B4 Temp Variation 5C° per minute DO-160G Cat B Humidity 38C° to 95@ 50C° DO-160G Cat A Operational Shock 6g @ 11ms, 20G DO-160G Cat B Vibration Random, 10-2000Hz DO-160G Cat U, U2 Explosion Proofness* MIL-STD-810G Method 511.6 Waterproofness Drip Test DO-160G Cat Y Magnetic Effect DO-160G Cat A Power Input* DO-160G Cat A Voltage Spike 2x Line Voltage DO-160G Cat B EMI/EMC Sec 18, 19, 20, 21 DO-160G Cat B, CC, R, M ESD* DO-160G Cat A Ingress Rating PCAP IP68 Ingress Rating Mechanical IP55 Altitude Operating 50,000ft DO160G Cat D1
Model Numbers	<ul style="list-style-type: none"> UIM001-00 Six button PCAP (DZUS Mount) UIM001-01 Six button mechanical (DZUS Mount) UIM002-00 Twelve button PCAP UIM002-01 Twelve button mechanical UIM002-01 Twelve button PCAP two-row (DZUS Mount) (DZUS Mount) UIM003-00 Eighteen button PCAP UIM003-01 Eighteen button mechanical 		
Power	<ul style="list-style-type: none"> +12 V DC 0.024 A @ 12 V DC, Six button 0.046 @ 12 V DC, Twelve button 0.070 @ 12 V DC, Eighteen button 	To be DO-160 Tested *By Similarity	

