

# ComNav<sup>®</sup>



## Sunlight Readable LCDs LED Backlit Displays CS SERIES

### Advanced Technology Engineered for Superior Performance

- 12" and 15" models
- White luminescence LED backlit monitors are super bright for increased reliability and long life
- Superior thermal channel design runs cooler than standard monitors (with built-in auto heater for extreme cold weather)
- Hyper Dimming — knob controls backlight brightness from 0% to 100%
- OSD user control — provides user friendly front panel access
- 1400 nit brightness sunlight viewable — crystal clear enhanced visibility using advanced technology
- Optical bonding LCD technology reduces reflection
- Touchscreen options with anti-glare protective glass
- Multi scan function accepts multi-video inputs, DVI, VGA, S-Video and supports Picture In Picture (PIP) function
- Marine grade corrosion resistant connectors
- IP65 rated waterproof design
- Universal flush or pedestal mounting
- Shock & vibration proof to rugged military specifications
- Wide angle viewing
- Supports 12-36 VDC or 110/240 VAC power supply
- CE, FCC certified, IEC 60945 and RoHS compliant
- 1 year warranty
- Worldwide service

### TFT Characteristics:

|                           |                        |
|---------------------------|------------------------|
| <b>Resolution:</b>        | 12" 1024 x 768         |
|                           | 15" 1024 x 768         |
| <b>Pixel Pitch (RGB):</b> | 0.24 (H) x 0.24 (V) mm |
| <b>Contrast Ratio:</b>    | 1200:1 Max             |
| <b>Light Intensity:</b>   | 2400 cd/m (typ.)       |
| <b>Viewable Angles:</b>   | 120(H);100(V)          |

### Input Signals:

|                                 |                              |
|---------------------------------|------------------------------|
| <b>RGB Signal:</b>              | D-SUB 15P connector (female) |
| <b>Composite Video:</b>         | RCA phono plug               |
| <b>S-Video Signal:</b>          | S-Video (SVHS) plug          |
| <b>DVI-D Signal:</b>            | DVI-D input 24pin connector  |
| <b>DC Power Signal:</b>         | Screw terminal block         |
| <b>AC Power Signal:</b>         | Std IEC Inlet                |
| <b>Touch Screen (Optional):</b> | D-SUB 9P connector (female)  |
| <b>Remote via RS-232:</b>       | D-SUB 9P connector (female)  |

### Power Specifications:

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| <b>Power Supply:</b> | 12 to 36 V DC power supply with Terminal block or 110/240 VAC power supply — adapter included |
|----------------------|-----------------------------------------------------------------------------------------------|

### Mechanical and Environmental:

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Mechanical Mounting:</b>   | Panel (Flush) mount with IP65*,    |
| <b>Operating Temperature:</b> | -15° to 55°C Optional -20° to 60°C |
| <b>Operating Humidity:</b>    | 5% to 95% (non condensing)         |
| <b>Anti-Vibration:</b>        | 5Hz~500Hz / 1G / 3 Axis            |
| <b>Anti-Shock:</b>            | 15G, 11ms duration                 |

\* SAW Touch for IP54

### Certificate & Approvals:

CE, FCC certified, RoHS, IEC 60945 compliant



Dimming



PIP



IP65 proof



OSD front panel



AR safety glass



Anti-corrosion



Touch screen



Wide Voltage application

### Mechanical Dimensions (in/mm):

|             |     | Width       | Height      | Depth      |
|-------------|-----|-------------|-------------|------------|
| <b>C12S</b> | 12" | 13.3"/337mm | 11.5"/293mm | 2.8"/71mm  |
| <b>C15S</b> | 15" | 16.2"/412mm | 13.6"/345mm | 3.15"/80mm |

### User Controls:

- Power On/Off via front buttons
- Variable brightness knob control
- Power mode status LED
- On screen display control (OSD)
- OSD remote control via RS-232

### Available Options:

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| <b>Touch Screen:</b>     | SAW, 5 wire resistive                                        |
| <b>AR Safety Glass:</b>  | 3mm anti-reflective protective glass                         |
| <b>Bracket Mounting:</b> | VESA Mount Bracket                                           |
|                          | Swivel "U" bracket for horizontal or vertical bulkhead mount |



# ComNav®



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Printed in Canada

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*Specifications subject to change without notice*