



MCD-231

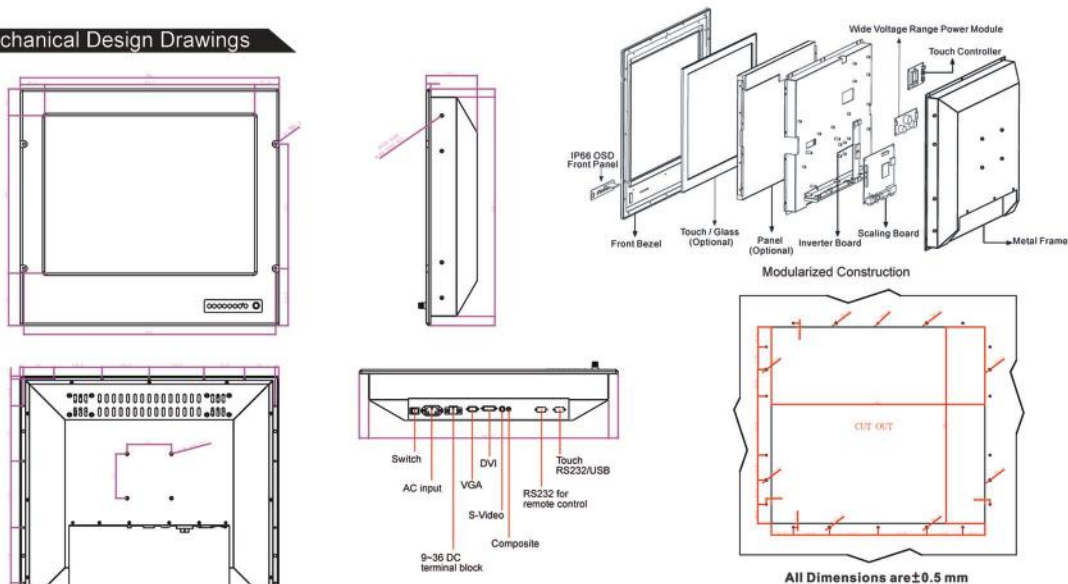
23" MARINE CERTIFIED DISPLAY

Features:



- **Hyper Dimming** : Dimming knob control backlight brightness from nearly 2% to 100%
- **Anti-Corrosion & IP Proof** : IP66 aluminum housing with powder coating design (IP54 rear)
- **Wide Voltage Range Input** : 24V DC Isolated Power Module approve by DNV
- **Touchscreen/ Protection Glass** : High quality touchscreen / AR protection glass for option
- **Multiscan Function** : PIP (picture in picture) function and multi-video inputs
- **IP65 OSD Front Panel Design** : Ease of use front panel OSD control
- **Anti-Shock and Vibration** : Enhanced shock and vibration resistance

Mechanical Design Drawings



* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

TFT Characteristics:

Pixel Number	: 1600 x 1200
Pixel Pitch(RGB)	: 0.294 (H) x 0.294 (V) mm
Contrast Ratio	: 600:1 (typ.)
Light Intensity	: 500 cd/m ² (typ.)
Viewable Angles	: -85~85(H); -85~85(V)
Active Display Area	: 470(H) x 352.8 (V) mm
Max Colors	: 16.7M (8bit/colors)

Input Signals:

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

Certification and Approvals : IEC60945, DNV2.4, IACS-E10 CE, FCC

User Controls:

- Power On/Off via front button
- VR Brightness Knob Control
- Power Mode Status LED
- On Screen Display control(OSD)
- OSD Remote Control via RS-232

Power Specifications:

Power Supply Options	: 24V DC Isolated Power Module approve by DNV
Power Consumption	: 70 W typical, normal operation

Mechanical and Environmental:

- Mechanical Mounting : Panel (Flush) mount with IP66*, VESA, Bracket mounting
- Operating Temperature : -15 to 55 deg.C (-20 to 60 deg.C for optional heating)
- Operating Humidity : 5% to 95% (non condensing)
- Anti-Vibration : 5Hz~500Hz / 1Grms/3 Axis
- Anti-Shock : 15G, 11ms duration
- * SAW touch for IP54

Available Options:

- Touch Screen Options : SAW
- AR Safety Glass Options : 3mm Anti-reflective protection glass
- AC power Options : 90 to 265 V AC power input, Only DC have DNV approval
- Bracket Mounting Options : Yes (One robust bracket can adjust from -10 to 30 deg.)

Note: All specifications are subject to change without prior notice.