AGDISPLAYS
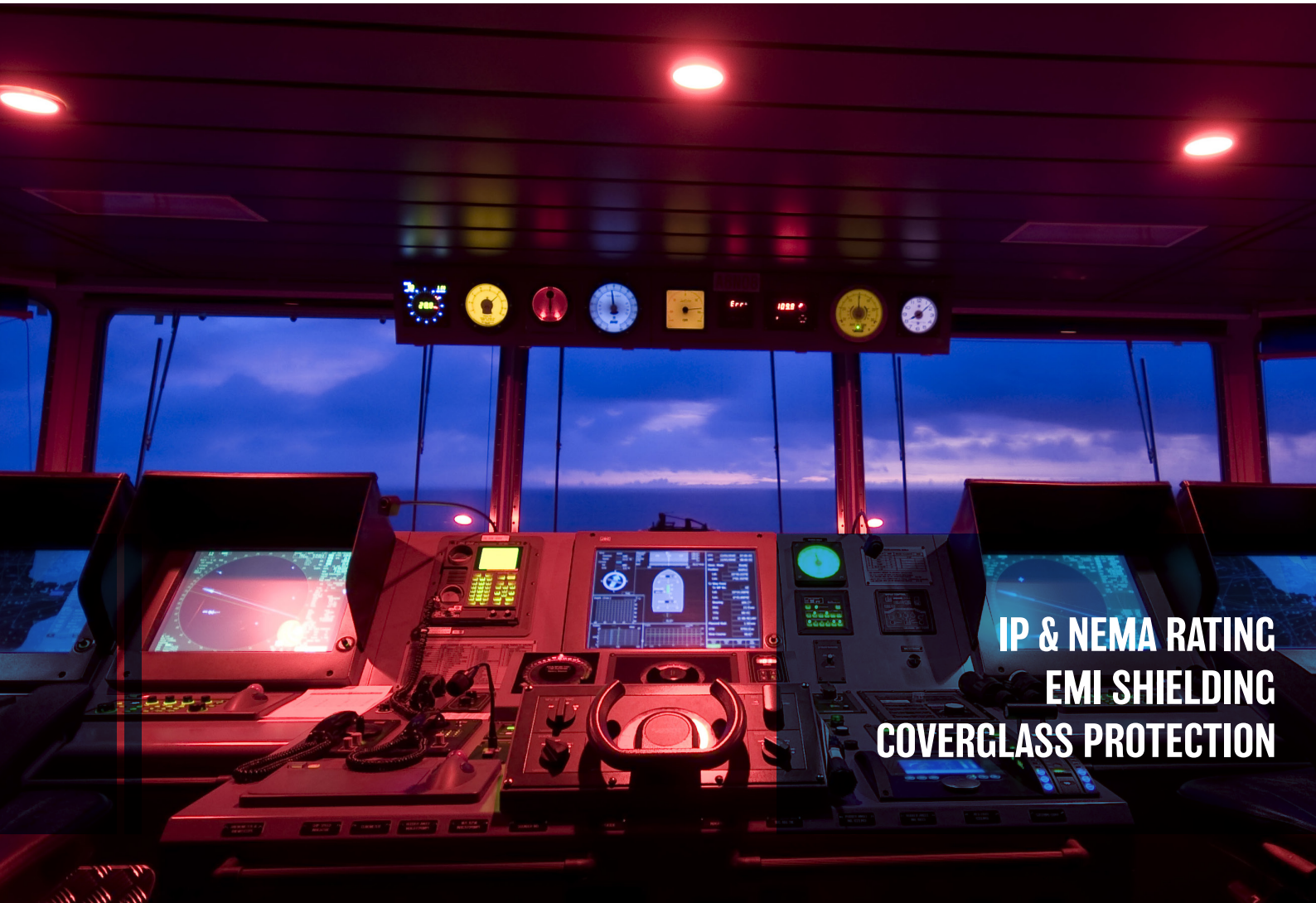
Advanced LCD Solutions Specialist

MARINE
DISPLAYS

IP & NEMA RATING
EMI SHIELDING
COVERGLASS PROTECTION

About Us

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For over a decade ACDisplays has been a leading provider of high quality LCD enhancement products and services for the industrial markets. We lead the way in offering an extensive range of custom panel solutions that improve standard display attributes while maximizing performance in any environment. The ACDisplays teams are experts in LCDs, from building simple or complex designs to integration work including ruggedization.
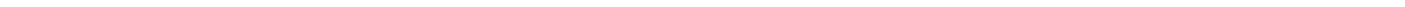
In our 124,000 sq. foot facility, we offer over 800 off the shelf products that include tablets, open and closed frame LCDs and much more. Our knowledge in innovative LCD technology and our high-quality control standards separate us from the rest. At ACDisplays, our teams have a true commitment to becoming your trusted partner.

OUR SERVICES

Off The Shelf LCD Products	Film Enhancements & Repolarization
NVIS Integration and Design	Certificated FAA Part 145 Repair Station
OCA, Optical & Bonding Services	Component Assembly & Integration
Custom LED Integration & Design	LCD Controller, Cabling & Design
Touch Screen Integration & Design	Testing/Certification of EOL Panels
Custom Glass Supply Services	Drop-in Replacement
Turnkey & Design Services	Industrial Repair Program
EMI Shielding & Design	Zero Dead Pixel Inspection

Industries Served

MILITARY

AVIONICS

HOTEL

MARINE

MARKETING

MEDICAL

RESTAURANT

RETAIL

TRANSPORTATION

Marine Displays

Whether your needs require custom-builds, repairs or panel replacement, ACDisplays offers LCD products and solutions to meet maritime applications.

Marine technology demands rigorous specifications and requirements. Electronic devices consist of navigation/GPS systems, chart plotters, fish finders, radar displays and more. Our select ruggedized displays and tablets meet NEMA/IP-ratings to protect against dirt and moisture ingress.

ACDisplays integrates touch screen capabilities and modifications that comply with or exceed standards and enhance panel performance. These services are available to be performed on your existing panel, or a new panel available through ACDisplays.

Paired with additional advanced solutions, your LCD is protected from the intense weather your display may encounter. All design solutions are dependent on individual applications and lead to a completely unique technical solution to fulfill customer requirements.

NVIS DESIGNS

Dual mode high & low LED backlight; passive full front solution.

BONDING DESIGNS

Full range of custom OCA, optical or tape bonding for rugged enhancements.

LED INTEGRATION

Retrofit advanced LEDs for sunlight readability and low power usage.

TOUCHSCREEN INTEGRATION

We offer popular technologies like projected capacitive, resistive, surface capacitive, IR, and SAW touch sensors.

GLASS SUPPLY

Optical clarity, display strength with integrated coverglass & custom screen-print designs.

TURNKEY & DESIGN

Work with our team to create turnkey solutions on new or existing designs.

EMI SHIELDING & DESIGN

Block electronic interference between LCDs & surrounding equipment with EMI solutions.

FILM ENHANCEMENTS

Increase LCD functionality, versatility & performance. Retrofits into any sized LCD.

ASSEMBLY & INTEGRATION

LCD solutions are custom designed to your needs. We source parts & integrate your design in our US-based facility.

Applications

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AUTOPILOTS
CHARTPLOTTERS
DISPLAY COMPUTING
ELECTRONIC CHARTS
FISH FINDERS
NAVIGATION SYSTEMS
RADARS
RUGGED DISPLAYS
SITE ANALYZERS
SONAR
SPECTRUM ANALYZER
SUBMERSIBLE DISPLAY
TRACKING SYSTEMS
WIND ANEMOMETER

NOTE: specifications subject to change without notice.

Featured Marine Display ||

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AG101YA-010N-ROU-V1

Size	10.1"		Touch Technology	Resistive Touch Panel
Resolution	1280x800 WXGA		Total Power	11.66 W
Active Area	216.96 (H) x 135.6 (V) mm		Voltage Supply	3.3V (typ)
Outline Dimensions	227.69 (W) x 148.31 (H) x 7.75 (D) mm		Consumption	0.63/0.89W (typ/max)
Brightness	1000 nits		Current Supply	192/270mA (typ/max)
Display Mode	MVA, Normally Black, Transmissive		Pixel Format	RGB Vertical Stripe
Contrast Ratio	1300:1		Pixel Pitch	0.1695x0.1695
Interface	LVDS		Aspect Ratio	16:10 (H:V)
Surface Treatment	Matte		Weight	350 g (max)
Orientation	Landscape		Storage Temp	-30° to 70°C
Color Depth	16.7M/262K		Operating Temp	-20° to 60°C
Response Time	25 ms		Backlight	WLED
Viewing Angle	85/85/85/85		Position	Edge light
Agency Approvals	RoHS		Lifetime	50k (min) hours

NOTE: specifications subject to change without notice.

Marine Displays

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Part Number	Size	Resolution	Viewing Angle	Brightness
AC070RA-010N-NNM-V1	7"	800x480	80/80/80/80	1000 nits
AC084SA-015N-NNM-V1	8.4"	800x600	80/80/80/80	1500 nits
AC101YA-005N-RTA-V1	10.1"	1280x800	85/85/85/85	500 nits
AC101YA-010N-ROU-V1	10.1"	1280x800	85/85/85/85	1000 nits
AC101YA-A10N-COM-V1	10.1"	1280x800	85/85/85/85	1000 nits
AC121XA-A10N-ROU-V1	12.1"	1024x768	80/80/70/70	1000 nits
AC121XI-A06N-GPE-V1	12.1"	1024x768	80/80/70/70	1000 nits
AC121XA-P05N-COM-V1	12.1"	1024x768	80/80/70/70	500 nits
AC150AX-B16N-ROM-V1	15"	1024x768	80/80/70/70	1600 nits
AC150XA-P03N-COM-V1	15"	1024x768	80/80/70/80	350 nits
AC185HA-A10N-COM-V1	18.5"	1920x1080	89/89/89/89	1000 nits
AC185AZ-A10N-ROM-V1	18.5"	1366x768	80/80/85/85	1000 nits
AC190TA-A10N-RPM-V1	19"	1280x1024	80/80/85/85	1000 nits
AC190TA-003N-GPU-V1	19"	1280x1024	80/80/85/85	350 nits
AC190TA-A10N-NNU-V1	19"	1280x1024	85/85/80/80	1000 nits
AC190TA-010N-COM-V1	19"	1280x1024	80/80/85/85	1000 nits
AC215HA-A10N-NNU-V1	21.5"	1920x1080	89/89/89/89	1000 nits
AC240IA-P03N-CTM-V1	24"	1920x1200	89/89/89/89	300 nits
AC240HA-B05N-COM-V1	24"	1920x1080	89/89/89/89	500 nits
AC240HA-B10N-COM-V1	24"	1920x1080	89/89/89/89	1000 nits
AC270HA-010N-NNM-V1	27"	1920x1080	89/89/89/89	1000 nits

NOTE: specifications subject to change without notice.

Featured Marine Display ▮▮

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AG240HA-B10N-C0M-V1

Size	24"		Touch Technology	None
Resolution	1920x1080		Total Power	30W
			Interface Input Voltage	5.0 V
Active Area	531.36 (W) x 298.89 (H) mm			
Outline Dimensions	556 (W) x 323.2 (H) x 17 (max) mm		Consumption	24W
Brightness	1000 nits		Pixel Format	-
Display Mode	AMVA3, Normally Black, Transmissive		Pixel Pitch	0.27675 x 0.27675 mm
Contrast Ratio	5000:1		Aspect Ratio	16:9
Interface	LVDS		Weight	-
Surface Treatment	Matte		Storage Temp	-30° to 80°C
Orientation	Landscape		Operating Temp	-20° to 70°C
Color Depth	16.7M		Backlight	WLED
Response Time	16/9 (Typ.) (Tr/Td) (ms)		Position	Edge light (bottom)
Viewing Angle	89/89/89/89		Lifetime	50K (min) hours

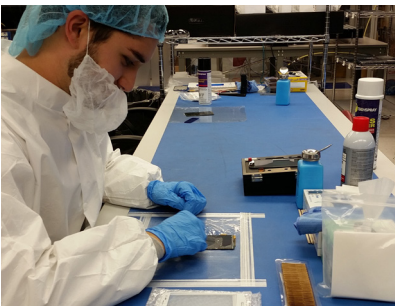NOTE: specifications subject to change without notice.

Thank You

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COMMUNITY OF EXPERTS

Whether we are met with a new design or challenged with improving an existing design, AGDisplays supports your team by delivering unparalleled LCD expertise and technology. AGDisplays' partners benefit from our efficient design process and our dedication to creating quality design solutions.

We saw the need for off the shelf products, so we've added an expansive line of open/closed frame LCDs, digital signage, and all-in-one products. We offer unique LCD products like advanced touchscreen tabletops, high quality medical displays and rugged mobile devices. All of which can benefit from our value add integration services. Our products are used across many industries including Military, Avionics, Marine, Industrial, Medical, Transportation and many more.

CERTIFICATIONS

AGDisplays values high-quality working and design standards. We support your teams with the knowledge & expertise needed to make strategic design and manufacturing decisions.

CERTIFICATED PART 145
REPAIR STATION

AGDISPLAYS IS
ISO 14001, 45001 & R2
CERTIFIED

CONTACT US

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