

Market Partners

•All American	www.allamerican.com
•Arrow	www.arrow.com
•Avnet	www.avnet.com
•Elo Touch Systems	www.elotouch.com
•Inelect	www.inelect.com
•Link Comm	www.lnkcom.com
•Marine Computer Technology	www.mct1.com
•Pelican	www.pelicanmobile.com
•Smartdesks	www.smartdesks.com
•Vecna	www.vecna.com
•Xybernaut	www.xybernaut.com

Contact IDE today
to learn how we can

“enhance your point of view!”

Call 410.944.2762

Or email
Solutions@ide-usa.com



**Information
Display
Enhancements**

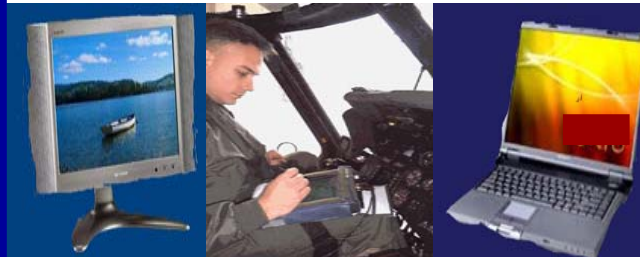
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Authorized
Fujitsu
Service Provider



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IDE will

“enhance your point of view.”



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Supported LCD Manufacturers

AU	LG
BATRON	NEC
CHI MEI	OPTREX
FUJITSU	SAMSUNG
HITACHI	Sanyo
HYDIS	SHARP
Hyundai	Torisan
IBM	TOSHIBA
Kyocera	UNIPAC

....more



Information Display Enhancements, Inc.
1720 Belmont Avenue, Suite E
Baltimore, MD 21244

Phone 410.944.2762 / Fax 410.944.3814

Utilizing

“State-of-the-art Technology”

to

identify problems,
provide solutions,

manufacture a
cornucopia of

LCD enhancement
products and services.

Products & Services

IDE is an LCD and systems value-add solution provider, offering a complete range of innovative products and services for industrial, government, aerospace, security and computer markets by improving standard attributes to meet demanding application designs.

Visibility problems are inherent with LCD displays under certain lighting and environmental conditions. Enhancements and value-adds can be customized to maximize attributes for application requirements.

IDE's goal is to maintain its position as a leading provider of high-quality enhancement products and services for the LCD market. IDE depends solely on market partners to present IDE with value-add design opportunities. IDE is, in the truest sense, an LCD market "solutions provider."

Our A+ and ISCET certified technicians, supported by electrical and design engineers coupled with a complete research & development staff, can develop a single prototype or mass produced, ready-to-use turnkey units, achieving or exceeding price/performance goals.

If you have an LCD, IDE can
"enhance your point of view."



Information Display Enhancements, Inc.

Enhancement Options

■ Passive Enhancement

- Brightness increase 33% to 300%
- Reduced glare/reflection up to 95%
- Increase contrast ratio by 25% to 275%
- No additional power requirements
- No change in LCD profile dimensions
- Sharper color saturation and contrast
- Simulate transfective performance while maintaining transmissive attributes

■ Active Enhancement

- Extra bright for sunlight viewable
- Original profile – no dimensional change
- Excellent heat dissipation
- Custom programmable digital dimming control
Ask for "Perfect Bright"
- Can be integrated with passive enhancements

■ Direct Backlight

- Creates greater depth
- Brightness can exceed 1,500 nits
- Low profile – typically 0" to .50" increase over standard

■ Readability

- Anti-reflection
- Anti-glare
- Wide View
- Restricted View
- Bonding

■ Night Vision

- External or internal light pipe night vision filters
- Can be installed with both passive or active enhancements
- CCFL or LED dimming to ½ nit

■ LED Backlight

- The alternative to the CCFL
- Life=100,000 hours and "Perfect Bright"
- High performance sufficient for all applications
- "Right-fit" LCD regardless of size & thickness
- Simple driving circuit
- Low voltage compatible
- Fastest response time
- -40C no delay full brightness
- Full & flicker-free dimming at all temps down to NVG
- Auto & manual non-linear, programmable dimming control
- Programmable chromaticity adjustments
- Night vision solutions
- Ruggedization superior
- Mercury-free

NEW!

Additional Products & Services

- Research & Development
- Environmental Testing
- Supporting documents from design to production
- Design To Value-Add To Full Assemblage
- Shields: EMI, Tempest, Anti-thermal, Vandal, NEMA
- Ruggedized LCDs, computers, enclosures
- Man-machine interface, Touch, Active pen
- After-market value-add LCD Monitors, LCD computers
- Full logistic services including "blind" shipments, blanket orders, satellite warehousing, repair terminal
- Warranties: Serialized, Extended, Specialty
"Perfect Bright"- 3 year warranty

Quality Assurance

- Two Clean Rooms with Class 100 Flow Benches
- Rigorous 100% In/Out QC process
- BOM & SOP for all enhancements to ensure consistent quality and cost containment
- Procedural documentation for production consistency
- Serial number tracking for audit & warranty purposes

