“Experience the Difference"
Company History

- Parent Company Kessler Ellis Products has been in business 50 years, Engineering and Manufacturing process control flow instrumentation, Industrial Electronics and HMI software,
- The nautical division KEP Marine was established in 1999.
- Our 31,000 square foot manufacturing plant is located in Eatontown NJ, 7 miles south of Sandy Hook Bay.
- We have a sales office in Hobe Sound Fl.
Product Offering
Sunlight Readable Monitors
Pilothouse Monitors
Commercial Monitors
Marine Computers
Vessel Monitoring Software
Multimedia Entertainment Systems
Marine Software
KEP-Cam Video Recording
Integration Control and Switching
Product Offering
Monitors Size Range

- KEP-M / Pilot House
  - 12”, 15”, 17”, 19”, 21”, 24”
  - Touch Screen optional

- KEPMGB
  - 15”, 17”, 19”, 21”, 22”, 24”
  - Dual Touch optional

- KEP LITE
  - 12”, 15”, 17”, 19” NEW 21” widescreen
### FRONT PANEL CONTROLS

<table>
<thead>
<tr>
<th>BUTTON</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA1</td>
<td>SELECTS VGA1 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>VGA2</td>
<td>SELECTS VGA2 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>VGA3</td>
<td>SELECTS VGA3 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>DVI1</td>
<td>SELECTS DVI1 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>DVI2</td>
<td>SELECTS DVI2 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>V1</td>
<td>SELECTS V1 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>V2</td>
<td>SELECTS V2 AS THE MAIN INPUT.</td>
</tr>
<tr>
<td>V3/↓</td>
<td>SELECTS V3 AS THE MAIN INPUT/ MOVE CURSOR DOWNWARD DURING MENU OPERATION</td>
</tr>
<tr>
<td>SV/↑</td>
<td>SELECTS SV AS THE MAIN INPUT / MOVE CURSOR UPWARD DURING MENU OPERATION</td>
</tr>
<tr>
<td>MENU</td>
<td>ENTER/EXIT USER MENU / MOVE BETWEEN TOP MENU ITEM</td>
</tr>
<tr>
<td>PIP</td>
<td>SELECTS PIP FUNCTION / ENTER COMMAND DURING MENU OPERATION</td>
</tr>
<tr>
<td>DIM-</td>
<td>ADJUST BACKLIGHTS DOWN / DECREASES AN ADJUSTMENT OR SELECT ATTRIBUTE IN MENU</td>
</tr>
<tr>
<td>DIM+</td>
<td>ADJUST BACKLIGHTS UP/ INCREASES AN ADJUSTMENT OR SELECT ATTRIBUTE IN MENU</td>
</tr>
<tr>
<td>POWER</td>
<td>POWER ON/OFF / SHOW HELP SCREEN</td>
</tr>
</tbody>
</table>
KEP M - Glass Bridge Inputs

- 3 VGA
- 2 DVI
- 3 Composite
- 1 S-Video
- Ethernet port for communicating via Bridgeview / Crestron controller
Typical Installation
Pilot House Monitoring Systems
Glass Bridge Displays

• Display Features
  Dual Touch Technology
  • Modern sleek design
  • Exceptional sunlight-viewing
  • Easy to use dual touchscreen control (option)
  • Maximized screen size for space-restricted helms
  • Compatible with RS232 control systems such as the popular Bridgeview and Crestron
  • Large selection of inputs
  • Night mode and dim to black
Typical Installation

- DVI Input
- VGA Input
- VGA Input
- Composite video, S-video input
- Power IN from ship's supply
- DVI Output
- VGA Input
- VGA Output
- VGA Output
- S-Video Output

Connections to:
- Navigation Display
- Laptop
- Server
- Projector
KEP GB Remote Keypad

- 3 Button keypad
- Easy to access Menu & inputs.
- Control Diming
- Turn on and off Night Mode
- Waterproof IP65 rated
Easy Operation

* Center Key - Power on/off and Enter.

* + and − Key - Brightness, Scroll, Settings Menu, Factory Menu
KEP Lite Series

- 1000 Nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- -10°C~50°C Wide Operation Temperature
- Advanced Optical Bonding (AOT)
- Resistive Touch Support (option)
- IP65 Waterproof
- 9~36V DC input
- VGAx1, DVIx1, Composite x3, RS232x1, USBx1
- 1 Year Warranty No Advanced Replacement
BridgeView Monitor Management

- Manage all monitors with one touchscreen display
- Control Inputs and Outputs from Extron Switch
- 7” Color TFT display (optional 8” display)
- Fast touch action
- Simple setup
ENIX 2000/3000 Series Approved Computers

- IEC60945 Marine Certified
- 3U High Performance Fanless Computer
- Rugged Chassis w/ heat pipe cooling system
- Intel I5 and I3 Processor
- Isolated 24 vdc power input
- Matrox 690 Dual/Quad Graphic Card
- Isolated Serial Boards from Moxa
- Dual HD Drawer
- VGA, HDMI, DVI-D
- 9 x RS232, 1 x RS422/485, 4 xSATA 3 GB, 2 x SATA 6GB, 10 USB2.0, 2 USB 3.0
KMPC

- Powerful I3 Intel CPU
- 500 GB Harddrive Storage
- 4GB Ram
- 9-42 VDC
- Video Radeon 4200 w/ VGA, DVI, HDMI
- 6x USB, 3 x RS232
- Low Profile Tough Case
KEPMPC Series

- Powerful Processing W/I5 CPU
- 1 or 2 Terabyte hard drive option
- 8 to 32 GB Ram
- 9-42 VDC
- Video Radeon 4200 w/ VGA, DVI, HDMI
- 6 x USB, 5 x RS232
- Low Profile Tough Case
KEPMPC-RAC-NAV

- Powerful Intel I7 CPU
- 1 or 2 Terabyte hard drive option
- 32 GB Ram
- 9-42 VDC
- 500 GB Removable Drive option
- 6 x USB, 5 x RS232
- Built in NMEA 2000 Gateway
- Built in UPS
- Pre-loaded w/ AIS, GPS, Weather
KEPcam Video Recording System

KEP cam Computer / Recorder System
- Incredible processing power of up to 12 gigahertz
- Supports up to 16 Camera inputs
- Real Time Recording at 30 FBS
- Massive hard drive storage 2 X 500 GB
- Power supply options : 12DC 110AC or 220VAC

Camera Features
- NEMA 4X IP67 IP2HD High Def Camera
- External Focusing & Zooming Ring
- Polarized Lens Filter
- Drop in replacement for WATEC
IP2HD Camera

Key Features:

- High Definition 2 Mega Pixel Image Resolution
- “True” Day/Night Operation with Mechanical IR cut-out filter for optimized night-time operation.
- Built-in Infra Red Illuminators. Working IR Distance >10 meters.
- Up to 30fps @ 1080p Full HD.
- Supports H.264, MPEG-4 and MJPEG triple codec compression with dual streams.
- Wide Dynamic Range Image Processing.
- IP67 Waterproof Rating.
- Built-in local storage for back-up recording.
- PoE 802.3af compliant, and DC 12V Power.
- Supports ONVIF standard to ensure reliable interoperability.
**Equipment Setup**

**Camera Connections**
- Connect composite video outputs to the fan-out cable BNC connectors. Adapters may be required. To complete your setup, connect the multiport cable to the 25 pin port on the rear of the computer. Typical input setup:
  1. AR Deck
  2. Port Side
  3. Starboard Side
  4. Engine Room / Spare

**Remote Setup**
- To enable remote control operation, connect the cable from the white remote module to the wide I/O port on the rear of the KEP-CAM system, see callout #2.

1. Connect the multiport cable to the 25 pin port on the rear of the CAM JR.

2. Connect the cable from the white remote module to the wide I/O port.

3. Left click to initiate video recording. When icon is red, recording is active.

4. Arm and disarm motion detection recording. When icon is red, motion detection is armed.

5. To start recording on all cameras, simply click the larger blue button. To stop recording on all cameras, click the smaller blue button.

**Recording Mode**

**Start and Stop Recording**
- To manually initiate recording please see callout #3
- To record based on motion detection please see callout #4
- To start or stop all cameras with the remote control, see callout #5

Left click to toggle between archive and live mode
Left click to set a Bookmark while recording to ease future searches
Sample Private Yacht Architecture

- PTZ Camera
- High PoE Module
- COAX
- Encoder
- Clients WebView
- SmartPhone/Pad & Laptops
- IP Cams
- PoE GB E
- WIFI
- GB E Network
- Second Station Remote Client
- CCTV and Guest Cameras
- Monitor 1 CCTV
- Monitor 2 Guest Cameras
- Video Switch
- Monitor 2 Guest Cameras
- Monitor 1 CCTV
- Wireless KeyFob Start / Stop Recording
- Wired Start / Stop Recording With Light Indicator
- Underwater Camera
- SecuROS & WebView Server
- Email Notification Server
- Security Mode Alarm Light
- Captain S/R, Crew Mess, Control Room Monitors
- TV/Video systems
Marine Certified Trackballs

IEC 60945 certified 50 mm laser trackball units

50 mm laser trackball - vandal proof
Certificate of conformity, fully compliant with IEC60945
IP65 / IP68 sealed
Removable top for easy cleaning of ball compartment
9 versions in blank or blackened stainless steel
Stainless steel carrier and switches
Front panel mounting (holes or studs) or enclosed version
Combo PS/2 & USB output
Keyboards

- IP68 Waterproof
- Rugged Design
- IEC60945 Approved
- Panel mount or Enclosed options
IVMS is a PLC based full featured vessel monitoring software system and is only limited by the vessel’s controller functionality. KEP-Marine uses Wago as a standard controller because of its robustness and multitude of marine certifications, but we can use others as requested. IVMS is ideal for monitoring and recording all tank levels, engine data, voltages, lighting control, and nearly any other data on the boat. It provides a structured, graphical interface to your vessels operation. With powerful user-configurable graphics, you can modify the screens to meet your own customized requirements.
NEW Products
Coming Soon From

KEF MARINE
KEPL-21W

Features

• 1000 Nit Sunlight Readable
• Low Power Consumption LED
• Advanced Optical Bonding
• Shock and Vibration resistant
• Waterproof Face
• Resistive Touch Support
• 9-36 VDC
New Programable Keyboards and trackballs
New

Modular IP68 TOUCH range

New Keyboard & Trackball Touch platform
Scroll • Customization • Backlighting • Flexibility
NEW TXC50F8 Waterproof Trackball

Features

• TXC50F8 IP68 Waterproof Chameleon Trackball
• Adjustable Color Ring
• Rugged Construction
New Glassbridge Display Control

- Sleek Glassbridge Design
- Easy Touch Operation
- On/Off, Brightness and Input Selection
NEW Sunlight Bridgeview

Features

- Sunlight Viewable
- Easy Programming
- Fast response
- Clean appearance
Waterproof Selector Switch

- Flybridge or Pilothouse
- Rugged KEP Quality
- Customizable – Video input selection - Camera selection – Matrix selection
- Mimic Common Navigational Commands
- Easy to Install
LED Backlight Versions