N2KView® Vessel Monitoring & Control Software

Server / Client Architecture

- ✓ Server (N2KServer®) Collects Information from NMEA 2000® Network and Distributes Data to Clients (N2KView®) via Standard Internet Protocol (TCP/IP)
- ✓ N2KServer® Runs on PC or Maretron's Internet Protocol Gateway (IPG100)
- ✓ Clients May Reside on Same Computer as Server, or Other Vessel Computers Networked via Ethernet, or Remote Computers via Internet Connection
- Licensing Administered with USB Hardware License Key (Dongle)
- ✓ Dongle Plugged Into PC or IPG100 Depending on Where N2KServer® is Running







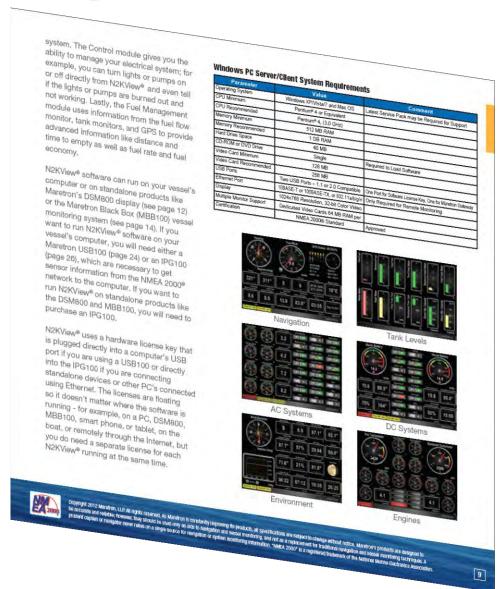
N2KView® Vessel Monitoring & Control Software

N2KView®-Base

✓ Vessel Monitoring Including Engines, Gensets, Tanks, Rudders, Navigation Instruments, Weather, Battery Monitor, DC/AC Parameters, Safety Systems, Security Systems, Etc.

N2KView® Optional Modules

- ✓ Alerts (Alarms and Warnings)
- ✓ Local and Remote Video
- ✓ Control (Electrical Switching, SeaRecovery and Dometic Control)
- **√Fuel Management**



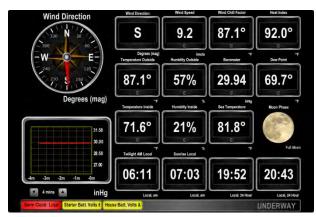


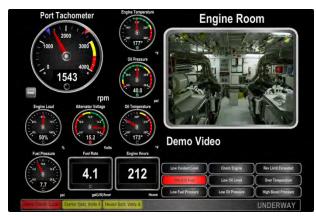
N2KView® Vessel Monitoring & Control Software

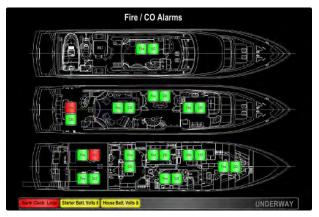
- Optimized for Touchscreen Interface (Full Support for Keyboard and Pointing Devices)
- Favorite Screens are Completely User Defined and Tailored for Installed NMEA 2000® Sensors
- As Many Favorite Screens as Desired with User Defined Tab Names
- User Defined Background Images (Vessel Profiles, Deck Views, Systems Diagrams, etc.)
- Integrated Video with Pan, Tilt, and Zoom Controls
- Comprehensive Alerts System
 Showing Alarms and Warnings at
 Bottom of Screen (Simple One
 Touch Acknowledge)
- Emailing On User Selectable Alerts
- User Defined Graphs for Monitoring Trends













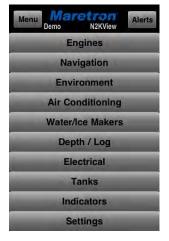


N2KView® Mobile

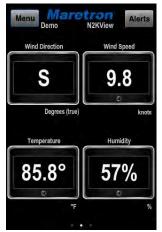
- Requires Hardware License Key (Plugged Into PC or IPG100)
- Available for iPod, iPhone, iPad (Free Download from iTunes)
- Available for Android Smartphones and Tablets
- Favorite Screens are Completely User Defined and Tailored for Installed NMEA 2000[®] Sensors
- As Many Favorite Screens as Desired with User Defined Tab Names
- Integrated Video with Pan, Tilt, and Zoom Controls
- Comprehensive Alerts System Showing Alarms and Warnings

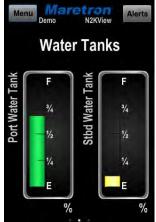












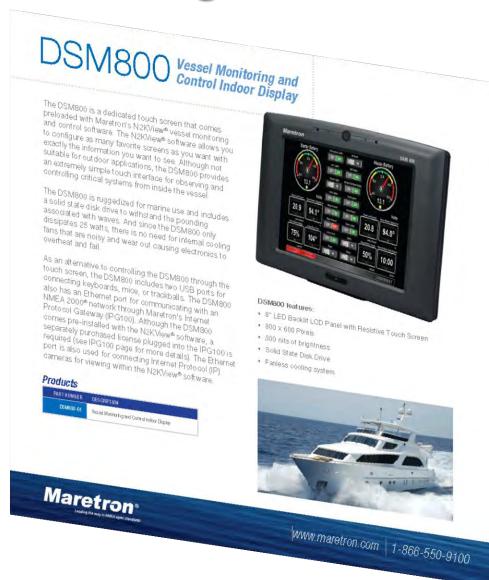






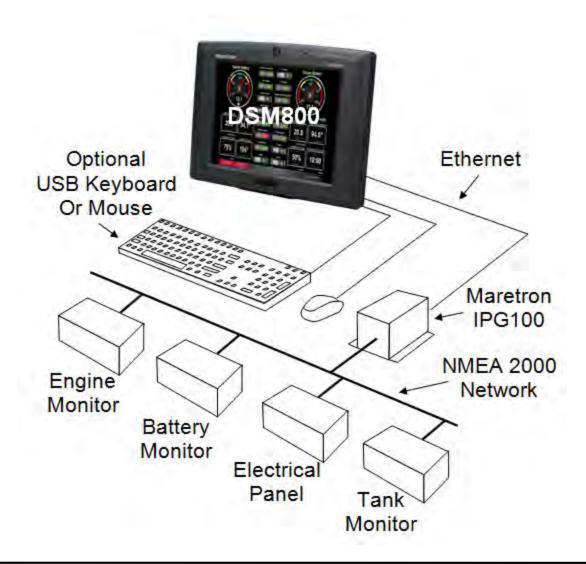
Touch Screen Vessel Monitoring and Control

- Indoor 8" 800x600 LED backlit LCD panel Resistive Touch Screen (300 nits)
- Dedicated Hardware Boots and Runs N2KView®
- Fanless (Salt Air Not Pulled through the Unit)
- 12VDC Power, Supply 25 Watts
- Giga Ethernet Port
- 2 USB 2.0 Ports
- 2 Serial Ports (RS232/422/485)
- IP64 Compliant Front Panel
- Supported Drivers
 - > USB "Standard" Keyboards, Mice, Trackballs
 - Supports Bluetooth mice and keyboards with built-in Bluetooth adapter





DSM800 Network Diagram





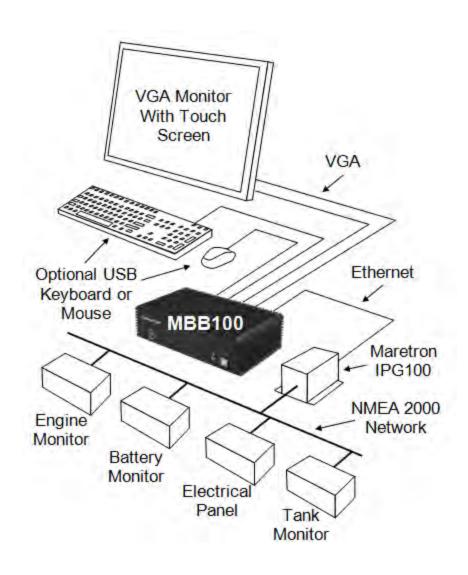
Black Box Vessel Monitoring and Control

- Dedicated Hardware Boots and Runs N2KView[®]
- Fanless (Salt Air Not Pulled through the Unit)
- 9-36VDC Power Supply, 19 Watts
- Single VGA Port
- RS232 Ports (Only One used for Touchscreen)
- GigaBit Ethernet (Connection to IPG100)
- 4 USB Ports (Keyboard, Mouse, Touchscreen)
- Supported Drivers
 - USB "Standard" Keyboards, Mice, Trackballs
 - Supports Bluetooth mice and keyboards with built-in Bluetooth adapter
 - ➤ USB Touchscreens (ELO, 3M Microtouch, Hampshire TSharc, Penmount)





MBB100 Network Diagram



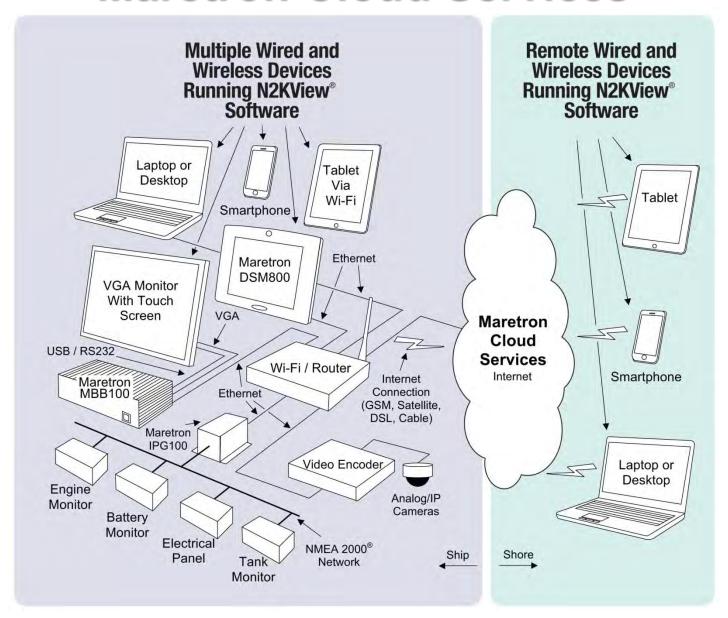
Maretron Cloud Services

- Remotely and Seamlessly Connect to Vessel Using N2KView[®] and N2KView[®] Mobile
- Uses Vessel's Internet Connection to Monitor and Control Vessel from Anywhere in the World
- Utilizes Vessel's Existing Internet Connection (Satellite, GSM, WiFi, etc.)
- Monthly Data Rates Yearly Subscription
 - > 25GB/Month \$295/Year
 - > 50GB/Month \$495/Year
 - > 100GB/Month \$895/Year





Maretron Cloud Services



Multi-Function Color Display

- Sunlight Viewable
- Interprets and Displays Most NMEA 2000® Data
- 16 User Configurable Favorites Screens
- Computed Fuel Management Displays
- Flush, Surface, or Gimbaled Mount
- Available in Black, Gray, and White Enclosures
- Configures Maretron Products
- Audio and Visual Alarms





Alarm Module

- Visual & Audible Alerts
 - ✓ Triggered by N2KView® or DSM250
- Loud Alarm (105dB)
 - ✓ Mechanical Damper
 - **✓ Distinctly Selectable Tone Patterns**
- Green Operating LED and Red **Alarm LED**
- Mounts in Standard Electrical Box
- Waterproof
- Black or White Face Plate

Maretron's Alarm Module generates visual and audible alerts for any monitored condition. The Alarm Module

includes an extremely loud 105 dB SPL Piezoelectric sounder, along with a red high-brightness LED to indicate an alarm condition. A second green LED incidates that the Alarm Module is powered and ready to be triggered. The audible alarm can sound any one of 32 distinct pre-programmed patterns to indicate different alerts. The Alarm Module can be triggered by alarms generated by Maretron's N2KView Vessel Monitoring System, or by Maretron's DSM250 Color Graphics Display. The Alarm Module mounts in a standard electric box or can be flush mounted on any surface. Completely waterproof, the Alarm Module can be mounted inside or outside the vessel,





- NMEA 2000® Network Interface
- Super loud 105dB audible alarm
- Bright Red LED visual alarm
- Green LED status indicator
- Mounts in standard electrical wall box or flush
- * 32 selectable alarm patterns
- Waterproof Can be mounted indoors or outdoors

Products

AFTE BUTTON WITH BLACK COME PLANS ALMICO Black Cover Plate

www.maretron.com | 1-866-550-9100

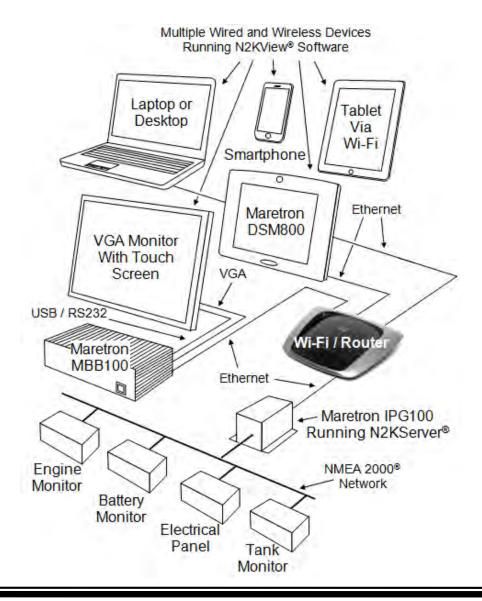


Linksys E2000 Wireless-N Router

- Preconfigured with SSID
 (Maretronxxxx) and Password
 (Found on Underside Label)
- Simple User Configuration DHCP Reservation Reserves N2KServer® IPG or PC IP Address
- Supports either 2.4GHz or 5GHz bands
- Up to 300 Mbps wireless speeds
- Three internal antennas
- Supports WPA/WPA2 wireless security
- Four Gigabit Ethernet ports for wired connections



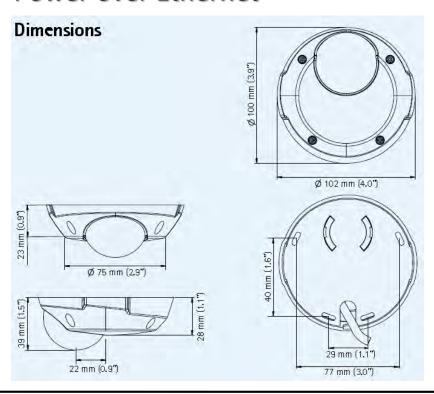
Linksys E2000 Wireless-N Router Diagram



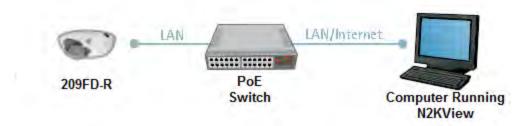


AXIS 209FD-R Fixed Indoor IP Camera

- Flat Design (39mm)
- Progressive Scan Technology
- Vibration, Humidity, Dust Resistant
- Low Light (1.5 lux)
- Resolution 640x480
- Power over Ethernet



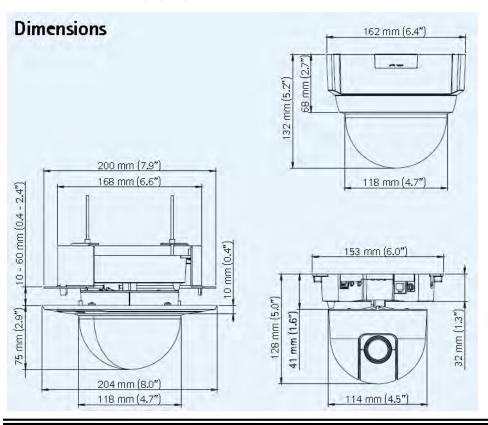




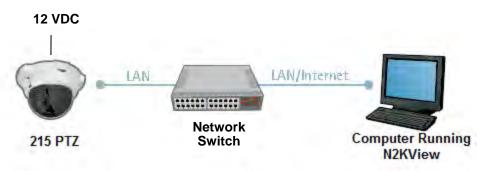


AXIS 215 PTZ Pan, Tilt, & Zoom IP Camera

- 12x Optical Zoom
- Auto Flip
- Day and Night Mode (0.3 lux BW)
- Resolution 704x576
- 12 Volt Supply









AXIS 241S (Single) and 241Q (Quad) Encoders

- High Quality De-Interlaced Video
- MPEG-4 Compression
- 241Q 20/17 (NTSC/PAL) fps
- 241S 30/25 (NTSC/PAL) fps
- Resolution 704x576
- 7-24VDC Volt Supply



