

The  
POWerview™

# 750



MURPHY®

CHANGE YOUR WORLD

## IMAGINE... YOUR DREAM DISPLAY

Imagine you could change anything about your display – what would it be?  
A different shape? Better software? Updated inputs?

That's the promise of the PowerView 750 display.

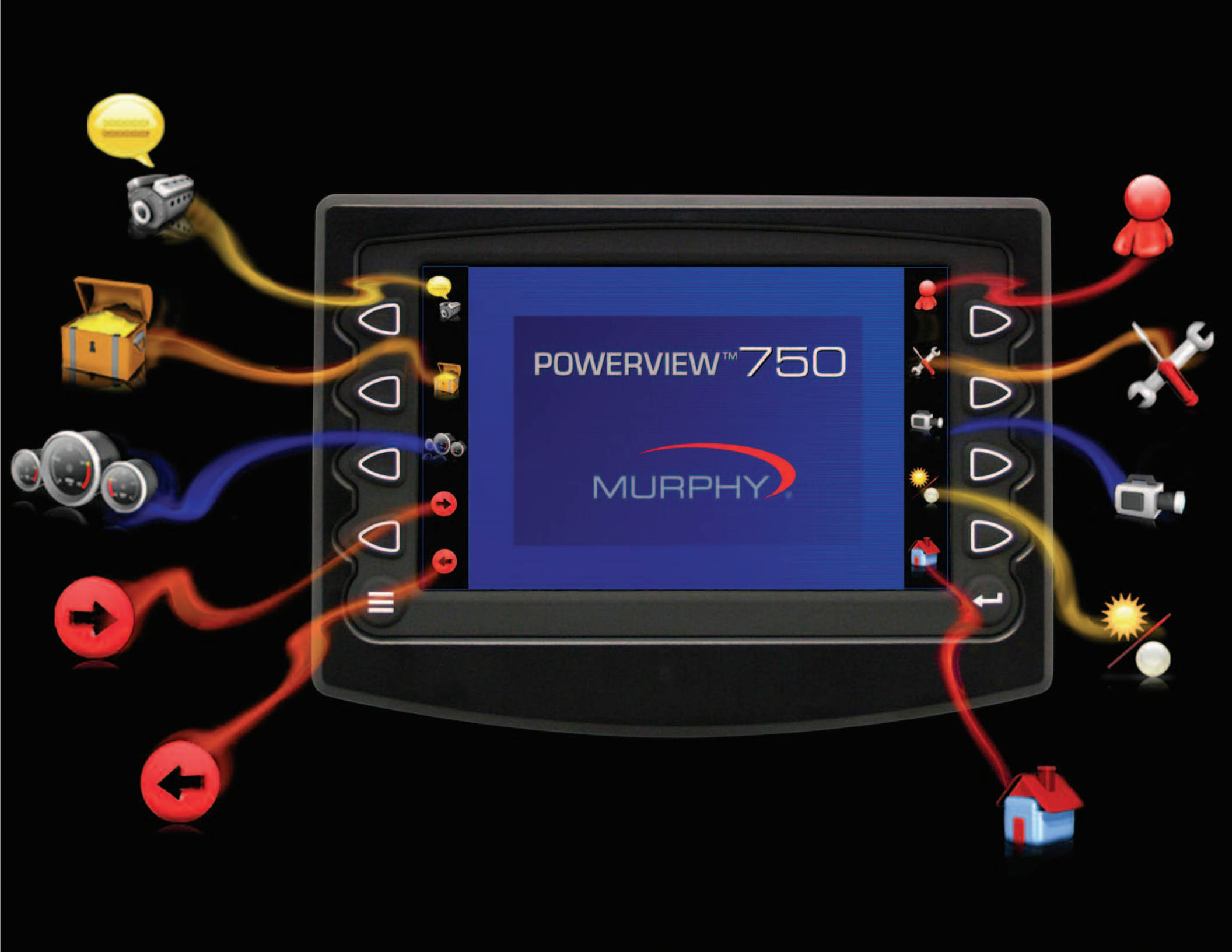
**[TOTAL CUSTOMIZATION.]** Total control of the design.  
Your dream display brought to life.

We know how specific equipment applications can be.  
We know how frustrating it is to mold a real-world  
application to the limitations of a display.

That's why we flipped it. The PowerView 750 display changes  
for your application, not the other way around.

NOW THAT YOU'RE IN CONTROL...  
WHAT WOULD **YOU** CREATE?







# WHAT WOULD YOU CHANGE?

The PowerView 750 is a CAN-based display with a fully-modular design. That opens up endless possibilities for quick and simple customization.

Each primary component of the PowerView 750 display can be isolated, custom engineered and added to our production line quickly and easily.

Don't like **the shape**? Change the bezel and buttons.

Need **extra inputs**? We'll modify the i/o board.

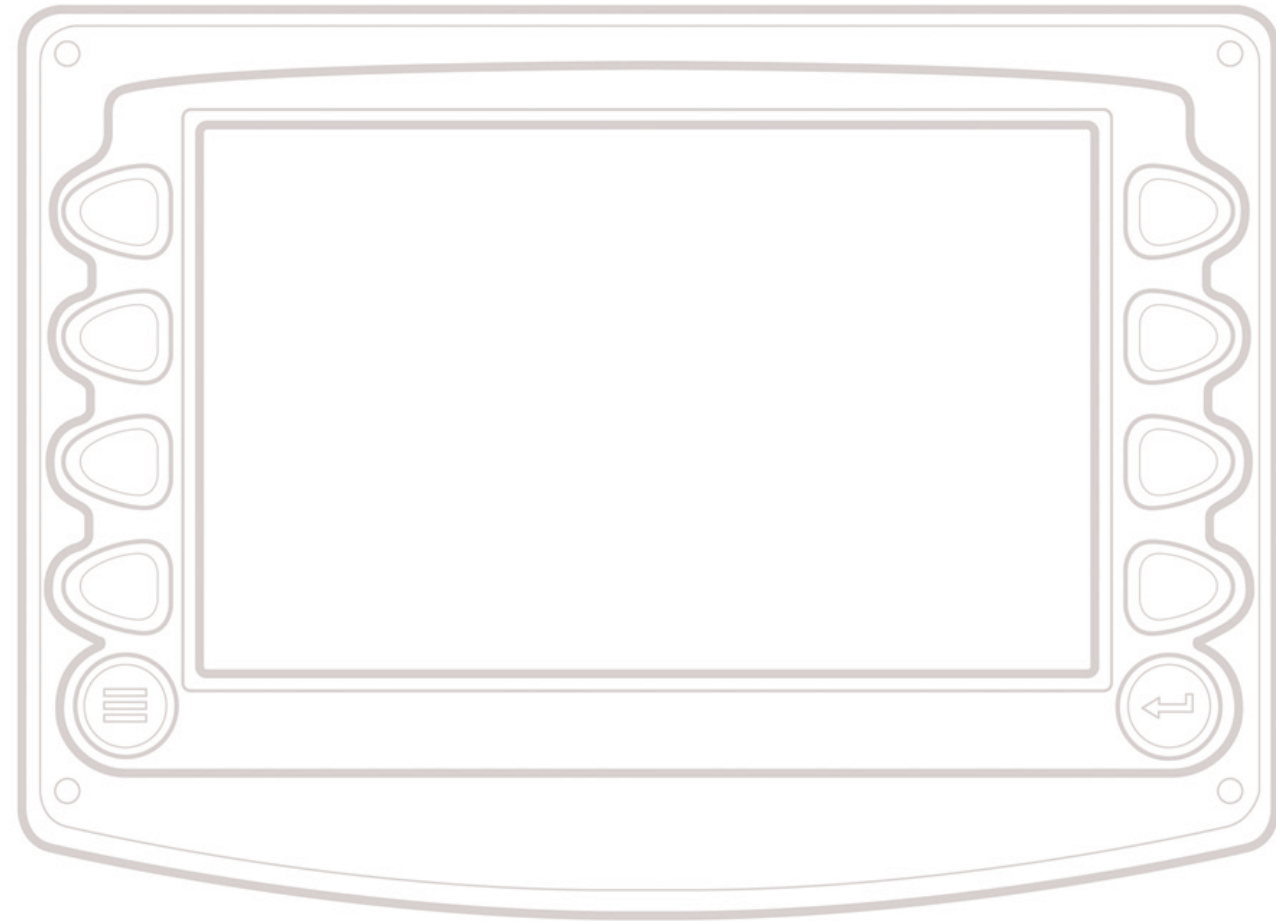
Want original screen layouts with **custom graphics and company branding**?  
With the optional configuration software, you can have total control over your screen design—including logos, instrument layout, machine graphics and more.

## DONE, DONE AND DONE.





# CREATE YOUR OWN DISPLAY



**What would you do with a fully-customizable PV750 display?  
Use this sheet to trace anything you see in this brochure.**

**This is one example of thousands of possible screens you can create on the PV750 display.  
The configuration software includes analog gages, bar graphics and text gages.**



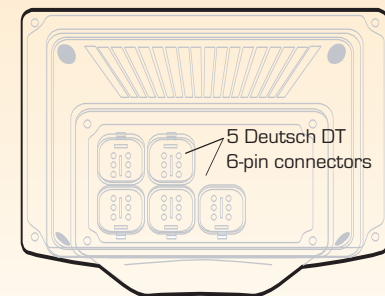
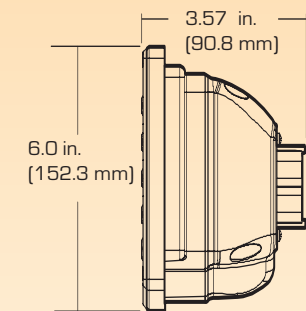
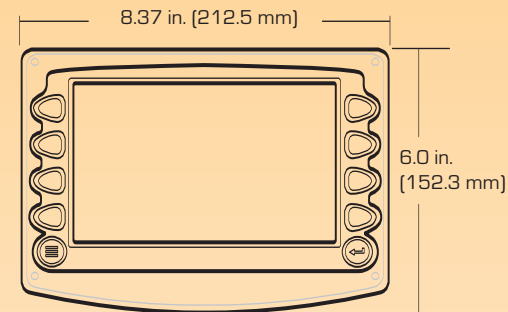
## LET'S BRAINSTORM

*Not sure where to start? Here are a few specific options available to get you thinking about the possibilities...*

- Customize 100+ parameters, plus diagnostic codes and onscreen text.
- Link bitmaps to parameter data for graphic alarms.
- Upload your own bitmaps to design uniquely customized screens.
- Integrate video.
- Translate to multiple languages.
- Send updates easily through a standard USB interface.

# TECHNICAL SPECS

## TYPICAL DIMENSIONS



- Display: 7"/178mm color transmissive TFT LCD (fully bonded for visibility in direct sunlight)
- Resolution: WVGA, 800 x 480 pixels, 16-bit color
- Aspect Ratio: 16:9
- Orientation: Landscape or portrait
- Backlighting: LED, 400-500 cd/mC (50,000 h lifetime)
- Microprocessor: Freescale iMX.31 32bit, 400MHz
- QNX Operating System
- Flash Memory: 2 GB
- RAM: 128 Mbytes SDRAM
- SD storage (optional): for program updates, map data, diagnostic data storage
- Operating Voltage: 8-35 VDC, protected against reverse polarity and load-dump
- Power Consumption: 10w full backlight; 22w full backlight with heater (< -10°C)
- CAN: 3 ports according to CAN specification 2.0B; 1 port isolated according to NMEA 2000 (GPS)
- RS 485: 1 MODBUS Master port/Slave port, PVA
- Video input (optional): NTSC/PAL
- Protocols: J1939, NMEA 2000 (GPS) CANopen Free Form CAN
- Connection: 5 Deutsch DT 6-pin connectors
- Keyboard: 10 tactile buttons
- USB 2.0 host (full speed)
- Inputs: (3) 0-5 VDC analog inputs or resistive, (1) input configurable to support measurement frequencies from 2 Hz - 10 kHz
- Output: Digital, capable of syncing 500mA
- Case material: Polycarbonate back case

## ENVIRONMENTAL SPECS

- Operating Temperature: -40° C to +85° C
- Storage Temperature: -40° C to +85° C
- Protection: IP67, front and back
- Emissions: IEC 60945, 95/54/EC
- Immunity: SAE J1113, ISO 11452
- Vibration: Random vibration, 7.86 Grms(5-2000 Hz), 3 axis
- Shock: +/- 50G in 3 axis



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