

EBvision

- **Display:** Bonded print/glare-free glass and 7" (178mm) color transmissive TFT LCD
- **Resolution:** WVGA, 800 x 480 pixels, 16-bit color
- **Viewing Angle:** $\pm 65^\circ$ horizontal, $+55^\circ/-65^\circ$ vertical
- **Orientation:** Landscape or portrait
- **Backlighting:** LED, 1000 nit typical brightness 40,000 hr. minimum
- **Contrast Ratio:** 400:1
- **Microprocessor:** Freescale™ i.MX357, 32 bit, 532 MHz, ARM11 core QNX® Realtime Operating System
- **Flash Memory:** 2 GB total, 1 GB available for data logging
- **RAM:** 128 Mbytes SRAM
- **Operating Voltage:** 6-36 VDC, reverse polarity protected
- **Video Inputs:** 3 NTSC/PAL (single channel viewable)
- **Connectors:** 2 AMPSEAL 23 Pin (AMP 770680-1 and AMP 770680-4)
- **Keyboard:** 10 tactile pushbuttons with white LED backlight
- **Touchscreen:** (optional) projected capacitive
- **USB:** (1) USB 2.0 host (full speed)
- **Real time clock:** with Li-ion rechargeable battery backup
- **Communications:**
 - (2) CAN 2.0B according to ISO-11898-2; J1939 and CANopen protocols; proprietary messaging
 - (1) RS-485 serial (MODBUS master/slave or PVA gage)
 - (1) USB host
- **Outputs:**
 - (1) 500mA switched low-side
 - (1) Frequency Out (2Hz - 3 kHz, Vbat rms square wave) for tach
- **Inputs:**
 - (3) Analog 0-5VDC, 4-20 mA, or resistive, 10-bit resolution
 - (5) Discrete Digital, Active High
 - (1) Frequency In (2Hz - 10 kHz), 5Vpk-pk min, 120Vpk-pk max