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Digital View's Harsh Environment Series controllers (HE-1920, HE-1600, and HE-1400) were developed in response to our customer needs for ruggedized product solutions. Benefits include wide operating temperature range (-40 °C to +80 °C); vibration, shock, and humidity resistance; and wide range power supply ( $\pm 25$  percent).

The HE Series COTS LCD controllers comply with the strict standards required for harsh environments encountered in military and many industrial applications. Our customers' applications include mobile military displays, avionics systems, maritime information displays, manufacturing monitoring, and outdoor digital signage.

When we established Digital View in 1995, we set out to be one of the world's foremost suppliers of advanced interface solutions for the digital display market. We have deployed more than 500,000 systems worldwide. As the need for visual data increases in all environments, we are pleased that the HE Series controllers are recognized as leading product solutions for the industry. — **Digital View**

## Rugged LCD controllers

So you've hardened the chassis, ruggedized the boards, chosen solid-state storage for reliability – even shock-mounted the LCD. But what about the LCD controller board? That's the realm of Digital View's HE-1400 and HE-1600 Series rugged LCD controllers. These COTS LRUs specifically target industrial and military installations with a -40 °C to +80 °C operation and "dirty" 12 VDC power that can vary by as much as 25 percent. Shock and vibration are handled from the board design up, including locking connectors and such attention to detail as low-mass tantalum capacitors that don't act like cantilevered masses. They are even available in conformal-coated versions.

The HE-1400 is 4.2" x 3.6" and supports LVDS and TTL LCD panels at SXGA (4:3) and WXGA (16:9 at 1,366 x 768 pixels) feeding DVI and ARGB. The HE-1600 is a fully buffered, multisync interface controller feeding both analog and digital up to UXGA resolution (that's 1,600 x 1,200) over DVI, dual VGA, composite video, S-Video, and component video. It too handles standard 4:3 and widescreen 16:9. Both controllers feature remote management via RS-232.

**Model: HE Series**

**Published in: *Military Embedded Systems* January/February 2008**



**RSC# 34063**