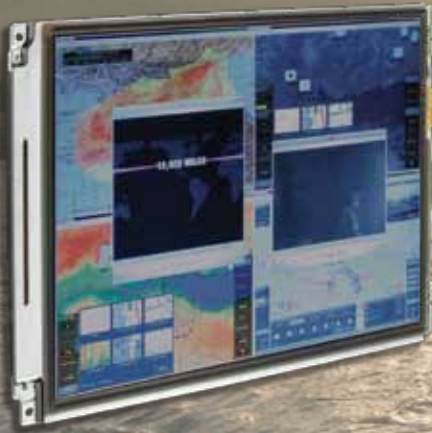


# 10.4" XGA Military Touch Screen Display Module



Our military-grade touch-screen display module delivers the high performance that's critical to your mission.

## KEY BENEFITS

- ▶ Enhanced touch screen that's easy to use and clean
- ▶ Rugged display assembly that resists vibration and impact damage
- ▶ Sunlight readable for legibility in any environment
- ▶ NVIS-compliant emissions won't interfere with night-vision equipment
- ▶ High-efficiency LED backlight consumes less power

## KEY FEATURES

- ▶ High-resolution, wide-viewing display with enhanced backlight
- ▶ Eight-wire resistive touch screen with coated and etched glass overlay
- ▶ Optically bonded with patented Direct Dry Film™

When you make the 10.4" military touch-screen display module part of your display system, you get our proven, environmentally friendly technology built for the rigors of the battlefield. You also have the support of our global network of service centers and our total commitment to your satisfaction.

See the clear advantages of 10.4" military touch-screen displays from Rockwell Collins:

Optical bonding with our patented Direct Dry Film™ technology eliminates the delamination, bubbles and yellowing that are common with traditional liquid bonding. Reduce warranty returns and raise customer satisfaction.

Interface control features include a touch screen that works with gloves, cleans easily and resists scratches, breakage and inadvertent activation.

Rugged display assembly resists vibration, shock and impact.

Excellent viewability, combining high brightness and contrast with low reflection for world-class sunlight readability.

NVIS-compliant design and a wide dimming range for dark adapted vision and covert operations.

Rockwell Collins expertise that brings 30 years of complex optical bonding experience to the technology you choose.

## A STUDY IN SERVICE

One of our newest customers had stringent display requirements.

Among other capabilities, the display modules had to be NVIS compliant. They would be part of the tactical communications systems that the customer supplies to the U.S. military. Special operations forces would use them in ground vehicles and small, swift watercraft in a close-to-shore battlespace.

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Collins**

Building trust every day

## SPECIFICATIONS

<b>Display</b>	RCL-5010-800
Technology	Twisted Nematic – Active Matrix – Liquid Crystal Display
Visible area	10.4 inches diagonal by 210.43 mm horizontal by 157.82 mm vertical
Resolution	1024 horizontal by 768 vertical (XGA), 4:3 aspect ratio
Backlight	Enhanced LED
Brightness	1200 nits minimum output at 10 W through all layers
Night mode (NVIS)	35 nits to .17 nits min.
Night vision goggle	MIL-STD-3009 Class B compliant – full time, not dual mode
Pixel size	123 DPI, dot pitch .2055 mm
Gray levels	24 bit (16.7 M colors)
Update rate	60Hz
Contrast ratio	1000:1 over field of view
Response time	<25 ms @ 25° C
Coatings	Anti-smudge, anti-reflective on .5 mm anti-glare microsheet cover glass
<b>Touch screen</b>	
Technology	High-accuracy, high-reliability resistive
Interface	USB

## Sample Your Customized Display

At Rockwell Collins, we know that your product or system requirements may be as distinct as your business. It's why we work with you even before you become our customer. Tell us what you need and we can modify and sample XGA touch-screen display modules for you to evaluate.

## A STUDY IN SERVICE

*Continued from other side*

Performance was key. The touch-screen displays had to work in intense heat, dust, salt spray and other harsh conditions.

We listened to the customer. Then we drew from our deep pool of engineering talent to deliver high-end 10.4" touch-screen display modules customized to the military end-users' needs. The customer got a far superior display unit at a price comparable to what was charged for an ultimately unacceptable product.

This new customer is now making Rockwell Collins displays standard across its product lines.

## Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

## For more information contact:

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