



Complete optical, mechanical and electronic integration into a sub-system

Sub-system ready for higher integration level, BIT, choice of processor and interface. Hardware or software programmable

Software development integrated electronics, power supply, signal conditioning

Display technologies include LCD, LED, electroluminescent and incandescent lamps

Optimal optical performance, sunlight readability, night vision compliant

Designed and manufactured to exceed performance requirements of MIL-STD-810, RTCA/DO-160 and MIL-STD-461

With extensive experience in opto-electrical and mechanical integration, CMC has the capabilities you need for your defense and commercial sub-systems. Whether you integrate your critical circuit card into our host sub-system or re-program the sub-system microprocessor, you maximize the development time of your system.

Sub-systems are customized to specific requirements. They may include LCD or LED displays, edgelit panels, different types of switches and complete electronics, including microprocessor, standard interface, power and signal conditioning.

CMC Electronics provides support at all project stages, from specification definition to qualification testing. We offer you the option of integrating your interface software or developing it for you.

Should your application require illuminated features, we are experts at integrating lighting components that are night vision compliant and readable under direct sunlight.

Our products can withstand harsh environments, including combat and NBC if required, without compromising performance.

We take care of all your projects in one single sub-system.

Variety of display technologies, LCD, LED

Sunlight readability, night vision

Software development, selection of microprocessor

Integrated electronics, power supplies

Integrated keyboards, illuminated panels

High-performance optical filters

Rotary controls, encoders, toggle switches

HIGH-PERFORMANCE COCKPIT INDICATOR SUB-SYSTEM

Complete sub-system is used in a high-performance laser warning indicator for various airborne platforms. The sub-system includes an edgelit panel, rotary controls, LED displays, complete electronics and aluminum enclosure. The LED display integrates alphanumeric and discrete legends. The system also provides required electronics for power and signal conditioning. The sub-system is night vision compliant and is legible in a bright sunlight environment. The system is qualified to MIL-STD-810.



WARNING AND EXTINGUISHING SUB-SYSTEM

This sub-system is integrated in an airborne military application and is part of a critical fire warning and extinguishing system. It provides a cautionary optical signal to pilots during high stress conditions. The system integrates various controls, edgelit panel, annunciators and a sophisticated brightness control circuit card. The sub-system optical features are night vision compliant and offer outstanding sunlight readability performance. The sub-system has been qualified to MIL-STD-180 and MIL-STD-461.



SUB-SYSTEMS



CMC Electronics – A World Leader in Custom Display Products