



This equipment has been designed for the new armored vehicle **VCR 8x8 Dragón**

 **Smart Vision** > Smart Displays

COMTE

COMputer Touchscreen Equipment

Smart multifunction displays (10.1" and 13.3") specially designed and qualified for combat vehicles.

Key benefits:

Multifunction panel PC with excellent processing capacity.

Excellent performance with high computing workloads (BMS, video compression, etc.)

Extremely low latency for driving support applications.

Compatible with several video formats (HDMI, PAL, SDI.).

Easy integration into the vehicle network (CAN BUS, Ethernet, RS-422/RS-232).

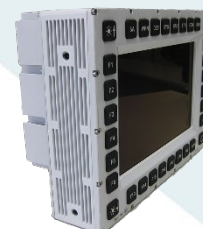
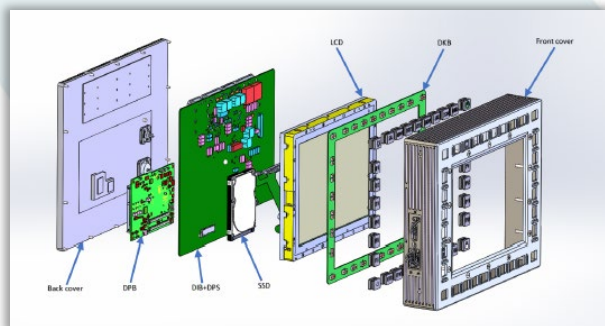
User friendly HMI with GVA keyboard and Tactical Multitouch screen.

COMTE family allows running different cartographic representation software, BMS or troop management.

Based on INTEL skylake x86 architecture any Linux or windows SW can be executed. It includes an 11th generation i7 microprocessor which guarantees a high process capability for futures software developments.

The system is equipped with high speed interfaces (gigabit Ethernet), standard low rate serial ports (RS-422 o RS-232) and standard vehicles ports (CAN BUS). All this allow the system to be integrated easily into the vehicle network.

Through the SDI, PAL and HDMI ports, several uncompressed signals can be reproduced. Additionally, the processor board is capable of uncompressed videos in H.264 and MPEG.



Panel 10" - 13"	Characteristics
Size	10" - 13"
Resolution	Up to WUXGA (1920x1200)
Colors	16M (8 bit)
Pitch	128 DPI
Aspect size	4:3 - 16:9 - 16:10
Contrast	700:1
Brightness	Max 900 cd/m ² Typ 531 cd/m ²
Vision angle	±45° [CR> 85:1] ±85° [min CR]
Keyboard	GVA standard
Operation temperature	-32° a 75° C
Touchscreen	Yes (resistive)
Heater	I/O
Qualification	
Shock	MIL-STD-810G, method 516.6, procedure I (Function shock) and procedure V (Crash Hazard shock). Profile 516.6-8.
Vibration	MIL-STD-810G Method 514.6 Procedure I, Category 20, Ground Vehicles (150 min per axis)
Altitude	Operating: 1300 feet below to 15,000 feet above sea level and atmospheric pressures of 508 millibars to 1080 millibars; Non-Operating: full performance requirements without performance or physical degradation damage after storage at elevations of 0 to 50,000 feet above sea level. MIL-STD-810G, Method 500.5, Procedure I (Transportation)
Sealing	IP 65
Humidity	Temp: 86 degrees F to 140 degrees F (30 degrees C to 60 degrees C); Humidity: 95 ± 5%. MIL-STD-810G, Method 507.5, Procedure II
Power	5V (6W max.), 12V (12W max.), 28V (70W max.) MIL-STD-461F: CE102, CS101, CS114, CS115 CS116, RE102 and RS103 at next assembly level
ESD	ESD Upset, Damage & Maintenance acc to IEC 61000-4-2 at next assembly level



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