



FUTURIS

XD104-ETH Multi Input Monitor

The rugged 7-inch display unit is designed for demanding vehicle and defense applications requiring reliable visualization, processing, and operator interaction. Powered by a quad-core ARM Cortex-A9 processor, it provides high-performance graphics acceleration, H.264 video decoding and encoding, and responsive real-time operation.

Its high-brightness 1280 × 768 LCD display ensures clear visibility in challenging environments, while the resistive touchscreen and physical buttons provide flexible operator control. With Gigabit Ethernet, USB 2.0, and RS-485 interfaces, the unit can be easily integrated into various onboard systems. Its compact mechanical design and wide operating temperature range make it suitable for rugged field applications.

I/O Connections

- Ethernet –10/100/1000Base-T x3
- Serial –RS422 x1, Debug UART x1, CANBus x1
- Analog Video Input x1
- Analog Video Output x1

Architecture

- Processor Core– Dual-core ARM Cortex-A9 MP-Core™ with CoreSight™, 766 MHz
- Programmable Logic – Artix-7 FPGA
- 2GByte RAM & 64GByte Flash

Qualifications

- MIL-STD-1275D
- MIL-STD-461 EMI/EMC
- MIL-STD-810 Vibration/ Shock/ Low-High Temperature
- IP67 Compatible Mechanical Design
- Compatible with Legacy DVE Standards





FUTURIS

XD104-ETH Multi Input Monitor

Display

- 10.4" 1024 x 768 LCD Panel
- 500 Nits
- 1000:1 Contrast Ratio
- Wide Viewing Angle 176° (H) x 176° (V)
- PAL/NTSC/RS-170 Analog Video Input (Optional)

Optional Additional I/O

- Ethernet – 10/100/1000Base-T x1
- VITA 57.1 FMC Connector

Enclosure

- Power – DC 28±5 Volt MIL-STD-1275D
- 15W Power Consumption (Heaters Off)
- 50W Power Consumption (Heaters On)
- 15W DC Power Output for External Cameras
- Dimensions – 267mm x 227mm x 81mm
- Weight – 2,80kg

