



Audio/Video Processor

The Audio/Video Processor (AVP) is a powerful miniature general purpose computer that combines dual multi-core microprocessors with an audio codec and a dedicated GPU; it's well-suited for intelligence, surveillance, and reconnaissance applications. The AVP multi-function processing capabilities are key for low-latency HD streaming performance.

The AVP is designed for IP encoding and decoding HD video and audio for secure, high-quality streaming video distribution architectures.

As an encoder or decoder, the AVP disseminates IP video at broadcast-quality resolutions up to full HD 1080p@60Hz and at a wide range of bit and frame rates.



Features

- AES 256-Bit Encryption
- Unicast/Multicast Streaming Audio/Video
- 1000BASE-T Ethernet (MIL-C Copper)
- 1000BASE-SX Ethernet (MIL-C Fiber Optic)
- USB 2.0 (MIL-C Copper)
- COM Port RS-232/RS-422/RS-485 (MIL-C Copper)
- DZUS® (MIL-F-25173A) Mountable Fanless System



Specifications

- Power Input Voltage: +16VDC to +70VDC <19.2W (Max)
- Custom Configurations Available

Indicators

- Dual Color Power Status
- Color OLED Display

Dimensions (Approximate)

6.41" (L) x 5.74" (W) x 2.24" (H)

Weight (Approximate)

3 lbs.

Supported Codecs

- Video (H.264/H.265)
- Audio (H.264/H.265, Analog)

Environmentally Qualified to the Following Standards

- Temperature – RTCA DO-160G, Section 4, Categories A1
- Altitude – RTCA DO-160G, Section 4, Category C1
- Rapid Decompression – RTCA DO-160G, Section 4, Category C1
- Temperature Variation – RTCA DO-160G, Section 5, Category C1
- Humidity – RTCA DO-160G, Section 6.3.2, Category B
- Structural Loads/Acceleration – RTCA DO-160G, Section 7, Category B
- Vibration – RTCA DO-160G, Section 8, Category R
- Explosive Conditions – RTCA DO-160G, Section E
- Lightning (Indirect Effects) – MIL-STD-461G, CS117
- Electromagnetic Effects – MIL-STD-461G, Table V (Aircraft, Air Force)

Designed to Meet the Following Standards

- Electrical Power – MIL-STD-704A
- Flammability, Sand & Dust – MIL-STD1472H
- Salt Atmosphere – RTCA DO-160G, Section 14, Category S

