

Technical Specification

Digital Video Input

- GMSL Shielded Twisted Pair (STP) input
- GMSL coax input (option)
- Standard compliant GMSL Deserializer

Analog Video Output

- NTSC composite video out
- Ground Loop Mitigation

Video Conversion

- Intelligent solution - no configuration required.
- GMSL at up to 1280x800 p30 to composite NTSC

Latency

- Latency < 1 frame time
- Zero buffer process
- No video data persistence

Environmental

- Operating temp -20°C to +60°C
- IP67 dust-proof, water immersion to 1m
- Passively cooled, fanless enclosure

Power

- 12-31V DC Input range
- 28V DC Nominal input voltage
- Hardened against power transients
- Reverse polarity protection
- Vehicle load-dump protection
- Military vehicle class power conditioning conforming to MIL-STD-1275E

Mechanical

- Milled from solid Aluminium Alloy block
- Size: 120 x 120 x 40 mm (4.7 x 4.7 x 1.6 inch) LWH
- Sealed IP67 rugged MIL-D38999 Connectors

Standards Compliance

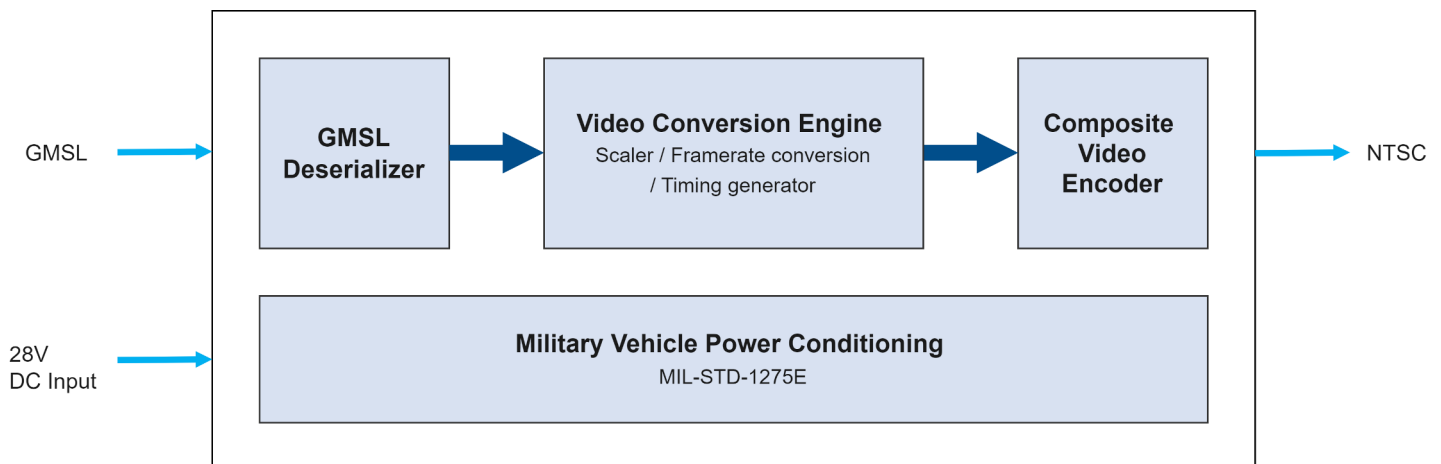
- MIL-STD-1275E⁽¹⁾

Ordering Information

VETRO-CONV-GMSL-NTSC

Vehicle ready rugged video converter. GMSL-to-NTSC

Functional Diagram



⁽¹⁾ The AMP VETRO-CONV family is designed to meet MIL-STD-1275E requirements.

