

Technical Specification

Digital Video Input

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

Analog Video Output

PAL composite video out
Ground Loop Mitigation

Video Conversion

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

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

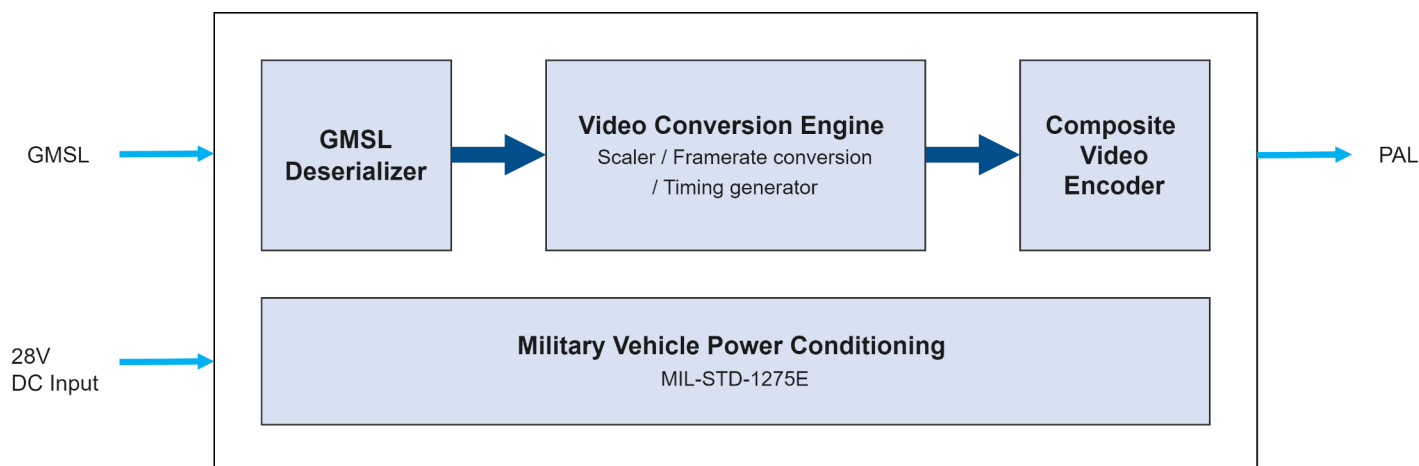
MIL-STD-1275E⁽¹⁾

Ordering Information

VETRO-CONV-GMSL-PAL

Vehicle ready rugged video converter. GMSL-to-PAL

Functional Diagram



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

