



FEATURES

- Dual PAL/NTSC analogue camera inputs
- GiGE Vision output interface
- Rugged Milled Aluminium housing
- RS422/RS232 interface options
- Mil-Std-38999 Connectors
- Operating Temperature -40°C to 50°C
- CE Approved
- ROHS Compliant

The VES7002 is a Rugged PAL/NTSC to GigE Vision video converter. The VES7002 encoder can transmit two channels of composite (NTSC, PAL, CCIR, or RS-170) video simultaneously at up to 30 frames per second (fps) each with ultra-low, predictable latency of < 200µs over a 1G Ethernet link.

Packets are formatted in accordance with the GigE Vision standard. XMLfiles allow the use of Genicam applications to control the unit via the ethernet link.

The unit is enclosed in a rugged black anodised milled aluminium housing fitted with Mil Spec 38999 connectors. The unit is IP61 rated with an option to extend this to IP67.

The hardware FPGA implementation ensure an ultra-low video latency figure of as little as 2 x video line periods.

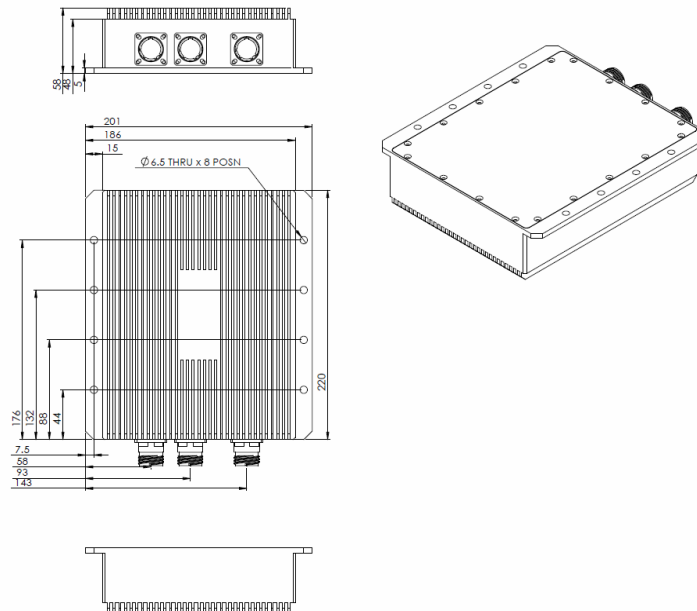
An optional web interface allows the units IP address and other configuration settings to be altered.

A communications channel is available for communications with a camera or other equipment. This channel can be RS422/RS232



Technical Specifications

Video Inputs	
Analogue	Up to 2 PAL or NTSC
Communications	
Ethernet	2 x 1000B ethernet video streaming channel
RS422/RS232	1 x RS422/RS232 interface available
Connectors	
Rugged MIL Standard (MIL-STD-38999)	
Optional Inputs / Outputs	
Optically isolated inputs and outputs (available upon request)	
Mechanical	
Weight (Approx.)	500g
Dimensions	220mm(L) x 200mm(W) x 58mm(H) (excludes connectors)
Colour	
Black Powder coated	
Environmental	
Humidity	90% @ +40°C noncondensing
Ingress Protection	IP61 (IP67 option available)
Temperature	Operating Temperature: -40°C to +50°C Storage Temperature: -40°C to +125°C Cooling: No Moving Parts. Passive
Power	
Input Power Voltage: 18-36V	
Power Consumption: 13W	
Conformity	
2004/108/CE - RoHS	
Extended EMC Conformity	Enquire for details
Extended Environmental Conformity	Enquire for details



Part Number Information

VES7002-X-I

X : Communication Interface None = 0, RS422 = 1, RS232 = 2, I: = IP67 option otherwise blank