MXC-H.264

2×HD-SDI / 1×3G-SDI INPUT TO DEDICATED HARDWARE H.264 COMPRESSION

Key Features

- One SMPTE 424M (3G-SDI) 1080p60 input
    or
  Two SMPTE 292M (HD-SDI) 1080p30 inputs

- Output via Ethernet 10/100/1000

- STANAG-4609 KLV Metadata Injection over Ethernet or RS-232

- Uncompressed pass-through Output via SDI

- Stand-alone operation

- Ultra-low power usage

Optional Video Processing

- De-interlacing

- Adaptive Contrast Enhancement

- Adaptive Edge Enhancement

- Scaling

- Noise Reduction

- Color Management

Specifications

- High level of ruggedization
    - ☐ MIL-STD-810, IPC 6012 Class-3
    - ☐ -40° to +85°C operating temperature
    - ☐ 40g, 11ms shock
    - ☐ 0.2g²/Hz@ 5 - 2000Hz vibration
    - ☐ Conduction-cooled
    - ☐ Rugged air-cooled
- No drivers necessary
- No operating system required
- MXC form factor: 85×70 mm

Overview

The WOLF-designed MXC-H.264 real-time video processing/encoding module is a conduction-cooled mezzanine card, designed to be used with carrier cards based upon the EuroCard standard such as 3U VPX, or with standalone carrier boards like WOLF's MXC-H264-CARRIER, available separately.

Absolutely no software or operating system is required for the MXC-H.264 module to operate. WOLF will pre-configure the module to your desired settings and the module will do the rest: transmit a compressed video stream over Ethernet UDP.

For dynamic or after-purchase configuration changes, you can use the provided Linux or Windows SOCKET application.

The MXC-H.264 is an extended temperature module, operating between a range of -40°C and +85°C, and is ideal for Industrial, Medical, Aerospace and Defense MCOTS customers.