

TRUPER® DVR



Commercial off-the-shelf (COTS) High-Performance Rugged Computer System

The TRUPER family offers the flexibility to change out electronics such as frame grabbers, video processors, extra memory, storage or other communication devices. The TRUPER chassis provides a highly customizable enclosure for the latest COTS hardware technology. Within the chassis natural cooling is used to provide efficient transfer from the internal electronics to the enclosure. This ensures heat stress of the components is kept to a minimum. The unit is designed to ensure reliable operation in challenging and high altitude environments where the unit is subjected to shock and vibration as well as extended operating temperature ranges.

Component Specifications

Processor

- Intel x86 based processor

Storage

- Video: Standard 60 GB SSD provides storage for more than 110 hours of H.264 compressed video
- 64GB – 1TB SATA II Rotating Hard Drive or solid state hard drive

I/O

- Serial: 1 RS232/422/485 capable, DB9
- USB: 6 USB 2.0 port
- Ethernet: 2 port 10 / 100 / 1000 Base-T, RJ45

Video Input

- 4 channels, PAL or NTSC

Hardware Monitor

- Integrated Watchdog Timer 1~255 second settings

Environmental

- Operating Temp: -20°C to +55°C
- Storage Temp: -40°C to +70°C

Video

- Compression: Real-time H.264 compression and recording of 1 to 4 analog/digital video channels at up to full D1 resolution & frame rate (option for multi-standard recording H.264, MJPEG or raw)
- Streaming: Integrated IP video server for distribution of 1 or more input video streams over Ethernet
- Storage: Standard 60 GB SSD provides storage for more than 110 hours of H.264 compressed video

Control Interface:

- Controlled over a LAN via the Ethernet port
- LAN PC client application with GUI provided along with software API.

Vibration

- Designed to meet MIL-STD-810G

- Method 514.6 Procedure I, Operating & Non-Operating: Power Spectral Density = 0.04g²/Hz at 20Hz – 1000Hz, -6dB/Octave at 1000Hz – 2000Hz. 60 minutes x 3 axes

Functional Shock

- Designed to meet MIL-STD-810G
- Method 516.6 Procedure I
- Operating: 40g, 11ms, saw-tooth waveform

Footprint

- Dimensions: 10.8" x 7.5" x 3.3" excluding connectors and mounting base
- Weight: 11 lbs, 5 Kg

Options

- Hardware
 - Custom connector panel
 - WiFi and eSATA
 - Additional LAN, VGA, USB and serial ports