

## CIM-104: Camera Interface Module

### Description

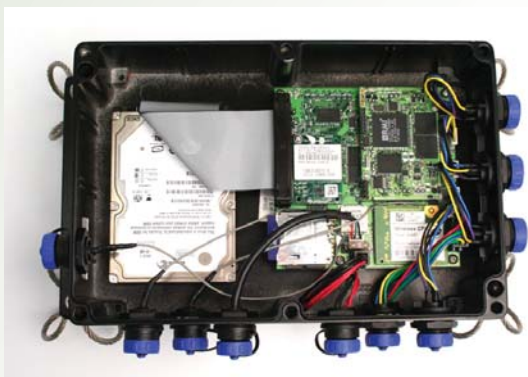
The Camera Interface Module 104 (CIM-104) allows for capture and digitization of analog video to a PC/104 compatible system. It provides an excellent, robust system for interfacing up to 4 cameras to a PC/104 stack. The system is 100% PC/104 compatible, including meeting the PC/104 form factor requirements.

The CIM-104 provides an excellent addition to any PC/104 system requiring capture of video. Some examples of applications include:

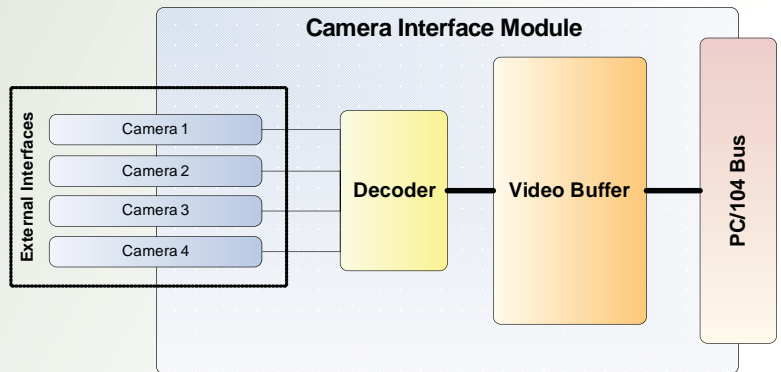
- Surveillance video capture and recording to a separate recording device
- Video capture and processing for obstacle recognition
- Video capture of internal environments such as cockpits

### Camera Interface Module

The Camera Interface Module is shown below integrated into a client application.



### System Diagram



### Features and Specifications

- Capture up to 4 external camera video signals
- Compatible with RS-170A (NTSC) video signals
- System can buffer video data
- Seamless video streaming to the VPI USB Shared Memory Modules
- 100% PC/104 compatible
- Compact form factor
- Compatible with VPI Rugged Enclosure System
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -40°C to +80°C
- Humidity: 5% to 90% RH
- Power: Provided by the PC/104 bus

### Applications

- Military and Commercial Applications
- Rotary and Fixed Wing Aircraft
- Ground Vehicles
- Unmanned Aerial Vehicles (UAV)
- Unmanned Ground Vehicles (UGV)
- Unmanned Marine Vehicles (UMV)

### Contact Information

**VPI Embedded**  
 11814 S. Election Road, Suite 200  
 Draper, UT 84020  
 801-495-2310  
[www.vpiembedded.com](http://www.vpiembedded.com)  
[info@vpiembedded.com](mailto:info@vpiembedded.com)