The mvTITAN series grabbers are notable for two remarkable components: the high performance image processor and the large local image memory. The image processor relieves the system CPU of time-critical tasks. The memory separates image transfer from capture and makes local operations possible on several images at once.

Features

**Camera Interface**
- 2 CameraLink Connectors
- 2 multiplexed BASE inputs or 1 MEDIUM input usable
- 2 serial ports + 2x4 dig. inputs for independent control of 2 cameras
- Input band width 100 MB/sec [110 MB/sec on request]
- Additional connector for trigger + sync input, flash output and camera power
- Trigger/sync input opto-isolated, 5..24 V
- Flash output opto-isolated, max. 30 V
- Camera power supply 12 V, 750 mA / 1.5 A
- Camera control signals generated by timing generator or by software
- Image format not limited
- Supports area and line scan cameras
- Continuous capturing of all types of image sources
- Input LUT, 3 channels, 10 to 8 bit
- Other real time transformation by software

**Image Processor**
- Image processor PNX 1311 with 4.5 GOPS
- Local memory 8 MB, opt. 32 MB for code, program and image data
- Real time color space conversion of Bayer-Mosaic Color data to RGB without host CPU load

**Host Interface**
- Direct image transfer with color space conversion to display and overlay buffer
- Parallel display and capturing in independent pixel formats
- Local pixel depth per color component 8 to 16 bit, per pixel 8 to 32 bit
- EEPROM usable for user data

**Software**
- Drivers for Windows® and Linux®
- Supported by mvIMPACT library

**Environment Information**
- Permissible ambient temperature 0..50 °C