



TECHNICAL SPECIFICATION

SPECIFICATION	DESCRIPTION
ADLVIS-1700-CXP COAXPRESS	<p>Based on ADLVIS-1660 2-CH PCIe/104 CoaXpress Assembly</p> <ul style="list-style-type: none"> • Dual CXP-6 Ports • GENICAM Compliant • 1,250 MB/s Camera Bandwidth • 2x CXP-6 DIN 1.0/2.3 Female Connectors • Euresys Memento Event Logging • GPIO, trigger, and LED Status • PoCXP Safe Power; 17W
ADLVIS-1700-CL CAMERALINK	<p>Based on 4-CH PCIe/104 Cameralink Card</p> <ul style="list-style-type: none"> • GENICAM Compliant • Captures from 1 or 2 Medium (510 MB/s), 1 Full or 10-tap (680 MB/s) CameraLink Cameras • Up to 4 Base (255 MB/s) Cameralink Cameras • Line Scan or Area Scan modes • Camera Frame Rate Sequence Capture • Triggered Image Sequence Capture • DMA Image Data to CPU Memory

*Data subject to change without notice.

APPLICATIONS

- 3D Machine Vision
- Ultra High-Speed AOI
- Hyperspectral and Multi-Spectral Imaging
- Very High-Resolution Line-Scan Image Acquisition
- Traffic Engineering
- Military/Defense ISR
- Unmanned Drone Vision Payload Computing
- High Frame-Rate Motion Analysis and Recording

DESCRIPTION

The ADLVIS-1700 CoaXpress/Cameralink vision system helps address the need for high-performance image capture and storage in a variety of industries. The system supports two CoaXpress CXP-6 ports (1250 MB/s) or 4-CH Cameralink (up to 680MB/s) for cutting-edge applications such as 3D machine vision, hyperspectral imaging, and a host of other high-performance vision uses.

With 4 removable SATA drives, and RAID 0,1,5,10 support the ADLVIS-1700 also relieves the data storage bottleneck by allowing for high storage capacity, high-speed data write speeds, and easy removal of stored data.



Using the compact PCIe/104 embedded PC form factor, the ADLVIS-1700 offers very high performance in a relatively small package making it ideal for a variety of factory, avionic, unmanned and other industrial use scenarios where space is constrained. As with all ADL systems, custom variants can usually be supported either directly using the base system or through our custom design services including custom high ingress-protection (IP) or rugged chassis systems.



ORDERING INFORMATION

PART NUMBER	ADLVIS-1700-CXP COAXPRESS	ADLVIS-1700-CL CAMERALINK
CPU	ADLQM87PC Intel Core i7 Quad	ADLQM87PC Intel Core i7 Quad
Framegrabber	PCIe X16 Euresys 2-CH CoaXPress	PCIe X16 EPIX Cameralink Card
System I/O	2x USB2.0, 2x COM, 2x Gb/s LAN	2x USB2.0, 2x COM, 2x Gb/s LAN
Display	VGA (Optional DisplayPort)	VGA (Optional DisplayPort)
OS mSATA	Up to 128GB (Optional Linux or Windows Pre-load)	Up to 128GB (Optional Linux or Windows Pre-load)
OS	Linux and Windows Compatible	Linux and Windows Compatible
Removable Storage	Up to 2x SATA 6Gb/s or 4x SATA 3Gb/s 2.5" SSD (Not included in base system.)	Up to 2x SATA 6Gb/s or 4x SATA 3Gb/s 2.5" SSD (Not included in base system.)
Expansion	1x PCIe/104 Board	1x PCIe/104 Board
Expansion Options	<ul style="list-style-type: none"> • 4x Gb/s LAN • 4x USB 3.0 • 4x mPCIe carrier • Contact Sales for other option requests. 	<ul style="list-style-type: none"> • 4x Gb/s LAN • 4x USB 3.0 • 4x mPCIe carrier • Contact Sales for other option requests.
Dimensions (HWD)	5" x 7" x 7.6"	5" x 7" x 7.6"
Custom Options Available	Contact sales@adl-usa.com	Contact sales@adl-usa.com