

► GigE Vision Accessories

One of the biggest causes of problems on GigE Vision implementations is the use of Ethernet switches that do not meet the demanding requirements of a high sustained bandwidth, Jumbo packets, multicasting and low latency. STEMMER IMAGING are constantly validating new equipment and can supply switches pre-configured and optimised for use with GigE Vision cameras.



In addition STEMMER IMAGING can provide advice in defining the optimum network topology for your application and can also provide network testing and validation with our state of the art network diagnostic equipment. Our extensive portfolio of industrial GigE Vision products covers all the components required for implementing complete applications. This includes components such as network cards, switches, illumination controllers, I/O controllers and cables, plus many more.

► GIE62+: Frame Grabber supporting Power over Ethernet (PoE)

Adlink's GIE62+ acquisition card is PCI Express x4 compliant and supports two Power over Ethernet (PoE) cameras. It provides data transfer rates of up to 2 Gb/s with cable lengths of up to 100m.

The two Gigabit Ethernet Ports can be configured in Link Aggregation Group mode (LAG), which allows for easy and cost effective connection to network devices and doubles the data rate. Some AVT (Allied Vision Technologies) camera models use this technology to achieve higher data transfer rates.

The GIE62+ frame grabber is ideally suited to applications in the automation sector. It provides two isolated inputs/outputs to connect to external devices such as position sensors, and two programmable TTL outputs to manage trigger events such as activating a strobe light.



- Supports two independent Gigabit Ethernet ports
- PCI Express x4 compliant
- Supports PoE (Power over Ethernet)
- Supports jumbo frames (9 kByte)
- Supports link aggregation (LAG)
- Industrial screw lock connector
- Two opto-isolated digital in/outputs
- Two programmable TTL trigger inputs

The following list is only a small extract of our portfolio. Please do not hesitate to contact us for additional models.

| MODEL                                  | BUS SUPPORT | DMA CHANNELS | DESCRIPTION                                      |
|----------------------------------------|-------------|--------------|--------------------------------------------------|
| SYS NET GIGA CU PCI-32 SINGLE          | PCI 32      | 1            | Intel PRO/1000 desktop adapter, PCI 32 bit       |
| SYS NET GIGA CU PCI-E 1X SINGLE SERVER | PCIe x1     | 1            | Intel PRO/1000 PT server adapter, PCI Express x1 |
| SYS NET GIGA CU PCI-E 4X DUAL          | PCIe x4     | 2            | Intel Gigabit ET server adapter, PCI Express x4  |
| SYS NET GIGA CU PCI-E 4x QUAD          | PCIe x4     | 4            | Intel Gigabit ET server adapter, PCI Express x4  |
| ADLINK GIE62+                          | PCIe x4     | 4            | GigE Vision framegrabber for PCIe x4 bus         |



## ► GigE Vision managed switch

Our managed GigE Vision validated switches ensure reliable operation in GigE Vision applications. Featuring support for Jumbo packets and layer 3 routing with full control (managed) these switches deliver the best GigE Vision performance at a competitive price. Support for Fibre Optic (SFT) and Power over Ethernet are also provided as well as support for Link Aggregation (LACP) to increase bandwidths.

- 10/100/1000 MBits/second compatible
- 8,16 and 48 port models

| MODEL                     | DESCRIPTION                  |
|---------------------------|------------------------------|
| SYS NET GIGA SWITCH8 19"  | Gigabit switch with 8 ports  |
| SYS NET GIGA SWITCH16 19" | Gigabit switch with 16 ports |



- 2 or 4 mini-GBIC ports for copper and fibre inter-connections
- Link Aggregation up to 8x to increase bandwidth
- Up to 96GB/s switching
- Layer 3
- Supports Jumbo Packets
- POE option

## ► GigE Vision multicast switch

Our Multicast GigE Vision validated switch delivers the ultimate performance for large GigE Vision networks where multicast streaming is used to deliver data to multiple locations at the same time.

- 24 or 48 10/100/1000 MBit/second ports
- 4 dual personality ports to accommodate Mini GBIC copper or fibre inter-connections.
- 4 integrated 10-Gigabit Ethernet ports

| MODEL                          | DESCRIPTION                  |
|--------------------------------|------------------------------|
| SYS NET GIGA SWITCH 2910AL-24G | Gigabit switch with 24 ports |



- <2.9 μs switching latency
- Up to 128GB/s switching bandwidth
- Supports jumbo packets
- Layer 3
- POE option
- Fully managed

## ► GigE Vision Industrial DIN mount switch

- 4 or 8 10/100/1000 Mbps ports
- 2 additional ports with SFP Fiber option
- 16GB/s switching

| MODEL                     | DESCRIPTION                 |
|---------------------------|-----------------------------|
| SYS NET GIGA SWITCH 8 DIN | Gigabit switch with 8 ports |

