

MULTI-CAMERA CONFIGURATIONS AND SOFTWARE SYNCHRONIZATION

- PixeLINK understands multi-camera and software synchronization and the configuration of data requirements for 3D imaging, 3D metrology, live holography and virtual reality, etc.
- The capability to synchronize multi-cameras for vision applications along with our ability to align our cameras with Navitar optics provides us with a huge competitive edge in the market.
- Unlike many camera manufacturers, PixeLINK has a built in, complete FPGA that executes our low level firmware providing our cameras the ability to both process the incoming data flow and simultaneously respond and react to constant changes.
- In practice, multi-camera systems stream huge amounts of data and often the computer cannot keep up with the quantity of data being captured. High frame rate cameras are subject to frame skipping often related to EMI. PixeLINK's use of collecting Metadata allows us to reconstruct any skipped frames to fully reserve your data stream, including time stamp, exposure, gain frame number etc.
- With PixeLINK software, it is easy to set up and test exposure time for optics and lighting custom applications.
- We have the best USB3 technology in the market, as well as full backward and forward compatibility for GigE, FireWire, USB2 and USB3 applications.

