

# Versatile Frame Grabber Card for MTCA.4

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## Abstract content

Fast evolution of visible and infrared-light digital cameras was observed within last ten years. The cameras providing images with the megapixel resolution are useful diagnostic tools applied in various experiments of modern physics. Dedicated protocols were developed for transferring megapixel images in complex physics experiments. Camera Link and CoaXPress interfaces assure both a high bandwidth and high reliability, and therefore they are commonly used in physics. A frame grabber providing a suitable interface to cameras, synchronization, memory and processing power is required for the image acquisition. In this talk we will present a versatile frame grabber card with Camera Link and CoaXPress interfaces dedicated for MTCA.4 systems. The module acquires images from maximum 4 cameras and delivers resources and synchronization required for further image processing. The module was optimized to provide a high performance but it is still a cost effective solution.

## Summary

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