

KEY FEATURES

- ❖ Fully supports medium or dual base Camera Link™ cameras/frame grabbers
- ❖ Provides 4Gb/s transport bandwidth – up to 6 tabs 8 bits (48 bits) and 66 MHz pixel clock (85MHz optional)
- ❖ Zero loss and transparent transport – no changes required for camera and/or frame grabber
- ❖ Two LC duplex fiber interface
- ❖ 8 opto-isolated GPIO channels (4 inputs and 4 outputs) for external trigger and control
- ❖ Two full duplex RS232 for remote instrument control
- ❖ Single 5V~24V DC power supply
- ❖ Locking AC/DC power adapter
- ❖ Transmission distance depending on your choice of fiber:
 - Multi-mode fiber – up to 250m
 - Single-mode fiber – up to 50km

APPLICATIONS

- ❖ High precision security surveillance (e.g. border control, airport)
- ❖ Bar code reading and sorting (e.g. postal center, packaging)
- ❖ Vehicle license plate reading/recording (e.g. toll booth)
- ❖ Product inspection (e.g. automated production line)
- ❖ Port/Harbor cargo container management
- ❖ Railroad measurement/inspection
- ❖ Traffic surveillance/control
- ❖ Cameras placed in harsh environment (e.g. nuclear plant)
- ❖ Long haul image transmissions (e.g. bridge inspection)
- ❖ Other Machine Vision Applications

PHRONTIER™
TECHNOLOGIES

PHOX™ Camera Link Fiber Extender

Medium/Dual Base Convertible

PHOX-MM-250
PHOX-ML-10/20/40/50



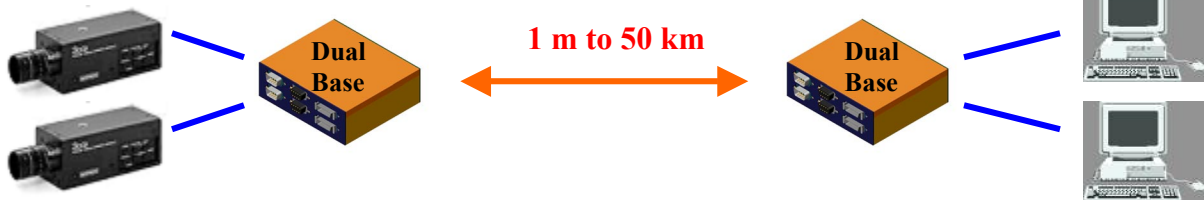
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SYSTEM FLEXIBILITY

1 Medium CL Camera to 1 Medium Framegrabber



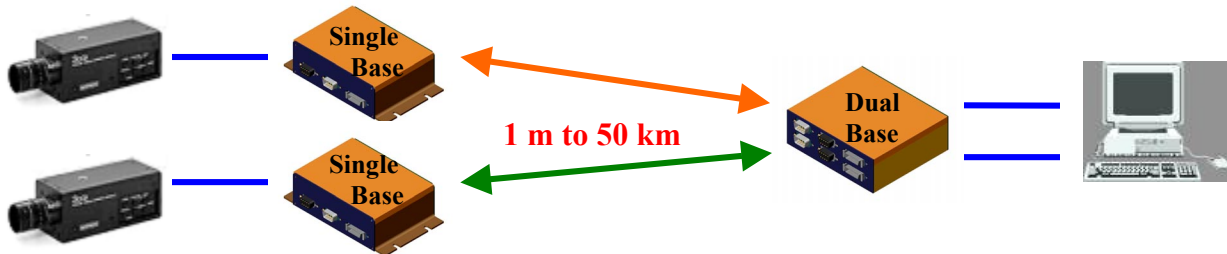
2 CL Cameras to 2 separate CL Base Framegrabbers



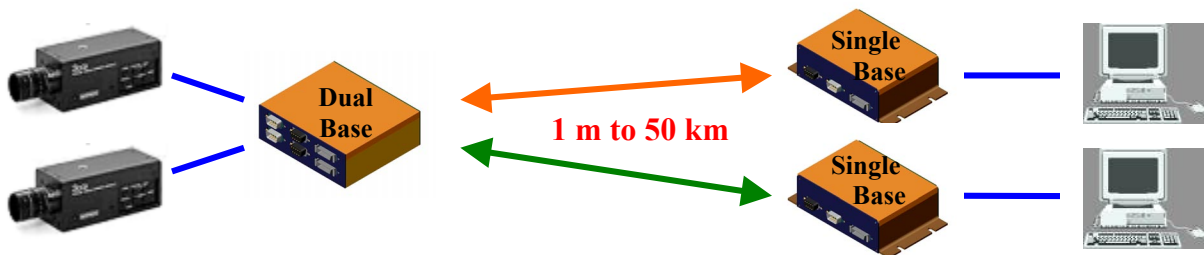
2 CL Cameras to 1 Dual Base Framegrabber



2 Remote CL Cameras to 1 Dual Base Framegrabber

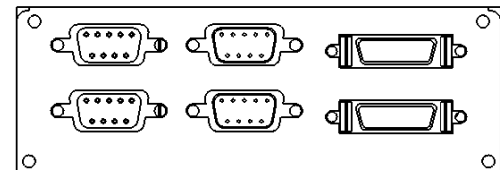
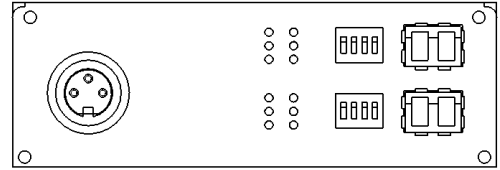
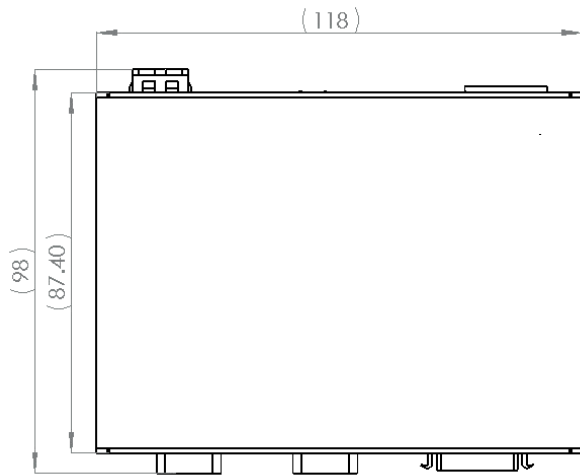


2 CL Cameras to 2 Remote CL Framegrabbers

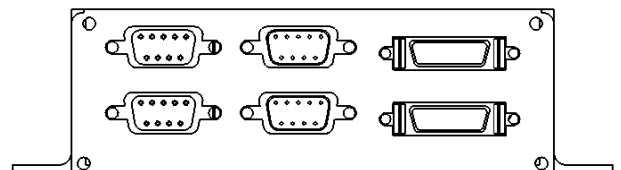
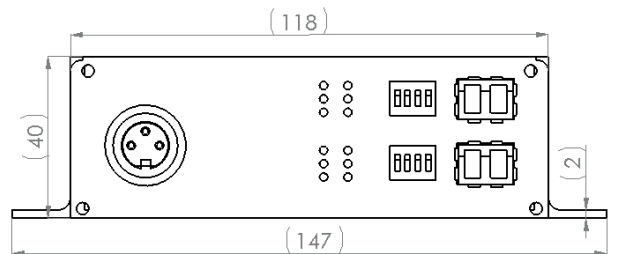
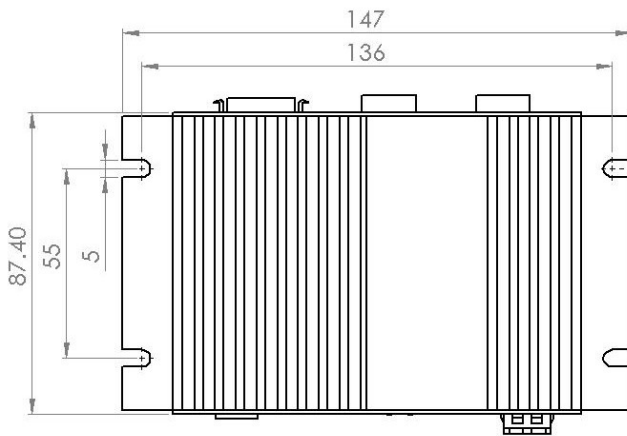


MECHANICAL INFORMATION (mm)

Option 1 – without mounting wings



Option 2 – with mounting wings



ORDERING INFORMATION

Model #	Transport Distance	Check List
PHOX-MM-250	Up to 250 meters*	1x PHOX-CM 1x PHOX-FG 4x DB9 M/F RS232 cable (6ft)
PHOX-ML-xx	Up to 50 kilometers*	2x 12DC international wall mount AC/DC power adapters with locking plug (LC duplex fiber cable not included)

- Note: xx = Maximum transporting distance in kilometers. Available in 10KM, 20KM, 40KM, and 50KM.
- * Distance depending on fiber type and system design. 250 m transmission distance for PHOX-MM is based on 50/125 MM fiber. Extra optical losses in the system will reduce the maximum transmission distance.