**KEY FEATURE**

- Fully supports base Camera Link™ cameras/frame grabbers
- Provides 2Gb/s transport bandwidth – up to 24 bits and 66 MHz pixel clock (85MHz optional)
- Zero loss and transparent transport – no changes required for camera and/or frame grabber
- One LC duplex fiber interface
- 4 opto-isolated GPIO channels (2 inputs and 2 outputs) for external trigger and control
- 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

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**Fiber Guide**

- Use 62.5/125 MM fiber for <150 m
- Use 50/125 MM fiber for <250 m
- Use 9/125 SM fiber for <50 km
MECHANICAL INFORMATION (mm)

Option 1 – without mounting wings

Option 2 – with mounting wings

ORDERING INFORMATION

<table>
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<tr>
<th>Model #</th>
<th>Transport Distance</th>
<th>Check List</th>
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| PHOX-BM-00250 | Up to 250 meters* | 1x PHOX-CM  
1x PHOX-FG  
2x DB9 M/F RS232 cable (6ft) |
| PHOX-BL-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-BM is based on 50/125 MM fiber. Extra optical losses in the system will reduce the maximum transmission distance.

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