

## KEY FEATURES

- ❖ Fully supports Base/Medium/Full configurations for Camera Link™ cameras/frame grabbers
- ❖ Supports the most demanding 10 taps x8 bits extended full configuration
- ❖ Direct plug – no electrical camera link cable needed
- ❖ Two LC duplex fiber interface
- ❖ Single 5V~24V DC power supply
- ❖ Transmission distance - up to 250 meter with 50/125um multimode fiber
- ❖ Compact size – 59L x 42W x 17H mm (2.326L x 1.638W x 0.669H inch)

## TARGET APPLICATIONS

- ❖ High precision security surveillance
- ❖ Bar code reading and sorting
- ❖ Vehicle license plate reading/recording
- ❖ Product inspection
- ❖ Port/Harbor cargo container management
- ❖ Railroad/surface road inspection
- ❖ Traffic surveillance/control
- ❖ Military and defense tests
- ❖ Medical imaging
- ❖ Aerospace test and measurement
- ❖ Cameras placed in harsh environment
- ❖ Long haul image transmissions
- ❖ Other Machine Vision Applications

**PHRONTIER™**  
TECHNOLOGIES

## PHAST™ Camera Link Fiber Adapter

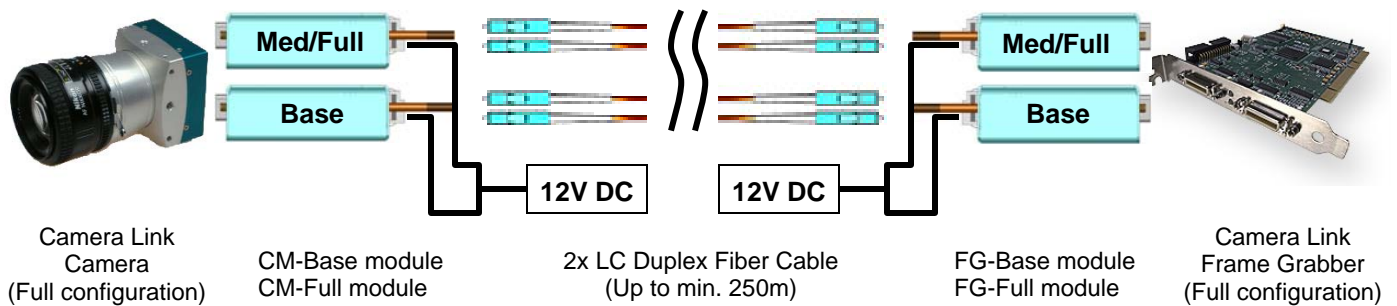
**Base/Medium/Full  
Extended Full  
Configurations**

**PHF-66-M025  
PHF-85-M025**



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## TYPICAL SET UP DIAGRAM



## TECHNICAL SPECIFICATIONS

### General Specification

Operating Temperature	0 ~ 40 °C	
Input Voltage	DC 5 ~ 24 V	
Typical Supply Current @12V DC	CM-base + CM-full	0.38 Amp
	FG-base + FG-full	0.43 Amp
Connector Type	Hirose MQ172X-4PA	
Weight (Approximate)	75 gram each module	

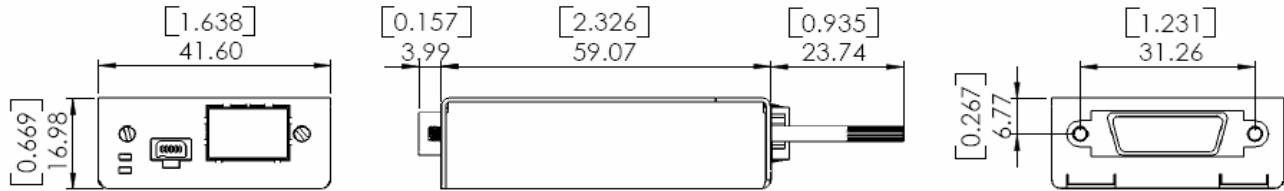
### Camera Link Interface

	PHF-66-M025	PHF-85-M025
Pixel Clock Range	24~66 MHz	60~85 MHz
Supported Camera Configuration	Base, Medium, Full and 10 taps x 8 bits	
Effective Data Throughput	670 Mbytes/s	
Connector Type	MDR26 plug	

### Optical Interface

Operating Wavelength	850 nm
Min Optical Tx Output Power	-10 dBm
Min Optical Rx Power	-15 dBm
Transmission Distance	Up to 250 meter
Connector Type	LC duplex
Fiber Type	50/125 $\mu$ m or 62.5/125 $\mu$ m multimode fibers

## MECHANICAL INFORMATION (mm [inch])



## ORDERING INFORMATION

### System Models

Model #	Pixel CLK	Items included in package
<b>PHF-66-M025</b>	24~66MHz	1x CM-Base (transmitter) 1x CM-Full (transmitter) 1x FG-Base (receiver)
<b>PHF-85-M025</b>	60~85MHz	1x FG-Full (receiver) 2x 12V DC output international wall mount AC/DC power adapters with cable assembly (LC duplex fiber cables not included)

### Accessories

Part #	Description
<b>618-TR12-PHF</b>	12V DC output international wall mount AC/DC power adapter with cable assembly
<b>LC-LC-xxM</b>	LC to LC duplex 50/125 μm MM fiber. xx = desired length in meters.
<b>PHF-CONF-01</b>	Configuration box (optional)



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