

KEY FEATURES

- ❖ Extends link distance for coaxial cables
- ❖ Fully supports CoaXPress 2.0 standard with high speed downlink and low speed uplink
- ❖ Supports all high speed bit rates 1.25G, 2.5G, 3.125G, 5G, 6.25G, 10G and 12.5Gb/s
- ❖ Supports PoCXP function to supply power to camera and receive power from grabber
- ❖ Transparent operation. Plug and play with no configuration required
- ❖ Each channel is independently operated that can be used for 1ch, 2ch or 4ch or any combination of CoaXPress links and data rates.
- ❖ Standard micro-BNC connectors
- ❖ Wide operating temperature range
- ❖ LED indicators for PoCXP operating status
- ❖ Compact size (L x W x H) excluding mounting wings. 27 x 40 x 28 mm (1.08 x 1.57 x 1.1 inches)

TARGET APPLICATIONS

- ❖ Extend link distance for already installed cabling systems
- ❖ Solar panel or glass panel inspection
- ❖ Semiconductor wafer inspection
- ❖ High speed printing inspection
- ❖ High precision surface inspection (e.g. airplane surface or automobile painting)
- ❖ Automated product inspection (e.g. food, drinking or pharmaceutical products)
- ❖ High resolution and real-time analysis for science, sports, automobile tests, and 3-D animation.
- ❖ High precision security surveillance (e.g. border control, airport)
- ❖ Traffic surveillance/control and vehicle license plate reading/recording (e.g. toll booth)
- ❖ Cameras placed in harsh environment (e.g. nuclear plant, steel mill or undersea monitoring) Other machine vision applications

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TECHNOLOGIES

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CoaXPress 2.0 Repeater

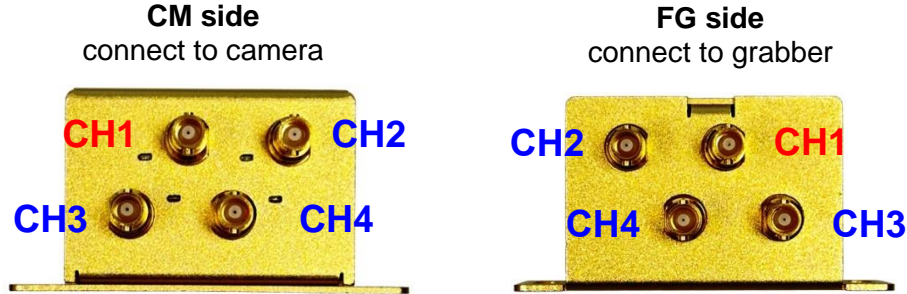
PHE4-RP-T



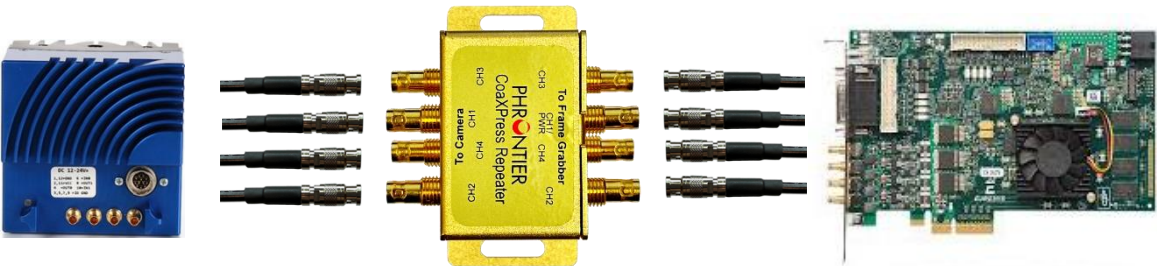
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TYPICAL SET UP DIAGRAM

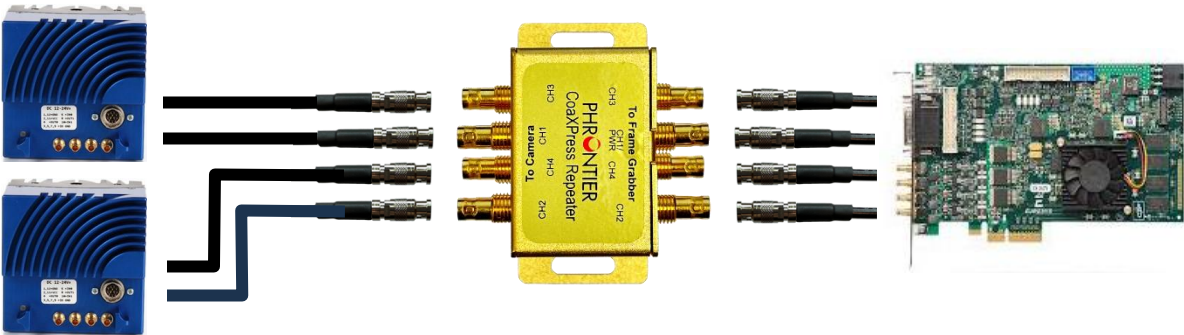
PHE4-RP cable connections



PHE4-RP with 4ch CXP system



PHE4-RP with 2x 2ch CXP system



PHORTE Series

PHE4-RP with 2x 1ch and 1x 2ch CXP system



PHE4-RP with 4x 1ch CXP system



TECHNICAL SPECIFICATIONS

General Specification

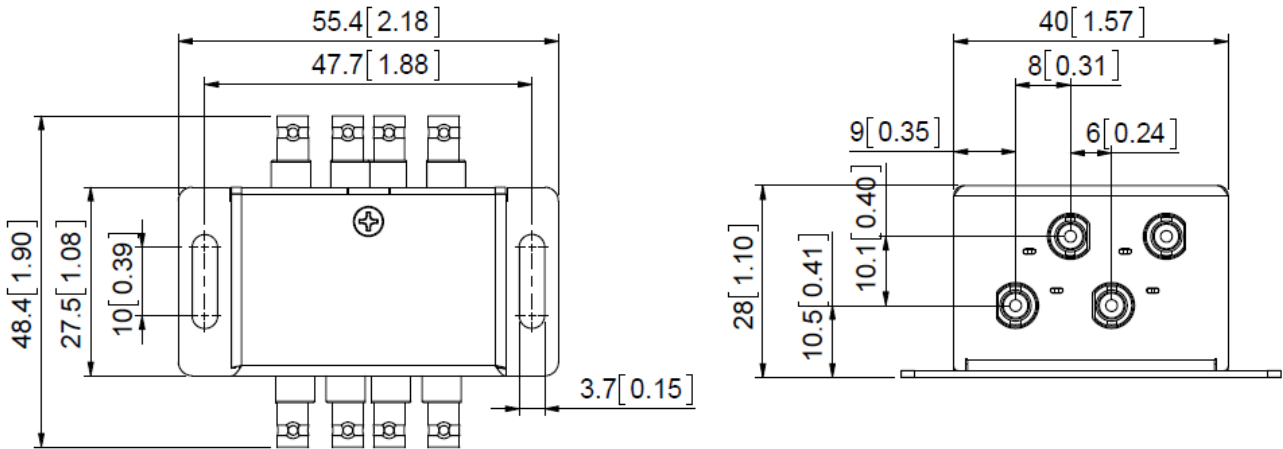
Storage Temperature		-40 ~ 85 °C
Extended Operating Temperature	Ambient	-40 ~ 70 °C
	Case	-40 ~ 75 °C
Operating Humidity		20 ~ 80% (non-condensing)
Power Supply		Through PoCXP on Ch1
Power Consumption @ 25 °C		1W
Approx. Weight (each module)		38 gram (1.34 oz)

PHORTE Series

CoaXPress Interface

Downlink Data Rate	CXP-1;CXP-2;CXP-3;CXP-5;CXP-6;CXP-10;CXP-12
Uplink Data Rate	20.83 Mb/s, 41.66 Mb/s
Connector	Micro-BNC
Pass-through PoCXP Output Voltage	Determined by the connected frame grabber
Pass-through PoCXP Supply Power	Determined by the connected frame grabber

MECHANICAL INFORMATION (mm [inch])



ORDERING INFORMATION

Standard models

Model #	Product Description	Items Provided
PHE4-RP-T	4ch CoaXPress 2.0 repeater	1x PHE4-RP-T module

Accessory

Part #	Description
PTX6-UB-2-SC-xx	6.25Gb/s uBNC-to-DIN1.0/2.3 screw type CXP1.0 cable with Belden 1855A. -xx indicates cable length in meters.
PTX12-UB-1-UB-xx	12Gb/s uBNC-to-uBNC CXP2.0 cable with Belden 4855R. -xx indicates cable length in meters.



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