

## KEY FEATURES

- ❖ Extends link distance for coaxial cables
- ❖ Fully supports CoaXPress standard with high speed downlink and low speed uplink
- ❖ Supports all high speed bit rates – 1.25G, 2.5G, 3.125G, 5G and 6.25Gb/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 – can be used for 1ch, 2ch or 4ch or any combination of CoaXPress links and data rates.
- ❖ Standard DIN 1.0/2.3 connectors
- ❖ Wide operating temperature range
- ❖ Accepts power from PoCXP or wide range of external DC input 10V~24V DC
- ❖ Power connector with secure locking mechanism
- ❖ LED indicators for operating status
- ❖ Compact size (L x W x H) – 87 x 63 x 19 mm (3.425 x 2.465 x 0.752 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

**PHRONTIER™**  
TECHNOLOGIES

**PHORTE™**

**CoaXPress  
Repeater**

**PHT4-RP-T**



## TYPICAL SET UP DIAGRAM

### PHT4-RP with 4ch CXP system



### PHT4-RP with 2x 2ch CXP system



### PHT4-RP with 2x 1ch and 1x 2ch CXP system



### PHT4-RP with 4x 1ch CXP system



## TECHNICAL SPECIFICATIONS

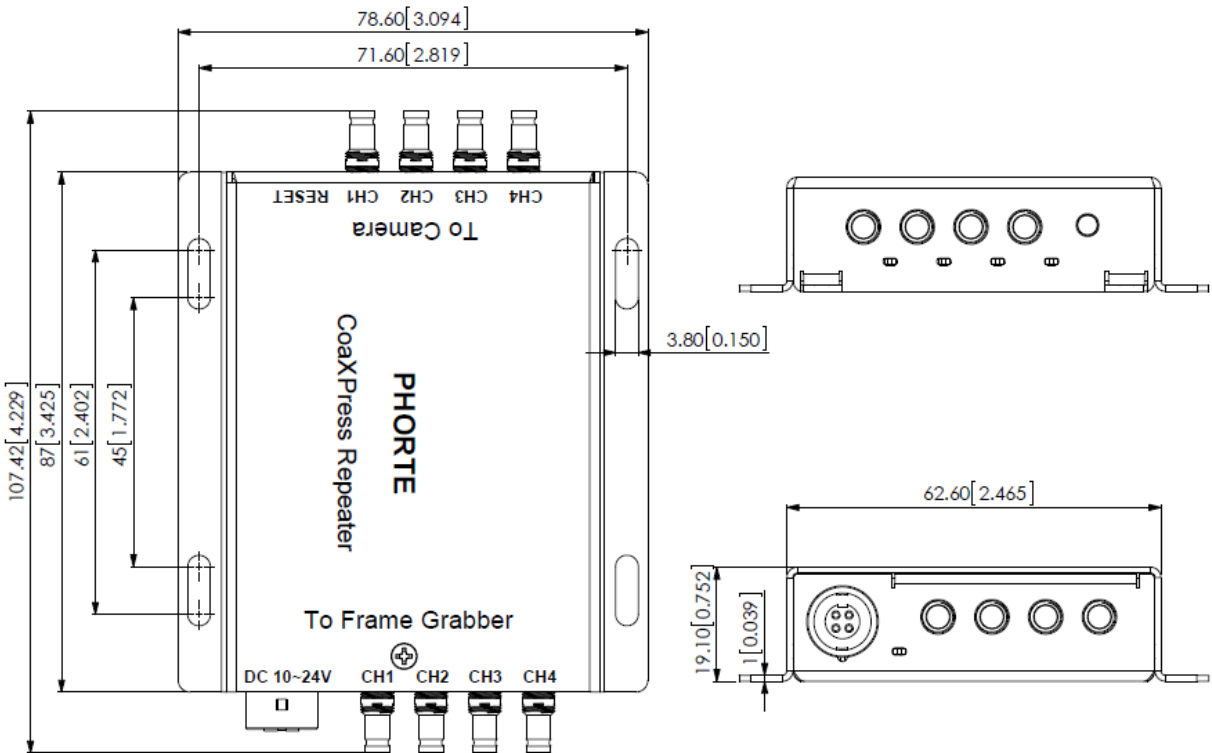
### General Specification

Storage Temperature		-40 ~ 85 °C
Extended Operating Temperature	Ambient	-40 ~ 70 °C
	Case	-40 ~ 75 °C
Operating Humidity		20 ~ 80% (non-condensing)
Input Voltage		DC 10 ~ 24 V
Typical Supply Current @24V		0.1 A
Typical Power Consumption @ 25 °C		2.4 W
Power Connector on Module		Binder 09-0982-00-04
Approx. Weight (each module)		108 gram

### CoaXPress Interface

Downlink Data Rate	CXP-1, CXP-2, CXP-3, CXP-5, CXP-6
Uplink Data Rate	20.83 Mb/s
Connector	DIN1.0/2.3
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
PHT4-RP-T	4ch CoaXPress repeater	1x PHT4-RP module

### Accessory

Part #	Description
618-VER24-BD	24W, DC 24V international wall mount AC/DC adapter with Binder plug

