

Extron Communication Sheet

This document provides additional assistance with wiring your Extron IPL PRO enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instruction, refer to the user's manual for the specific Extron IPL PRO enabled product or the controlled device manufacturer supplied documentation.

Device Information:

Device Type: Conference PTZ
Model(s): CV620-WT/BK, CV612HT-4K

Driver Notes:

- User Defined command takes a string parameter and sends the string out of the port.
- Only Power Command will be sent to the device when it is Off.
- Camera ID must match with the Camera. The default Camera ID is 1.

Driver Timings:

- Recommended repeat rate for this driver is .1 seconds.

Control Commands & States:

Address Set	None		
Backlight	On	Off	
Camera Position	Home	Reset	
Digital Zoom	On	Off	Clear Image Zoom
Factory Reset	None		
Focus¹	Far	Near	Stop ²
Focus Mode	Auto	Manual	One Push Trigger
Freeze	On	Off	
IR Receive	On	Off	
Mirror Image	On	Off	
Motionless Preset	On	Off	
Mute	On	Off	
Pan and Tilt Speed Mode	Normal	Smooth	
Pan Normal³	Left	Right	Stop ²
Pan Smooth³	Left	Right	Stop ²
Picture Flip	On	Off	
Power	On	Off	

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Preset Recall	0 – 127		
Preset Reset	0 – 127		
Preset Save	0 – 127		
Preset Speed	150 degree/second	250 degree/second	300 degree/second
Tally Lamp	On	Off	
Tally Mode	On (Low)	On (High)	Off
Tilt Normal⁴	Up	Down	Stop ²
Tilt Smooth⁴	Up	Down	Stop ²
User Defined Command	None		
User Defined String	String		
Zoom⁵	Tele	Wide	Stop ²

¹ This command requires a Focus Speed Parameter when selecting Far or Near. The Focus Speed parameter is irrelevant when using Stop.

² The Stop command must be configured on the release in order to stop the movement of the camera.

³ This command requires a Pan Speed Parameter when selecting Left or Right. The Pan Speed parameter is irrelevant when using Stop.

⁴ This command requires a Tilt Speed Parameter when selecting Up or Down. The Tilt Speed parameter is irrelevant when using Stop.

⁵ This command requires a Zoom Speed Parameter when selecting Tele or Wide. The Zoom Speed parameter is irrelevant when using Stop.

Status Available:

Backlight	On	Off	
Connection Status RP	Connected	Disconnected	
Digital Zoom	On	Off	Clear Image Zoom
Focus Mode	Auto	Manual	
Freeze	On	Off	
IR Receive	On	Off	
Mirror Image	On	Off	
Mute	On	Off	
Picture Flip	On	Off	
Power	On	Off	
Tally Lamp	On	Off	
Tally Mode	On (Low)	On (High)	Off
User Defined String	String		

^{RP} Connection Status is based off of the following string: \x8X\x09\x7E\x7E\x02\xff where X is Camera ID

Cable and Adapter Requirements:

Captive Screw to Male Mini 8 Pin DIN RS-232 Serial Cable

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Serial communication:

Port Type:	RS-232
Baud Rate:	9600
Data Bits:	8
Parity:	None
Stop Bits:	One
Flow Control:	None

Pin Assignments Diagram:



Signal	Main Cable	Pin	Signal
TxD	→	2	RxD
RxD	←	3	TxD
GND	→	5	GND



No	Pin
1	ETR IN
2	DNR IN
3	TAD IN
4	GND
5	RxD IN
6	GND

General Notes: