This document provides additional assistance with wiring your Extron IP Link Pro Control Processor to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific IP Link Pro Control Processor or the documentation supplied by the manufacturer of the controlled device.

For more information on using Global Scripter Modules, refer to the "Guide to Using Scripter Modules" document.

Device Specifications

Device Type: Camera
Manufacturer: PTZ Optics
Firmware Version: N/A
Model(s):   12X-USB-G2, 20X-SDI-G2, 20X-USB-G2, 12X-SDI-G2

Tested on the Following Software and Firmware Versions

IP Link Pro Control Processor Firmware	Global Scripter Version
2.06.0002-b002	1.4.2

Version History

Module Version	Date	Notes
1_1_0_0	2/23/2018	Added daisy chain support for Serial control.
1_0_1_0	6/29/2017	Initial Version

Module Notes

- Unidirectional variable must be set to 'True' if status is not required. Default value is 'False'.
  Example: `InterfaceName.Unidirectional = 'True'`

- connectionCounter variable must be set to the number of queries that will be sent to the device before displaying 'Disconnected' if no response is received. Default value is 15.
  Example: `InterfaceName.connectionCounter = 5`

- Only for Ethernet control, DeviceID variable must be set to ID of the device. Default value is '1'. DeviceID ranges from '1' to '7' or 'Broadcast'. Example: `InterfaceName.DeviceID = '1'`

Supported Classes and Examples

SerialClass
`InterfaceName = ModuleName.SerialClass(ProcessorName, 'COM1', Model='12X-USB-G2')`
SerialOverEthernetClass
`InterfaceName = ModuleName.SerialOverEthernetClass('192.168.254.254', 2001, Model='12X-USB-G2')`
EthernetClass
`InterfaceName = ModuleName.EthernetClass('192.168.254.254', 5678, Model='12X-USB-G2')`

**Global Scripter Module
Communication Sheet**

Set Commands

Format with Qualifier:
```
InterfaceName.Set(Command, Value, {'Qualifier Key': 'Qualifier Value'})
```

Format without Qualifier:
```
InterfaceName.Set(Command, Value)
```

Command	Value	Value	Value
AutoFocus	'On'	'Off'	
Qualifier Key	Qualifier Value	Qualifier Value	
'Device ID'	'1' – '7'	'Broadcast'	
`# AutoFocus example` `InterfaceName.Set('AutoFocus', 'On', {'Device ID': '1'})`			
Command **BackLight**	Value 'On'	Value 'Off'	
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
`# BackLight example` `InterfaceName.Set('BackLight', 'On', {'Device ID': '1'})`			
Command **Focus**	Value 'Stop'	Value 'Far'	Value 'Near'
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
Qualifier Key **'Focus Speed'**	Qualifier Value 0 to 7 in steps of 1		
`# Focus example` `InterfaceName.Set('Focus', 'Stop', {'Device ID': '1', 'Focus Speed': 7})`			
Command **Gain**	Value 'Up'	Value 'Down'	Value 'Reset'
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
`# Gain example` `InterfaceName.Set('Gain', 'Up', {'Device ID': '1'})`			
Command **Iris**	Value 'Reset'	Value 'Up'	Value 'Down'
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
`# Iris example` `InterfaceName.Set('Iris', 'Reset', {'Device ID': '1'})`			
Command **PanTilt**	Value 'Up'	Value 'Down'	Value 'Left'

	'Right'	'Up Left'	'Up Right'
	'Down Left'	'Down Right'	'Stop'
	'Home'	'Reset'	
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
Qualifier Key **'Pan Speed'**	Qualifier Value 1 to 24 in steps of 1		
Qualifier Key **'Tilt Speed'**	Qualifier Value 1 to 20 in steps of 1		

# PanTilt example 	
InterfaceName.Set('PanTilt', 'Up', {'Device ID': '1', 'Pan Speed': 24, 'Tilt Speed': 20})			

Command **Power**	Value 'On'	Value 'Off'	
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	

# Power example 	
InterfaceName.Set('Power', 'On', {'Device ID': '1'})			

Command **PresetRecall**	Value '0' – '254'		
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	

# PresetRecall example 	
InterfaceName.Set('PresetRecall', '0', {'Device ID': '1'})			

Command **PresetReset**	Value '0' – '254'		
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	

# PresetReset example 	
InterfaceName.Set('PresetReset', '0', {'Device ID': '1'})			

Command **PresetSave**	Value '0' – '254'		
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	

# PresetSave example 	
InterfaceName.Set('PresetSave', '0', {'Device ID': '1'})			

Command **Zoom**	Value 'Stop'	Value 'Tele'	Value 'Wide'
Qualifier Key **'Device ID'**	Qualifier Value '1' – '7'	Qualifier Value 'Broadcast'	
Qualifier Key **'Zoom Speed'**	Qualifier Value 0 to 7 in steps of 1		

```
# Zoom example
InterfaceName.Set('Zoom', 'Stop', {'Device ID': '1', 'Zoom Speed': 7})
```

Status Available

For all commands, call Update to receive the latest status. ConnectionStatus does not support the Update
function and is triggered by the device providing a successful response to other Update function calls.

Format with Qualifier:
```
InterfaceName.Update(Command, {'Qualifier Key': 'Qualifier Value'})
Value = InterfaceName.ReadStatus(Command, {'Qualifier Key': 'Qualifier Value'})
InterfaceName.SubscribeStatus(Command, {'Qualifier Key': 'Qualifier Value'}, FeedbackHandler)
```
FeedbackHandler will be called only when the specified qualifier gets a new status.

Format without Qualifier:
```
InterfaceName.Update(Command)
Value = InterfaceName.ReadStatus(Command)
InterfaceName.SubscribeStatus(Command, None, FeedbackHandler)
```
FeedbackHandler will be called when any qualifier gets a new status.

Command	Value	Value
AutoFocus	'On'	'Off'
Qualifier Key	Qualifier Value	Qualifier Value
'Device ID'	'1' – '7'	'Broadcast'

# AutoFocus examples 	
InterfaceName.Update('AutoFocus', {'Device ID': '1'})
Value = InterfaceName.ReadStatus('AutoFocus', {'Device ID': '1'})
InterfaceName.SubscribeStatus('AutoFocus', None, FeedbackHandler)		

Command	Value	Value
BackLight	'On'	'Off'
Qualifier Key	Qualifier Value	Qualifier Value
'Device ID'	'1' – '7'	'Broadcast'

# BackLight examples 	
InterfaceName.Update('BackLight', {'Device ID': '1'})
Value = InterfaceName.ReadStatus('BackLight', {'Device ID': '1'})
InterfaceName.SubscribeStatus('BackLight', None, FeedbackHandler)		

Command	Value	Value
ConnectionStatus	'Connected'	'Disconnected'

# ConnectionStatus examples 	
Value = InterfaceName.ReadStatus('ConnectionStatus')
InterfaceName.SubscribeStatus('ConnectionStatus', None, FeedbackHandler)		

Command	Value	Value
Power	'On'	'Off'
Qualifier Key	Qualifier Value	Qualifier Value
'Device ID'	'1' – '7'	'Broadcast'

# Power examples 	
InterfaceName.Update('Power', {'Device ID': '1'})
Value = InterfaceName.ReadStatus('Power', {'Device ID': '1'})
InterfaceName.SubscribeStatus('Power', None, FeedbackHandler)		

Cable and Adapter Requirements

Captive Screw to DIN-8 VISCA Serial Cable

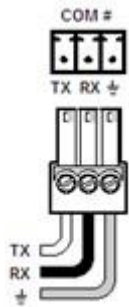## Notes for the Device

Serial communication

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

Pin Assignments Diagram

Signal	Main Cable	Pin	Signal
TxD	⟶	2	RxD
RxD	⟵	3	TxD
GND	⟷	5	GND
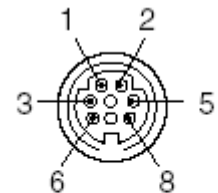
Mini 8 Pin DIN, Female

Camera

Network communication

When configuring the Ethernet module, be sure device settings match those of the Global Scripter ethernet
interface

Port Type: Ethernet

Default Port: 5678

**Logon Credentials
Supported:**   No

**Multi-Connection
Capabilities:**   Yes

Port Changeability: Yes

Ethernet Module Configuration Description

Please refer to user manual for settings and changes to the network communication

Notes for the Device

**Global Scripter Module
Communication Sheet**

Appendix A. Set Commands (Serial)

Auto Focus Off Device ID 1	\x81\x01\x048\x03\xFF
Auto Focus On Device ID 1	\x81\x01\x048\x02\xFF
Auto Focus Off Device ID 7	\x87\x01\x048\x03\xFF
Auto Focus On Device ID 7	\x87\x01\x048\x02\xFF
Back Light Off Device ID 1	\x81\x01\x043\x03\xFF
Back Light On Device ID 1	\x81\x01\x043\x02\xFF
Back Light Off Device ID 7	\x87\x01\x043\x03\xFF
Back Light On Device ID 7	\x87\x01\x043\x02\xFF
Focus Far Device ID 1 Focus Speed 0	\x81\x01\x04\x08 \xFF
Focus Near Device ID 1 Focus Speed 0	\x81\x01\x04\x080\xFF
Focus Stop Device ID 1 Focus Speed 0	\x81\x01\x04\x08\x00\xFF
Focus Far Device ID 1 Focus Speed 7	\x81\x01\x04\x08'\xFF
Focus Near Device ID 1 Focus Speed 7	\x81\x01\x04\x087\xFF
Focus Stop Device ID 1 Focus Speed 7	\x81\x01\x04\x08\x00\xFF
Focus Far Device ID 7 Focus Speed 0	\x87\x01\x04\x08 \xFF
Focus Near Device ID 7 Focus Speed 0	\x87\x01\x04\x080\xFF
Focus Stop Device ID 7 Focus Speed 0	\x87\x01\x04\x08\x00\xFF
Focus Far Device ID 7 Focus Speed 7	\x87\x01\x04\x08'\xFF
Focus Near Device ID 7 Focus Speed 7	\x87\x01\x04\x087\xFF
Focus Stop Device ID 7 Focus Speed 7	\x87\x01\x04\x08\x00\xFF
Gain Down Device ID 1	\x81\x01\x04\x0C\x03\xFF
Gain Reset Device ID 1	\x81\x01\x04\x0C\x00\xFF
Gain Up Device ID 1	\x81\x01\x04\x0C\x02\xFF
Gain Down Device ID 7	\x87\x01\x04\x0C\x03\xFF
Gain Reset Device ID 7	\x87\x01\x04\x0C\x00\xFF
Gain Up Device ID 7	\x87\x01\x04\x0C\x02\xFF
Iris Down Device ID 1	\x81\x01\x04\x0B\x03\xFF
Iris Reset Device ID 1	\x81\x01\x04\x0B\x00\xFF
Iris Up Device ID 1	\x81\x01\x04\x0B\x02\xFF
Iris Down Device ID 7	\x87\x01\x04\x0B\x03\xFF
Iris Reset Device ID 7	\x87\x01\x04\x0B\x00\xFF
Iris Up Device ID 7	\x87\x01\x04\x0B\x02\xFF
Pan Tilt Down Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x02\xFF
Pan Tilt Down Left Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x01\x02\xFF
Pan Tilt Down Right Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x02\xFF

**Global Scripter Module
Communication Sheet**

Pan Tilt Home Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x04\xFF
Pan Tilt Left Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x01\x03\xFF
Pan Tilt Reset Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x05\xFF
Pan Tilt Right Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x03\xFF
Pan Tilt Stop Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x03\xFF
Pan Tilt Up Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x01\xFF
Pan Tilt Up Left Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x01\x01\xFF
Pan Tilt Up Right Device ID 1 Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x01\xFF
Pan Tilt Down Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x03\x02\xFF
Pan Tilt Down Left Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x01\x02\xFF
Pan Tilt Down Right Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x02\x02\xFF
Pan Tilt Home Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x04\xFF
Pan Tilt Left Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x01\x03\xFF
Pan Tilt Reset Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x05\xFF
Pan Tilt Right Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x02\x03\xFF
Pan Tilt Stop Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x03\x03\xFF
Pan Tilt Up Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x03\x01\xFF
Pan Tilt Up Left Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x01\x01\xFF
Pan Tilt Up Right Device ID 1 Pan Speed 1 Tilt Speed 20	\x81\x01\x06\x01\x01\x14\x02\x01\xFF
Pan Tilt Down Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x02\xFF
Pan Tilt Down Left Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x01\x02\xFF
Pan Tilt Down Right Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x02\xFF
Pan Tilt Home Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x04\xFF
Pan Tilt Left Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x01\x03\xFF
Pan Tilt Reset Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x05\xFF
Pan Tilt Right Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x03\xFF
Pan Tilt Stop Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x03\xFF
Pan Tilt Up Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x01\xFF
Pan Tilt Up Left Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x01\x01\xFF
Pan Tilt Up Right Device ID 1 Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x01\xFF
Pan Tilt Down Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x03\x02\xFF
Pan Tilt Down Left Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x01\x02\xFF

Pan Tilt Down Right Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x02\x02\xFF
Pan Tilt Home Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x04\xFF
Pan Tilt Left Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x01\x03\xFF
Pan Tilt Reset Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x05\xFF
Pan Tilt Right Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x02\x03\xFF
Pan Tilt Stop Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x03\x03\xFF
Pan Tilt Up Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x03\x01\xFF
Pan Tilt Up Left Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x01\x01\xFF
Pan Tilt Up Right Device ID 1 Pan Speed 24 Tilt Speed 20	\x81\x01\x06\x01\x18\x14\x02\x01\xFF
Pan Tilt Down Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x03\x02\xFF
Pan Tilt Down Left Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x01\x02\xFF
Pan Tilt Down Right Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x02\x02\xFF
Pan Tilt Home Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x04\xFF
Pan Tilt Left Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x01\x03\xFF
Pan Tilt Reset Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x05\xFF
Pan Tilt Right Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x02\x03\xFF
Pan Tilt Stop Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x03\x03\xFF
Pan Tilt Up Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x03\x01\xFF
Pan Tilt Up Left Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x01\x01\xFF
Pan Tilt Up Right Device ID 7 Pan Speed 1 Tilt Speed 1	\x87\x01\x06\x01\x01\x01\x02\x01\xFF
Pan Tilt Down Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x03\x02\xFF
Pan Tilt Down Left Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x01\x02\xFF
Pan Tilt Down Right Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x02\x02\xFF
Pan Tilt Home Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x04\xFF
Pan Tilt Left Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x01\x03\xFF
Pan Tilt Reset Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x05\xFF
Pan Tilt Right Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x02\x03\xFF
Pan Tilt Stop Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x03\x03\xFF
Pan Tilt Up Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x03\x01\xFF
Pan Tilt Up Left Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x01\x01\xFF
Pan Tilt Up Right Device ID 7 Pan Speed 1 Tilt Speed 20	\x87\x01\x06\x01\x01\x14\x02\x01\xFF

Rev. B

**Global Scripter Module
Communication Sheet**

Pan Tilt Down Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x03\x02\xFF
Pan Tilt Down Left Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x01\x02\xFF
Pan Tilt Down Right Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x02\x02\xFF
Pan Tilt Home Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x04\xFF
Pan Tilt Left Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x01\x03\xFF
Pan Tilt Reset Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x05\xFF
Pan Tilt Right Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x02\x03\xFF
Pan Tilt Stop Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x03\x03\xFF
Pan Tilt Up Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x03\x01\xFF
Pan Tilt Up Left Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x01\x01\xFF
Pan Tilt Up Right Device ID 7 Pan Speed 24 Tilt Speed 1	\x87\x01\x06\x01\x18\x01\x02\x01\xFF
Pan Tilt Down Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x03\x02\xFF
Pan Tilt Down Left Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x01\x02\xFF
Pan Tilt Down Right Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x02\x02\xFF
Pan Tilt Home Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x04\xFF
Pan Tilt Left Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x01\x03\xFF
Pan Tilt Reset Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x05\xFF
Pan Tilt Right Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x02\x03\xFF
Pan Tilt Stop Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x03\x03\xFF
Pan Tilt Up Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x03\x01\xFF
Pan Tilt Up Left Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x01\x01\xFF
Pan Tilt Up Right Device ID 7 Pan Speed 24 Tilt Speed 20	\x87\x01\x06\x01\x18\x14\x02\x01\xFF
Power Off Device ID 1	\x81\x01\x04\x00\x03\xFF
Power On Device ID 1	\x81\x01\x04\x00\x02\xFF
Power Off Device ID 7	\x87\x01\x04\x00\x03\xFF
Power On Device ID 7	\x87\x01\x04\x00\x02\xFF
Preset Recall 0 Device ID 1	\x81\x01\x04?\x02\x00\xFF
Preset Recall 254 Device ID 1	\x81\x01\x04?\x02\xFE\xFF
Preset Recall 0 Device ID 7	\x87\x01\x04?\x02\x00\xFF
Preset Recall 254 Device ID 7	\x87\x01\x04?\x02\xFE\xFF
Preset Reset 0 Device ID 1	\x81\x01\x04?\x00\x00\xFF
Preset Reset 254 Device ID 1	\x81\x01\x04?\x00\xFE\xFF

Rev. B

**Global Scripter Module
Communication Sheet**

Preset Reset 0 Device ID 7	\x87\x01\x04?\x00\x00\xFF
Preset Reset 254 Device ID 7	\x87\x01\x04?\x00\xFE\xFF
Preset Save 0 Device ID 1	\x81\x01\x04?\x01\x00\xFF
Preset Save 254 Device ID 1	\x81\x01\x04?\x01\xFE\xFF
Preset Save 0 Device ID 7	\x87\x01\x04?\x01\x00\xFF
Preset Save 254 Device ID 7	\x87\x01\x04?\x01\xFE\xFF
Zoom Stop Device ID 1 Zoom Speed 0	\x81\x01\x04\x07\x00\xFF
Zoom Tele Device ID 1 Zoom Speed 0	\x81\x01\x04\x07 \xFF
Zoom Wide Device ID 1 Zoom Speed 0	\x81\x01\x04\x070\xFF
Zoom Stop Device ID 1 Zoom Speed 7	\x81\x01\x04\x07\x00\xFF
Zoom Tele Device ID 1 Zoom Speed 7	\x81\x01\x04\x07'\xFF
Zoom Wide Device ID 1 Zoom Speed 7	\x81\x01\x04\x077\xFF
Zoom Stop Device ID 7 Zoom Speed 0	\x87\x01\x04\x07\x00\xFF
Zoom Tele Device ID 7 Zoom Speed 0	\x87\x01\x04\x07 \xFF
Zoom Wide Device ID 7 Zoom Speed 0	\x87\x01\x04\x070\xFF
Zoom Stop Device ID 7 Zoom Speed 7	\x87\x01\x04\x07\x00\xFF
Zoom Tele Device ID 7 Zoom Speed 7	\x87\x01\x04\x07'\xFF
Zoom Wide Device ID 7 Zoom Speed 7	\x87\x01\x04\x077\xFF

Rev. B

**Global Scripter Module
Communication Sheet**

Appendix B. Update Commands (Serial)

Auto Focus Device ID 1	`\x81\x09\x048\xFF`
Auto Focus Device ID 7	`\x87\x09\x048\xFF`
Back Light Device ID 1	`\x81\x09\x043\xFF`
Back Light Device ID 7	`\x87\x09\x043\xFF`
Power Device ID 1	`\x81\x09\x04\x00\xFF`
Power Device ID 7	`\x87\x09\x04\x00\xFF`

Appendix C. Set Commands (Ethernet)

Auto Focus Off	\x01\x01\x048\x03\xFF
Auto Focus On	\x01\x01\x048\x02\xFF
Focus Far Focus Speed 0	\x01\x01\x04\x08 \xFF
Focus Near Focus Speed 0	\x01\x01\x04\x080\xFF
Focus Stop Focus Speed 0	\x01\x01\x04\x08\x00\xFF
Focus Far Focus Speed 7	\x01\x01\x04\x08'\xFF
Focus Near Focus Speed 7	\x01\x01\x04\x087\xFF
Focus Stop Focus Speed 7	\x01\x01\x04\x08\x00\xFF
Pan Tilt Down Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x03\x02\xFF
Pan Tilt Down Left Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x01\x02\xFF
Pan Tilt Down Right Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x02\x02\xFF
Pan Tilt Home Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x04\xFF
Pan Tilt Left Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x01\x03\xFF
Pan Tilt Reset Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x05\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x02\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x03\x03\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x03\x01\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x01\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 1	\x01\x01\x06\x01\x01\x01\x02\x01\xFF
Pan Tilt Down Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x03\x02\xFF
Pan Tilt Down Left Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x01\x02\xFF
Pan Tilt Down Right Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x02\x02\xFF
Pan Tilt Home Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x04\xFF
Pan Tilt Left Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x01\x03\xFF
Pan Tilt Reset Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x05\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x02\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x03\x03\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x03\x01\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x01\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 20	\x01\x01\x06\x01\x01\x14\x02\x01\xFF
Pan Tilt Down Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x03\x02\xFF
Pan Tilt Down Left Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x01\x02\xFF
Pan Tilt Down Right Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x02\x02\xFF
Pan Tilt Home Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x04\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x01\x03\xFF
Pan Tilt Reset Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x05\xFF

Pan Tilt Right Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x02\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x03\x03\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x03\x01\xFF
Pan Tilt Up Left Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x01\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 1	\x01\x01\x06\x01\x18\x01\x02\x01\xFF
Pan Tilt Down Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x03\x02\xFF
Pan Tilt Down Left Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x01\x02\xFF
Pan Tilt Down Right Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x02\x02\xFF
Pan Tilt Home Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x04\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x01\x03\xFF
Pan Tilt Reset Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x05\xFF
Pan Tilt Right Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x02\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x03\x03\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x03\x01\xFF
Pan Tilt Up Left Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x01\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 20	\x01\x01\x06\x01\x18\x14\x02\x01\xFF
Preset Recall 0	\x01\x01\x04?\x02\x00\xFF
Preset Recall 254	\x01\x01\x04?\x02\xFE\xFF
Preset Reset 0	\x01\x01\x04?\x00\x00\xFF
Preset Reset 254	\x01\x01\x04?\x00\xFE\xFF
Preset Save 0	\x01\x01\x04?\x01\x00\xFF
Preset Save 254	\x01\x01\x04?\x01\xFE\xFF
Zoom Stop Zoom Speed 0	\x01\x01\x04\x07\x00\xFF
Zoom Tele Zoom Speed 0	\x01\x01\x04\x07 \xFF
Zoom Wide Zoom Speed 0	\x01\x01\x04\x070\xFF
Zoom Stop Zoom Speed 7	\x01\x01\x04\x07\x00\xFF
Zoom Tele Zoom Speed 7	\x01\x01\x04\x07'\xFF
Zoom Wide Zoom Speed 7	\x01\x01\x04\x077\xFF