

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 Scriptor Modules, refer to the "[Guide to Using Scriptor Modules](#)" document.

Device Specifications

Device Type: Camera
Manufacturer: Visca
Firmware Version: N/A
Model(s): Visca

Tested on the Following Software and Firmware Versions

IP Link Pro Control Processor Firmware	Global Scriptor Version
3.04.0001-b002	2.3.1

Version History

Module Version	Date	Notes
1_0_1_2	10/16/2019	Fixed Ethernetclass issue.
1_0_1_1	12/17/2018	Updated module to Rev. B1
1_0_1_0	11/1/2016	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`
- Serial Control DeviceID variable must be set accordingly. Default value is '1'. DeviceID ranges from 1 – 7. Ethernet Control cannot be changed, and it is fixed at '1'
Example: `InterfaceName.DeviceID = '1'`

Supported Classes and Examples

SerialClass
<code>InterfaceName = ModuleName.SerialClass(ProcessorName, 'COM1', Model='Visca')</code>
SerialOverEthernetClass
<code>InterfaceName = ModuleName.SerialOverEthernetClass('192.168.254.254', 2001, Model='Visca')</code>
EthernetClass
<code>InterfaceName = ModuleName.EthernetClass('192.168.254.254', 52381, Model='Visca')</code>

Control Commands (Serial)

Format with Qualifier:

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

Format without Qualifier:

```
InterfaceName.Set(Command, Value)
```

Command AutoExposure	Value 'Automatic Exposure Mode' 'Iris Priority Mode'	Value 'Manual Control Mode' 'Bright Mode'	Value 'Shutter Priority Mode'
# AutoExposure example InterfaceName.Set('AutoExposure', 'Automatic Exposure Mode')			
Command AutoFocus	Value 'Auto'	Value 'Manual'	
# AutoFocus example InterfaceName.Set('AutoFocus', 'Auto')			
Command BacklightMode	Value 'On'	Value 'Off'	
# BacklightMode example InterfaceName.Set('BacklightMode', 'On')			
Command Focus	Value 'Near'	Value 'Far'	Value 'Stop'
Qualifier Key 'Focus Speed'	Qualifier Value 0 to 7 in steps of 1		
# Focus example InterfaceName.Set('Focus', 'Near', {'Focus Speed': 7})			
Command Gain	Value 'Up'	Value 'Down'	Value 'Reset'
# Gain example InterfaceName.Set('Gain', 'Up')			
Command IRReceiver	Value 'On'	Value 'Off'	
# IRReceiver example InterfaceName.Set('IRReceiver', 'On')			
Command Iris	Value 'Reset'	Value 'Up'	Value 'Down'
# Iris example InterfaceName.Set('Iris', 'Reset')			

Global Scripiter Module Communication Sheet

Command PanTilt	Value 'Up' 'Right' 'Down Left'	Value 'Down' 'Up Left' 'Down Right'	Value 'Left' 'Up Right' 'Stop'
Qualifier Key 'Pan Speed'	Qualifier Value 1 to 24 in steps of 1		
Qualifier Key 'Tilt Speed'	Qualifier Value 1 to 24 in steps of 1		
# PanTilt example InterfaceName.Set('PanTilt', 'Up', {'Pan Speed': 24, 'Tilt Speed': 24})			
Command Power	Value 'On'	Value 'Off'	
# Power example InterfaceName.Set('Power', 'On')			
Command RecallPreset	Value '1' – '16'		
# RecallPreset example InterfaceName.Set('RecallPreset', '1')			
Command SavePreset	Value '1' – '16'		
# SavePreset example InterfaceName.Set('SavePreset', '1')			
Command Shutter	Value 'On'	Value 'Off'	Value 'Reset'
# Shutter example InterfaceName.Set('Shutter', 'On')			
Command Zoom	Value 'Tele'	Value 'Wide'	Value 'Stop'
Qualifier Key 'Zoom Speed'	Qualifier Value 0 to 7 in steps of 1		
# Zoom example InterfaceName.Set('Zoom', 'Tele', {'Zoom Speed': 7})			

Status Available (Serial)

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	Value
AutoExposure	'Automatic Exposure Mode'	'Manual Control Mode'	'Shutter Priority Mode'
	'Iris Priority Mode'	'Bright Mode'	
# AutoExposure examples InterfaceName.Update('AutoExposure') Value = InterfaceName.ReadStatus('AutoExposure') InterfaceName.SubscribeStatus('AutoExposure', None, FeedbackHandler)			
Command	Value	Value	
AutoFocus	'Auto'	'Manual'	
# AutoFocus examples InterfaceName.Update('AutoFocus') Value = InterfaceName.ReadStatus('AutoFocus') InterfaceName.SubscribeStatus('AutoFocus', None, FeedbackHandler)			
Command	Value	Value	
BacklightMode	'On'	'Off'	
# BacklightMode examples InterfaceName.Update('BacklightMode') Value = InterfaceName.ReadStatus('BacklightMode') InterfaceName.SubscribeStatus('BacklightMode', None, FeedbackHandler)			
Command	Value	Value	
Power	'On'	'Off'	
# Power examples InterfaceName.Update('Power') Value = InterfaceName.ReadStatus('Power') InterfaceName.SubscribeStatus('Power', None, FeedbackHandler)			

Control Commands (Ethernet)

Format with Qualifier:

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

Format without Qualifier:

```
InterfaceName.Set(Command, Value)
```

Command AutoExposure	Value 'Automatic Exposure Mode' 'Iris Priority Mode'	Value 'Manual Control Mode' 'Bright Mode'	Value 'Shutter Priority Mode'
# AutoExposure example InterfaceName.Set('AutoExposure', 'Automatic Exposure Mode')			
Command AutoFocus	Value 'Auto'	Value 'Manual'	
# AutoFocus example InterfaceName.Set('AutoFocus', 'Auto')			
Command BacklightMode	Value 'On'	Value 'Off'	
# BacklightMode example InterfaceName.Set('BacklightMode', 'On')			
Command Focus	Value 'Near'	Value 'Far'	Value 'Stop'
Qualifier Key 'Focus Speed'	Qualifier Value 0 to 7 in steps of 1		
# Focus example InterfaceName.Set('Focus', 'Near', {'Focus Speed': 7})			
Command Gain	Value 'Up'	Value 'Down'	Value 'Reset'
# Gain example InterfaceName.Set('Gain', 'Up')			
Command IRReceiver	Value 'On'	Value 'Off'	
# IRReceiver example InterfaceName.Set('IRReceiver', 'On')			
Command Iris	Value 'Reset'	Value 'Up'	Value 'Down'
# Iris example InterfaceName.Set('Iris', 'Reset')			

Global Scripter Module Communication Sheet

Command PanTilt	Value 'Up' 'Right' 'Down Left'	Value 'Down' 'Up Left' 'Down Right'	Value 'Left' 'Up Right' 'Stop'
Qualifier Key 'Pan Speed'	Qualifier Value 1 to 24 in steps of 1		
Qualifier Key 'Tilt Speed'	Qualifier Value 1 to 24 in steps of 1		
# PanTilt example InterfaceName.Set('PanTilt', 'Up', {'Pan Speed': 24, 'Tilt Speed': 24})			
Command Power	Value 'On'	Value 'Off'	
# Power example InterfaceName.Set('Power', 'On')			
Command RecallPreset	Value '1' – '16'		
# RecallPreset example InterfaceName.Set('RecallPreset', '1')			
Command SavePreset	Value '1' – '16'		
# SavePreset example InterfaceName.Set('SavePreset', '1')			
Command Shutter	Value 'On'	Value 'Off'	Value 'Reset'
# Shutter example InterfaceName.Set('Shutter', 'On')			
Command Zoom	Value 'Tele'	Value 'Wide'	Value 'Stop'
Qualifier Key 'Zoom Speed'	Qualifier Value 0 to 7 in steps of 1		
# Zoom example InterfaceName.Set('Zoom', 'Tele', {'Zoom Speed': 7})			

Status Available (Ethernet)

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	Value
AutoExposure	'Automatic Exposure Mode'	'Manual Control Mode'	'Shutter Priority Mode'
	'Iris Priority Mode'	'Bright Mode'	
# AutoExposure examples InterfaceName.Update('AutoExposure') Value = InterfaceName.ReadStatus('AutoExposure') InterfaceName.SubscribeStatus('AutoExposure', None, FeedbackHandler)			
Command	Value	Value	
AutoFocus	'Auto'	'Manual'	
# AutoFocus examples InterfaceName.Update('AutoFocus') Value = InterfaceName.ReadStatus('AutoFocus') InterfaceName.SubscribeStatus('AutoFocus', None, FeedbackHandler)			
Command	Value	Value	
BacklightMode	'On'	'Off'	
# BacklightMode examples InterfaceName.Update('BacklightMode') Value = InterfaceName.ReadStatus('BacklightMode') InterfaceName.SubscribeStatus('BacklightMode', None, FeedbackHandler)			
Command	Value	Value	
Power	'On'	'Off'	
# Power examples InterfaceName.Update('Power') Value = InterfaceName.ReadStatus('Power') InterfaceName.SubscribeStatus('Power', None, FeedbackHandler)			

Cable and Adapter Requirements

Captive Screw to DIN-8 VISCA Serial Cable

Notes for the Device

If dip switch for address is set to 0 (Auto), cameras will automatically assign an address to the camera. Address from 1 to 7 can be assigned to different cameras. If address is set manually on dip switch, it must match the address assigned in the driver.

Serial communication

Port Type: RS-232, Serial_RS422

Baud Rate: 9600

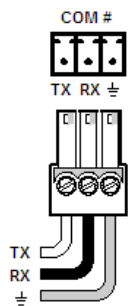
Data Bits: 8

Parity: None

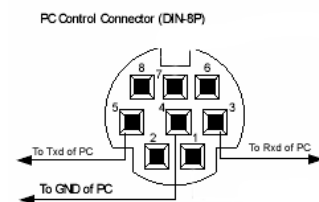
Stop Bits: One

Flow Control: None

Pin Assignments Diagram



Signal	Main Cable	Pin	Signal
TxD	→	5	RxD
RxD	←	3	TxD
GND		4	GND



Network communication

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

Port Type:	Ethernet
Default Port:	52381
Logon Credentials Supported:	No
Multi-Connection	Max 5
Capabilities:	
Port Changeability:	Yes

Ethernet Module Configuration Description

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

Notes for the Device

Appendix A. Set Commands (Serial)

Auto Exposure Automatic Exposure Mode	\x81\x01\x049\x00\xff
Auto Exposure Bright Mode	\x81\x01\x049\x0D\xff
Auto Exposure Iris Priority Mode	\x81\x01\x049\x0B\xff
Auto Exposure Manual Control Mode	\x81\x01\x049\x03\xff
Auto Exposure Shutter Priority Mode	\x81\x01\x049\x0A\xff
Auto Focus Auto	\x81\x01\x048\x02\xff
Auto Focus Manual	\x81\x01\x048\x03\xff
Backlight Mode Off	\x81\x01\x043\x03\xff
Backlight Mode On	\x81\x01\x043\x02\xff
Focus Far Focus Speed 0	\x81\x01\x04\x08 \xff
Focus Far Focus Speed 7	\x81\x01\x04\x08' \xff
Focus Near Focus Speed 0	\x81\x01\x04\x080\xff
Focus Near Focus Speed 7	\x81\x01\x04\x087\xff
Focus Stop Focus Speed 0	\x81\x01\x04\x08\x00\xff
Focus Stop Focus Speed 7	\x81\x01\x04\x08\x00\xff
Gain Down	\x81\x01\x04\x0C\x03\xff
Gain Reset	\x81\x01\x04\x0C\x00\xff
Gain Up	\x81\x01\x04\x0C\x02\xff
IR Receiver Off	\x81\x01\x06\x08\x03\xff
IR Receiver On	\x81\x01\x06\x08\x02\xff
Iris Down	\x81\x01\x04\x0B\x03\xff
Iris Reset	\x81\x01\x04\x0B\x00\xff
Iris Up	\x81\x01\x04\x0B\x02\xff
Pan Tilt Down Left Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\xff
Pan Tilt Down Left Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x01\x02\xff
Pan Tilt Down Left Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\xff
Pan Tilt Down Left Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x01\x02\xff
Pan Tilt Down Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x02\xff
Pan Tilt Down Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x03\x02\xff
Pan Tilt Down Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x02\xff
Pan Tilt Down Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x03\x02\xff
Pan Tilt Down Right Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x02\xff
Pan Tilt Down Right Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x02\x02\xff
Pan Tilt Down Right Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x02\xff
Pan Tilt Down Right Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x02\x02\xff
Pan Tilt Left Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\xff

Global Scriptor Module Communication Sheet

Pan Tilt Left Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x01\x03\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x01\x03\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x01\x03\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x03\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x02\x03\xFF
Pan Tilt Right Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x03\xFF
Pan Tilt Right Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x02\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x03\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x03\x03\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x01\x01\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x01\x01\xFF
Pan Tilt Up Left Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x01\x01\xFF
Pan Tilt Up Left Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x01\x01\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x03\x01\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x03\x01\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x03\x01\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x03\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 1	\x81\x01\x06\x01\x01\x01\x02\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 24	\x81\x01\x06\x01\x01\x18\x02\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 1	\x81\x01\x06\x01\x18\x01\x02\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 24	\x81\x01\x06\x01\x18\x18\x02\x01\xFF
Power Off	\x81\x01\x04\x00\x03\xFF
Power On	\x81\x01\x04\x00\x02\xFF
Recall Preset 1	\x81\x01\x04?\x02\x00\xFF
Recall Preset 16	\x81\x01\x04?\x02\x0F\xFF
Save Preset 1	\x81\x01\x04?\x01\x00\xFF
Save Preset 16	\x81\x01\x04?\x01\x0F\xFF
Shutter Off	\x81\x01\x04\x0A\x03\xFF
Shutter On	\x81\x01\x04\x0A\x02\xFF
Shutter Reset	\x81\x01\x04\x0A\x00\xFF
Zoom Stop Zoom Speed 0	\x81\x01\x04\x07\x00\xFF
Zoom Stop Zoom Speed 7	\x81\x01\x04\x07\x00\xFF
Zoom Tele Zoom Speed 0	\x81\x01\x04\x07 \xFF
Zoom Tele Zoom Speed 7	\x81\x01\x04\x07' \xFF
Zoom Wide Zoom Speed 0	\x81\x01\x04\x070\xFF
Zoom Wide Zoom Speed 7	\x81\x01\x04\x077\xFF

Appendix B. Update Commands (Serial)

Auto Exposure	\x81\x09\x049\xff
Auto Focus	\x81\x09\x048\xff
Backlight Mode	\x81\x09\x043\xff
Power	\x81\x09\x04\x00\xff

Appendix C. Set Commands (Ethernet)

Auto Exposure Automatic Exposure Mode	\x01\x00\x00\x06\x00\x00\x00\x01\x81\x01\x049\x00\xFF
Auto Exposure Bright Mode	\x01\x00\x00\x06\x00\x00\x00\x02\x81\x01\x049\x0D\xFF
Auto Exposure Iris Priority Mode	\x01\x00\x00\x06\x00\x00\x00\x03\x81\x01\x049\x0B\xFF
Auto Exposure Manual Control Mode	\x01\x00\x00\x06\x00\x00\x00\x04\x81\x01\x049\x03\xFF
Auto Exposure Shutter Priority Mode	\x01\x00\x00\x06\x00\x00\x00\x05\x81\x01\x049\x0A\xFF
Auto Focus Auto	\x01\x00\x00\x06\x00\x00\x00\x06\x81\x01\x048\x02\xFF
Auto Focus Manual	\x01\x00\x00\x06\x00\x00\x00\x07\x81\x01\x048\x03\xFF
Backlight Mode Off	\x01\x00\x00\x06\x00\x00\x00\x08\x81\x01\x043\x03\xFF
Backlight Mode On	\x01\x00\x00\x06\x00\x00\x00\x09\x81\x01\x043\x02\xFF
Focus Far Focus Speed 0	\x01\x00\x00\x06\x00\x00\x00\x0A\x81\x01\x04\x08\xFF
Focus Far Focus Speed 7	\x01\x00\x00\x06\x00\x00\x00\x0D\x81\x01\x04\x08'\xFF
Focus Near Focus Speed 0	\x01\x00\x00\x06\x00\x00\x00\x0B\x81\x01\x04\x080\xFF
Focus Near Focus Speed 7	\x01\x00\x00\x06\x00\x00\x00\x0E\x81\x01\x04\x087\xFF
Focus Stop Focus Speed 0	\x01\x00\x00\x06\x00\x00\x00\x0C\x81\x01\x04\x08\x00\xFF
Focus Stop Focus Speed 7	\x01\x00\x00\x06\x00\x00\x00\x0F\x81\x01\x04\x08\x00\xFF
Gain Down	\x01\x00\x00\x06\x00\x00\x00\x10\x81\x01\x04\x0C\x03\xFF
Gain Reset	\x01\x00\x00\x06\x00\x00\x00\x11\x81\x01\x04\x0C\x00\xFF
Gain Up	\x01\x00\x00\x06\x00\x00\x00\x12\x81\x01\x04\x0C\x02\xFF
IR Receiver Off	\x01\x00\x00\x06\x00\x00\x00\x13\x81\x01\x06\x08\x03\xFF
IR Receiver On	\x01\x00\x00\x06\x00\x00\x00\x14\x81\x01\x06\x08\x02\xFF
Iris Down	\x01\x00\x00\x06\x00\x00\x00\x15\x81\x01\x04\x0B\x03\xFF
Iris Reset	\x01\x00\x00\x06\x00\x00\x00\x16\x81\x01\x04\x0B\x00\xFF
Iris Up	\x01\x00\x00\x06\x00\x00\x00\x17\x81\x01\x04\x0B\x02\xFF
Pan Tilt Down Left Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x19\x81\x01\x06\x01\x01\x01\x01\x02\xFF

Global Scriptor Module Communication Sheet

Pan Tilt Down Left Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00"\x81\x01\x06\x01\x01\x18\x01\x02\xFF
Pan Tilt Down Left Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00+\x81\x01\x06\x01\x18\x01\x01\x02\xFF
Pan Tilt Down Left Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x004\x81\x01\x06\x01\x18\x18\x01\x02\xFF
Pan Tilt Down Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x18\x81\x01\x06\x01\x01\x01\x03\x02\xFF
Pan Tilt Down Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00!\x81\x01\x06\x01\x01\x18\x03\x02\xFF
Pan Tilt Down Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00*\x81\x01\x06\x01\x18\x01\x03\x02\xFF
Pan Tilt Down Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x003\x81\x01\x06\x01\x18\x18\x03\x02\xFF
Pan Tilt Down Right Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1A\x81\x01\x06\x01\x01\x01\x02\x02\xFF
Pan Tilt Down Right Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00#\x81\x01\x06\x01\x01\x18\x02\x02\xFF
Pan Tilt Down Right Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00,\x81\x01\x06\x01\x18\x01\x02\x02\xFF
Pan Tilt Down Right Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x005\x81\x01\x06\x01\x18\x18\x02\x02\xFF
Pan Tilt Left Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1B\x81\x01\x06\x01\x01\x01\x01\x03\xFF
Pan Tilt Left Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00\$\x81\x01\x06\x01\x01\x18\x01\x03\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00-\x81\x01\x06\x01\x18\x01\x01\x03\xFF
Pan Tilt Left Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x006\x81\x01\x06\x01\x18\x18\x01\x03\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1C\x81\x01\x06\x01\x01\x01\x02\x03\xFF
Pan Tilt Right Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00%\x81\x01\x06\x01\x01\x18\x02\x03\xFF
Pan Tilt Right Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00.\x81\x01\x06\x01\x18\x01\x02\x03\xFF
Pan Tilt Right Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x007\x81\x01\x06\x01\x18\x18\x02\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1D\x81\x01\x06\x01\x01\x01\x03\x03\xFF
Pan Tilt Stop Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00&\x81\x01\x06\x01\x01\x18\x03\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00/\x81\x01\x06\x01\x18\x01\x03\x03\xFF
Pan Tilt Stop Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x008\x81\x01\x06\x01\x18\x18\x03\x03\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1F\x81\x01\x06\x01\x01\x01\x01\x01\xFF
Pan Tilt Up Left Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00(\x81\x01\x06\x01\x01\x18\x01\x01\xFF

Global Scriptor Module Communication Sheet

Pan Tilt Up Left Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x001\x81\x01\x06\x01\x18\x01\x01\x01\xFF
Pan Tilt Up Left Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00:\x81\x01\x06\x01\x18\x18\x01\x01\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x1E\x81\x01\x06\x01\x01\x01\x03\x01\xFF
Pan Tilt Up Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00'\x81\x01\x06\x01\x01\x18\x03\x01\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x000\x81\x01\x06\x01\x18\x01\x03\x01\xFF
Pan Tilt Up Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x009\x81\x01\x06\x01\x18\x18\x03\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x00\x81\x01\x06\x01\x01\x01\x02\x01\xFF
Pan Tilt Up Right Pan Speed 1 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00)\x81\x01\x06\x01\x01\x18\x02\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 1	\x01\x00\x00\x09\x00\x00\x002\x81\x01\x06\x01\x18\x01\x02\x01\xFF
Pan Tilt Up Right Pan Speed 24 Tilt Speed 24	\x01\x00\x00\x09\x00\x00\x00;\x81\x01\x06\x01\x18\x18\x02\x01\xFF
Power Off	\x01\x00\x00\x06\x00\x00\x00<\x81\x01\x04\x00\x03\xFF
Power On	\x01\x00\x00\x06\x00\x00\x00=\x81\x01\x04\x00\x02\xFF
Recall Preset 1	\x01\x00\x00\x07\x00\x00\x00>\x81\x01\x04?\x02\x00\xFF
Recall Preset 16	\x01\x00\x00\x07\x00\x00\x00?\x81\x01\x04?\x02\x0F\xFF
Save Preset 1	\x01\x00\x00\x07\x00\x00\x00@\x81\x01\x04?\x01\x00\xFF
Save Preset 16	\x01\x00\x00\x07\x00\x00\x00A\x81\x01\x04?\x01\x0F\xFF
Shutter Off	\x01\x00\x00\x06\x00\x00\x00B\x81\x01\x04\x0A\x03\xFF
Shutter On	\x01\x00\x00\x06\x00\x00\x00C\x81\x01\x04\x0A\x02\xFF
Shutter Reset	\x01\x00\x00\x06\x00\x00\x00D\x81\x01\x04\x0A\x00\xFF
Zoom Stop Zoom Speed 0	\x01\x00\x00\x06\x00\x00\x00E\x81\x01\x04\x07\x00\xFF
Zoom Stop Zoom Speed 7	\x01\x00\x00\x06\x00\x00\x00H\x81\x01\x04\x07\x00\xFF
Zoom Tele Zoom Speed 0	\x01\x00\x00\x06\x00\x00\x00F\x81\x01\x04\x07\xFF
Zoom Tele Zoom Speed 7	\x01\x00\x00\x06\x00\x00\x00I\x81\x01\x04\x07'\x0F\xFF
Zoom Wide Zoom Speed 0	\x01\x00\x00\x06\x00\x00\x00G\x81\x01\x04\x070\x0F\xFF
Zoom Wide Zoom Speed 7	\x01\x00\x00\x06\x00\x00\x00J\x81\x01\x04\x077\x0F\xFF

Appendix D. Update Commands (Ethernet)

Auto Exposure	\x01\x10\x00\x05\x00\x00\x00K\x81\x09\x049\xFF
Auto Focus	\x01\x10\x00\x05\x00\x00\x00L\x81\x09\x048\xFF
Backlight Mode	\x01\x10\x00\x05\x00\x00\x00M\x81\x09\x043\xFF
Power	\x01\x10\x00\x05\x00\x00\x00N\x81\x09\x04\x00\xFF