PiVOT

Installation and Cabling

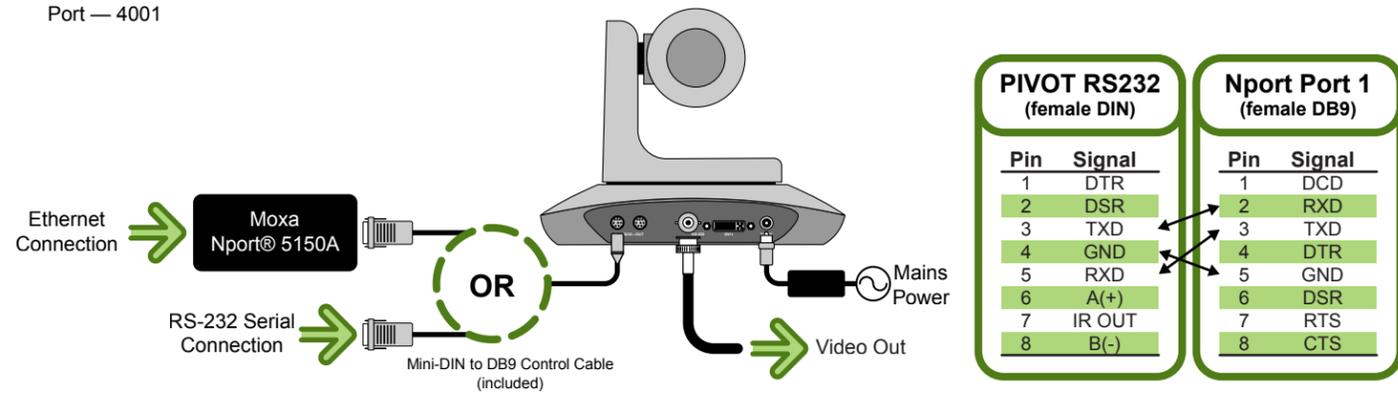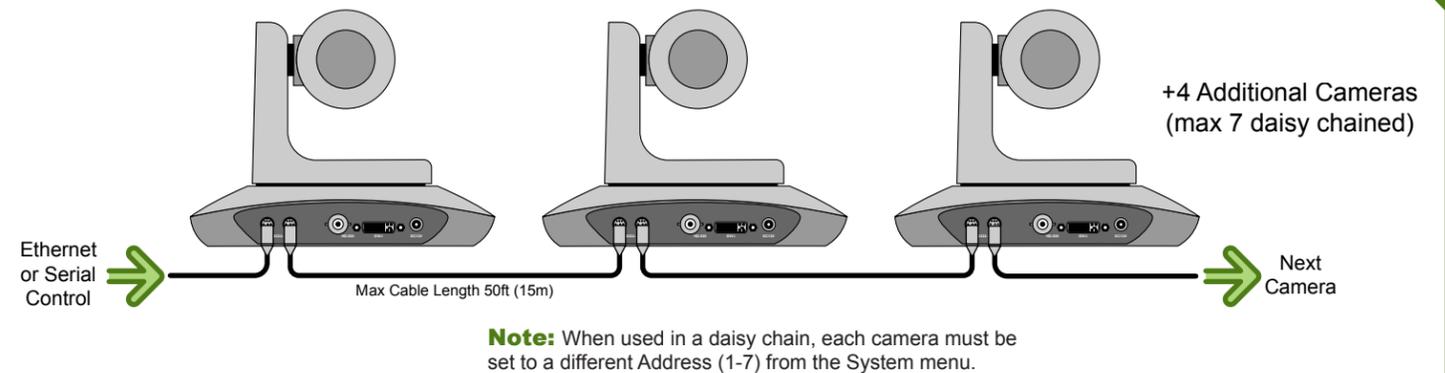## PIVOTCam-20 Video Outputs/Control

Nport® 5150A Default Ethernet Settings
IP Address — 192.168.127.254
Port — 4001

Ethernet Connection

Moxa Nport® 5150A

OR

RS-232 Serial Connection

Mini-DIN to DB9 Control Cable (included)

Video Out

Mains Power

PIVOT RS232 (female DIN)		Nport Port 1 (female DB9)	
Pin	Signal	Pin	Signal
1	DTR	1	DCD
2	DSR	2	RXD
3	TXD	3	TXD
4	GND	4	DTR
5	RXD	5	GND
6	A(+)	6	DSR
7	IR OUT	7	RTS
8	B(-)	8	CTS

PIVOTCam-20 Daisy Chaining

+4 Additional Cameras (max 7 daisy chained)

Ethernet or Serial Control

Max Cable Length 50ft (15m)

Next Camera

Note: When used in a daisy chain, each camera must be set to a different Address (1-7) from the System menu.
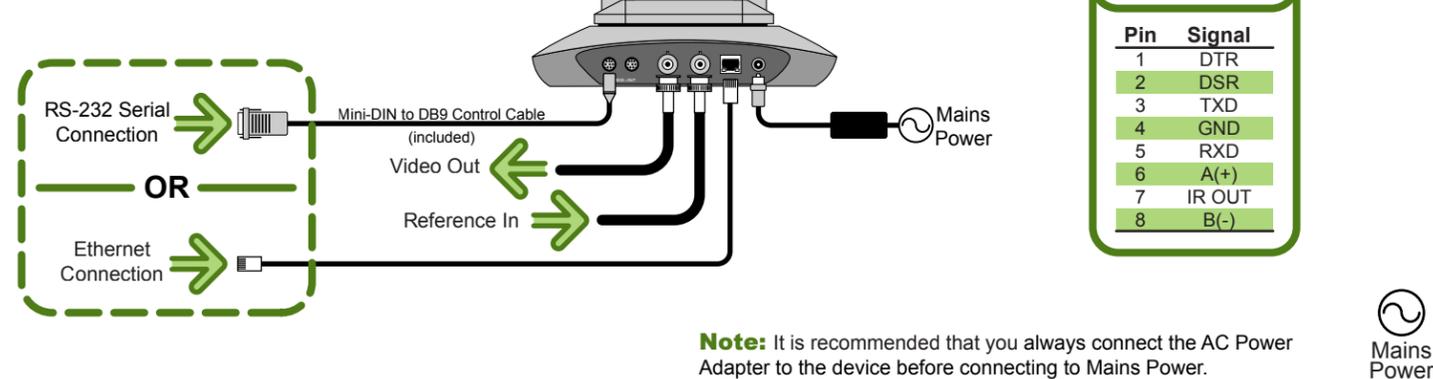
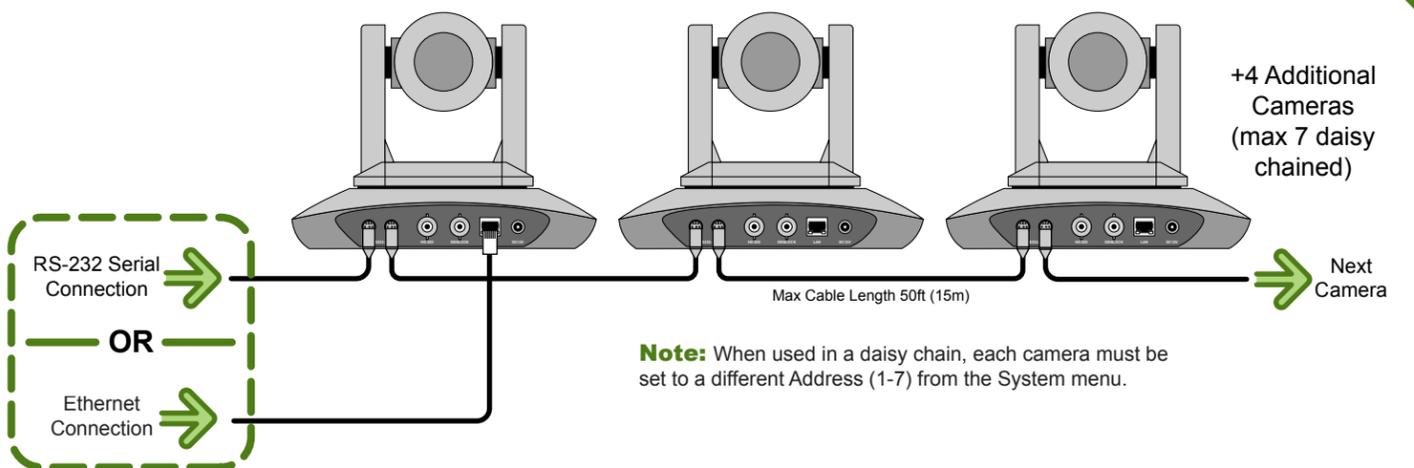## PIVOTCam-SE Video Input/Outputs/Reference/Control

Note: The PIVOTCam-SE accepts PoE (Power over Ethernet) and can be powered either by the ethernet connection or the mains power connection. Both can be connected at the same time.

PIVOTCam-SE Default Ethernet Settings
IP Address — 192.168.1.188
Port — 52381

RS-232 Serial Connection

OR

Ethernet Connection

Mini-DIN to DB9 Control Cable (included)

Video Out

Reference In

Mains Power

PIVOT RS232 (female DIN)	
Pin	Signal
1	DTR
2	DSR
3	TXD
4	GND
5	RXD
6	A(+)
7	IR OUT
8	B(-)

Note: It is recommended that you always connect the AC Power Adapter to the device before connecting to Mains Power.

PIVOTCam-SE Daisy Chaining

+4 Additional Cameras (max 7 daisy chained)

RS-232 Serial Connection

OR

Ethernet Connection

Max Cable Length 50ft (15m)

Next Camera

Mains Power

Note: When used in a daisy chain, each camera must be set to a different Address (1-7) from the System menu.

Moxa Nport® 5150A Setup (PIVOTCam-20 Only)

Refer to the documentation that came with your Nport® 5150A for safety and setup information.

Use the NPort Administrator or web interface to set up the Nport® 5150A as follows:
(The default password is **moxa**)

Operation Mode
Operation Mode — TCP Server Mode
Max Connection — 2 (or more)

Serial Parameters
Baudrate — 9600
Data bits — 8
Stop bits — 1
Parity — None
Flow control — RTS/CTS
FIFO — Enable
Interface — RS-232

Ethernet Parameters
IP Address — default IP is shown on the bottom of the device
Local TCP Port — 4001 (default)

PIVOTCam-20 Setup

Set up the PIVOTCam-20 to communicate with the Moxa Nport® 5150A as follows:
SYSTEM
RS485 — set to OFF
BAUD RATE — set to 9600

PIVOTCam-SE Setup

Set up the PIVOTCam-SE as follows:
SYSTEM (Serial Communication)
RS485 — set to OFF
BAUD RATE — set to 9600
VISCA — OVER COM
SYSTEM (Ethernet Communication)
VISCA — OVER IP

Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

Tel (North America): 1-844-652-0645
Tel (International): +800 1005 0100
Email: techsupport@rossvideo.com

ROSS