1. RS-232 Connection

### RS-232 IN Pins Instructions

<table>
<thead>
<tr>
<th>NO</th>
<th>Pins</th>
<th>Signals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DTR</td>
<td>Data Transmission Request</td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
<td>Data Set Request</td>
</tr>
<tr>
<td>3</td>
<td>TXD</td>
<td>Transmit Data</td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>5</td>
<td>RXD</td>
<td>Receive Data</td>
</tr>
<tr>
<td>7</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>8</td>
<td>OPEN</td>
<td>No Connection</td>
</tr>
</tbody>
</table>

### RS-232 OUT Pins Instructions

<table>
<thead>
<tr>
<th>NO</th>
<th>Pins</th>
<th>Signals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DTR</td>
<td>Data Transmission Request</td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
<td>Data Set Request</td>
</tr>
<tr>
<td>3</td>
<td>TXD</td>
<td>Transmit Data</td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>5</td>
<td>RXD</td>
<td>Receive Data</td>
</tr>
<tr>
<td>7</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>8</td>
<td>OPEN</td>
<td>Reserved</td>
</tr>
</tbody>
</table>

### RS-232 Connection Instructions

#### RS-232 IN of VC
- 1. DTR
- 2. DSR
- 3. TXD
- 4. GND
- 5. RXD
- 6. GND
- 7. IR OUT
- 8. N.C.

#### RS-232 of PC
- 1. CD
- 2. RXD
- 3. TXD
- 4. DTR
- 5. GND
- 6. DSR
- 7. RTS
- 8. CTS
- 9. RI

1. RS-422 Connection

### RS-422 Pins Instructions

<table>
<thead>
<tr>
<th>Pin NO.</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RXD OUT-</td>
</tr>
<tr>
<td>2</td>
<td>RXD OUT+</td>
</tr>
<tr>
<td>3</td>
<td>TXD OUT-</td>
</tr>
<tr>
<td>4</td>
<td>TXD OUT+</td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
</tr>
<tr>
<td>6</td>
<td>RXD IN-</td>
</tr>
<tr>
<td>7</td>
<td>RXD IN+</td>
</tr>
<tr>
<td>8</td>
<td>TXD IN-</td>
</tr>
<tr>
<td>9</td>
<td>TXD IN+</td>
</tr>
</tbody>
</table>

### RS-422 Connection Instructions

#### Applicable to Marshall VS-PTC-200 Camera Controller

- Compact Camera Controller
  - GND
  - RXD IN-
  - RXD IN+
  - TXD IN-
  - TXD IN+

- Camera
  - GND
  -RXD IN-
  - RXD IN+
  - TXD IN-
  - TXD IN+

#### Applicable to SONY Compact Camera Controller

- Compact Camera Controller
  - GND
  - RXD IN-
  - RXD IN+
  - TXD IN-
  - TXD IN+

- Camera
  - GND
  - RXD IN-
  - RXD IN+
  - TXD IN-
  - TXD IN+

### RS-422 Serial Connection

Up to seven cameras can be daisy-chained.

#### Third Camera

- RXD OUT-
- RXD OUT+
- TXD OUT-
- TXD OUT+
- GND
- RXD IN-
- RXD IN+
- TXD IN-
- TXD IN+

#### Second Camera

- RXD OUT-
- RXD OUT+
- TXD OUT-
- TXD OUT+
- GND
- RXD IN-
- RXD IN+
- TXD IN-
- TXD IN+

#### First Camera

- RXD OUT-
- RXD OUT+
- TXD OUT-
- TXD OUT+
- GND
- RXD IN-
- RXD IN+
- TXD IN-
- TXD IN+
Quick Set up

Controller to Camera
GND to #5 on Camera
RXD - to #9 on Camera
RXD + to #8 on Camera
TXD - to #7 on Camera
TXD + to #6 on Camera

Controller Settings
Set up
ADMIN PIN #111111
CAMERA SETTINGS - ENTER
CAM ID #1 - ENTER
PROTOCOL - V - ENTER
BAUD RATE - 96000 - ENTER
ADDRESS - #1 ENTER
It will bring you back to the start
hit ESC - Move Joystick

Camera Settings
Protocol - VISCA
Baud Rate - 9600
Camera ID - #1
Control Port - RS422