RS-232 Serial Connections

RS-232 IN — Pin Assignments

<table>
<thead>
<tr>
<th>NO</th>
<th>Pins</th>
<th>Signal</th>
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<tbody>
<tr>
<td>1</td>
<td>DTR</td>
<td>Data Transmission Read</td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
<td>Data Set Read</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>6</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
<td>7</td>
<td>IR OUT</td>
<td>IR Commander Signal</td>
</tr>
<tr>
<td>8</td>
<td>N.C.</td>
<td>No connection</td>
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RS-232 OUT — Pin Assignments

<table>
<thead>
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<th>NO</th>
<th>Pins</th>
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<tbody>
<tr>
<td>1</td>
<td>DTR</td>
<td>Data Transmission Read</td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
<td>Data Set Read</td>
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<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>
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<tr>
<td>6</td>
<td>GND</td>
<td>Ground</td>
</tr>
<tr>
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<td>Reserved</td>
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<tr>
<td>8</td>
<td>OPEN</td>
<td>Reserved</td>
</tr>
</tbody>
</table>

RS-232 — Connecting Camera to Computer

RS-232 IN (camera) | RS-232 OUT (computer)

1. DTR | 1. CD
2. DSR | 2. RXD
3. TXD | 3. TXD
4. GND | 4. DTR
5. RXD | 5. GND
6. GND | 6. DSR
7. IR OUT | 7. RTS
8. N.C. | 8. CTS
9. N.C. | 9. RI

RS-232 — Cascading Camera Connections (daisy-chaining up to seven cameras)

RS-232 IN (next camera) | RS-232 OUT (previous camera)

First Camera

1. DTR | 1. DTR
2. DSR | 2. DSR
3. TXD | 3. TXD
4. GND | 4. GND
5. RXD | 5. RXD
6. GND | 6. GND
7. IR OUT | 7. OPEN
8. N.C. | 8. OPEN

Second Camera

1. RXD OUT - | RXD OUT -
2. RXD OUT + | RXD OUT +
3. TDX OUT - | TDX OUT -
4. TDX OUT + | TDX OUT +
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

Third Camera

1. RXD OUT - | RXD OUT -
2. RXD OUT + | RXD OUT +
3. TDX OUT - | TDX OUT -
4. TDX OUT + | TDX OUT +
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

Camera Controller

1. N.C. | N.C.
2. N.C. | N.C.
3. N.C. | N.C.
4. N.C. | N.C.
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

RS-422 Serial Connections

RS-422 Connector — Pin Assignments

<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
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<tbody>
<tr>
<td>1</td>
<td>RXD OUT -</td>
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<tr>
<td>2</td>
<td>RXD OUT +</td>
</tr>
<tr>
<td>3</td>
<td>TDX OUT -</td>
</tr>
<tr>
<td>4</td>
<td>TDX 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>TDX IN -</td>
</tr>
<tr>
<td>9</td>
<td>TDX IN +</td>
</tr>
</tbody>
</table>

RS-422 — Cascading Camera Connections (daisy-chaining up to seven cameras)

First Camera

1. RXD OUT - | RXD OUT -
2. RXD OUT + | RXD OUT +
3. TDX OUT - | TDX OUT -
4. TDX OUT + | TDX OUT +
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

Second Camera

1. RXD OUT - | RXD OUT -
2. RXD OUT + | RXD OUT +
3. TDX OUT - | TDX OUT -
4. TDX OUT + | TDX OUT +
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

Third Camera

1. RXD OUT - | RXD OUT -
2. RXD OUT + | RXD OUT +
3. TDX OUT - | TDX OUT -
4. TDX OUT + | TDX OUT +
5. GND | GND
6. RXD IN - | RXD IN -
7. RXD IN + | RXD IN +
8. TDX IN - | TDX IN -
9. TDX IN + | TDX IN +

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