### Mini-DIN8 to Tally (Mini-DIN8) + RS232 (DB9) Breakout

#### Mini-DIN8 Male (PTZ + TALLY)

<table>
<thead>
<tr>
<th>Pin</th>
<th>Signal</th>
<th>Description</th>
<th>Pin</th>
<th>Signal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>RXD</td>
<td>Receive Data (INPUT)</td>
<td>2</td>
<td>RXD</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>TXD</td>
<td>Transmit Data (OUTPUT)</td>
<td>3</td>
<td>TXD</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>DTR</td>
<td>Data Terminal Ready (OUTPUT)</td>
<td>4</td>
<td>DTR</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
<td>Data Set Ready (INPUT)</td>
<td>6</td>
<td>DSR</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
<td>Ground</td>
<td>5</td>
<td>GND</td>
<td></td>
</tr>
</tbody>
</table>
| 7   | GPIO1/Tally | Purpose 1: Magewell Tally Light¹ 
Purpose 2: User customized Tally Preview output; Drive Current: 20 ~ 30 mA | 7   | GPIO1  |            |
| 6   | GPIO2/Matrix | Purpose 1: Magewell 8x32 LED Matrix Display² 
Purpose 2: User customized Tally Program output; Drive Current: 20 ~ 30 mA | 6   | GPIO2  |            |
| 8   | PWR    | Voltage: 5V 
Max load current: 100mA | 8   | VCC    |            |

1. Magewell Tally Light: 
2. Magewell 8x32 LED Matrix Display:

#### RS232(DB9) (PTZ)

Pin 1/7/8/9: N.C.

#### DIN8 Female (TALLY)

Pin 1/2/3/5: N.C.

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¹: Purpose 1: Magewell Tally Light
²: Purpose 1: Magewell 8x32 LED Matrix Display