Remote Monitoring - Simplified!

I/O Solutions for FLIR® FC-Series R Thermal Cameras

- For one or multiple Cameras
- Critical Vessel Monitoring
- Condition Monitoring
- Process Monitoring
- Early Fire Detection
# Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>MIO-FCR-1</th>
<th>MIO-FCR-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Cameras Supported</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Ethernet Connection</td>
<td></td>
<td>100Base-T</td>
</tr>
<tr>
<td>Communication Protocol</td>
<td></td>
<td>Modbus TCP/IP</td>
</tr>
<tr>
<td>4-20mA Transmitter Channels</td>
<td>2 CH, Group Isolated, Self Powered</td>
<td>8 CH, Group Isolated, Self Powered</td>
</tr>
<tr>
<td>Digital Output Channels</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Digital Output Current</td>
<td>0.5A Per Channel, 1.5A All Channels</td>
<td></td>
</tr>
<tr>
<td>Digital Output Voltage</td>
<td></td>
<td>10-30VDC</td>
</tr>
<tr>
<td>Power Supply Voltage</td>
<td></td>
<td>24VDC</td>
</tr>
<tr>
<td>Maximum Power Consumption</td>
<td>3W</td>
<td>7W</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>7.7 x 3.6 x 1.6 in (145 x 90 x 40 mm)</td>
<td>8.8 x 3.9 x 1.2 in (223 x 99 x 31 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.5 lbs (0.23 kg)</td>
<td>0.7 lbs (0.32 kg)</td>
</tr>
<tr>
<td>Enclosure Material</td>
<td>ABS</td>
<td>Anodized Aluminum</td>
</tr>
</tbody>
</table>

## Minimal Setup Example

![Minimal Setup Example](image1.png)

**Example 1:** Basic Thermal Monitoring with alarms using the MIO-FCR-1.

## Multi Camera Setup Example with FLIR® NVR

![Multi Camera Setup Example](image2.png)

**Example 2:** Advanced Multi-camera Thermal Monitoring with alarms, automated notification, datalogging, PLC connectivity and real-time video archiving using the MIO-FCR-7.

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