**IR IMAGING OPTICAL ASSEMBLY**

 **QUESTIONNAIRE**

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| **PARAMETER** | **VALUE** | **NOTES** |
| **Main** | **Sub** |

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| --- |
| **OPTICAL** |
| **Focal Length / Magnification:** |  mm |  |
| **Wavelength:** | ❑ SWIR ❑ MWIR | ❑ LWIR ❑ QWIP ❑ VLWIR |
| **Type:**  | ❑ Mono Focal / ❑ Dual FOV / ❑ Triple FOV / ❑Continuous zoom / ❑ OtherIf “other” – please specify:  |
| **Detector (FPA) Type / Size, Pixel Size/Pitch** | ❑ Uncooled / ❑ CooledFPA dimensions: mm width x mm height Pixel/Pitch: |
| **Zoom Ratio:**  | Zoom Ratio:  |
| **Aperture** (F#): |  |  |
|  **Application?**  |  |
| **Average Transmission:** |  % | Specify front element coating: ❑ HD / ❑ DLC |
| **FOV** (degrees): |  | Not needed if Focal length and Detector (FPA) size is defined above. |
| **Optical Total Lens Track:** |  mm |  |
| **Optical Back Focal Length:** |  mm |  |
| **Any Specific Performance Requirements? Please describe:** |  |
| **MECHANICAL** |
| **General Construction:** | ❑ Simple - Straight / ❑ Folded / ❑ OtherIf “other” – please specify:  |
| **Mechanical Back Focal Length:** |  mm |  |
| **Focus Mechanism:** | ❑ Motorized / ❑ Manual |  |
|  **Zoom Mechanism:** | ❑ Motorized / ❑ Manual |  |
| **Focus Range:** | From m – m |  |
| **Total Weight:** |  gram |  |
| **External Dimensions:** | Max Diameter: mm; Length: mm (A drawing is appreciated) |
| **Mount / Mechanical Interface:** |  |
| **ELECTRICAL** |
| **Power Input:** |  VDC / mA |  |
| **Communication Protocol:** | ❑ RS-422 / ❑ RS- 232 | Baud rate:  |
| **ENVIRONMENTAL** |
| **Operating Temperature:** | - ºC to + ºC |  |
| **Storage Temperature:** | - ºC to + ºC |  |
| **Shock and Vibrations:** | Please specify:  |

|  |  |
| --- | --- |
| **Customer Name/Organization** |  |
| **Customer Email/Tel #:** |  |