

FUSION FLEX-EYE MULTISPECTRAL CAMERA CONFIGURATION SHEET

With JAI's unique Flex-Eye technology you can create the perfect multispectral camera to meet your application requirements. Flex-Eye lets you leverage JAI's versatile multispectral prism technology to choose the number of wavebands, the sensor resolution, and the exact spectral range of each channel.

Please complete the following list of questions. Exact information will accelerate the processing of this document. This submission undergoes a feasibility check to make sure that the configuration can be supported by JAI's current offering of dichroic prisms and filters. If your specification is feasible, you will get a custom datasheet within 2 weeks.

1) How many wavebands (sensors) do you need?

Note: a Bayer sensor spanning the full visible spectrum is considered one waveband, though it can be divided into its three component wavebands (R,G,B) during post-processing.

2 wavebands
3 wavebands
I need more than 3 wavebands

2) What resolution do you require?

Flex-Eye cameras provide full sensor resolution to each waveband. Choose the sensor resolution that meets the needs of your application.

1.6 megapixels per waveband (sensor)
3.2 megapixels per waveband (sensor)
I need more than 3.2 megapixels

Note: The interactive quick information – when you wave over ⓘ – will only show up when you open the file with a PDF reader.

3) Set wavebands

Enter your figures for your spectral wavebands.

Each waveband must be a minimum of 25 nm wide. Minimum increments are 5 nm. You may choose to specify a Bayer sensor for the visible spectrum, however this is only recommended when the defined waveband spans multiple colour regions (RG, GB, or RGB).

The Flex-Eye process will attempt to match requested peak values but cannot guarantee this due to sensor and filter characteristics.

Waveband 1:

low nm peak nm and max nm
(example 405 - 680 nm, peak: 542 nm)
Sensor type: monochrome or colour

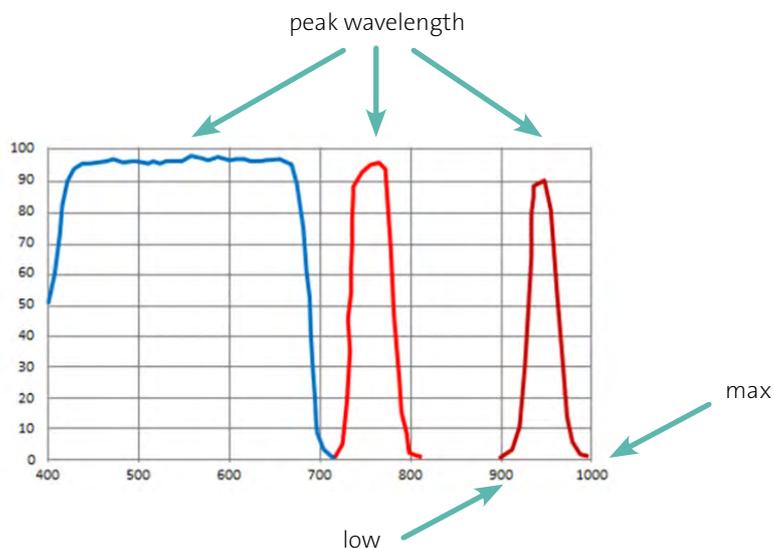
Waveband 2

low nm peak nm max nm
Sensor type: monochrome or colour

Waveband 3

low nm peak nm max nm
Sensor type: monochrome or colour

Example configuration



Quantity needed (rough estimate for the lifetime of your project)

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Comments and brief description of your application

Company Customer number

Department Technical contact for queries

Street / P.O. Box Phone

ZIP / City Email

Please provide this PDF document to your sales contact at STEMMER IMAGING:

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