

Camera model frame rate calculator

The screenshot shows a web browser window displaying the Ximea camera model frame rate calculator. The browser address bar shows the URL: <https://www.ximea.com/support/wiki/allprod/Industri...>. The page title is "Camera model frame rate calculator".

The calculator interface is divided into two main sections: "Inputs" and "Outputs".

Inputs Section:

- Shutter type:** GLOBAL
- Sensor bit depth:** 8 (selected), 10, 12
- Downsampling:** Full resolution 1x1
- ROI width:** 2064 (selected), range 8 - 2064 pix
- ROI height:** 1544 (selected), range 4 - 1544 pix
- Exposure time:** 0.020157 (selected), range 0.001 - 30000 ms
- Output bit depth with bit-packing enabled:** 8 (selected), 10, 12, 16
- Bandwidth limit:** 3040 (selected), range 96 - 3200 Mbit/s

Outputs Section:

- Shutter type:** Global
- Sensor model:** Sony-IMX252
- Pixel count:** 3.187 MPix
- Image frame size:** 3.186 MB
- Average transfer speed:** 370.8 MB/s = 2966 Mbit/s
- Maximum FPS:** 116.4 frames/s
- Read-out time:** 8.592 ms
- Sensor line period:** 5.431 μ s