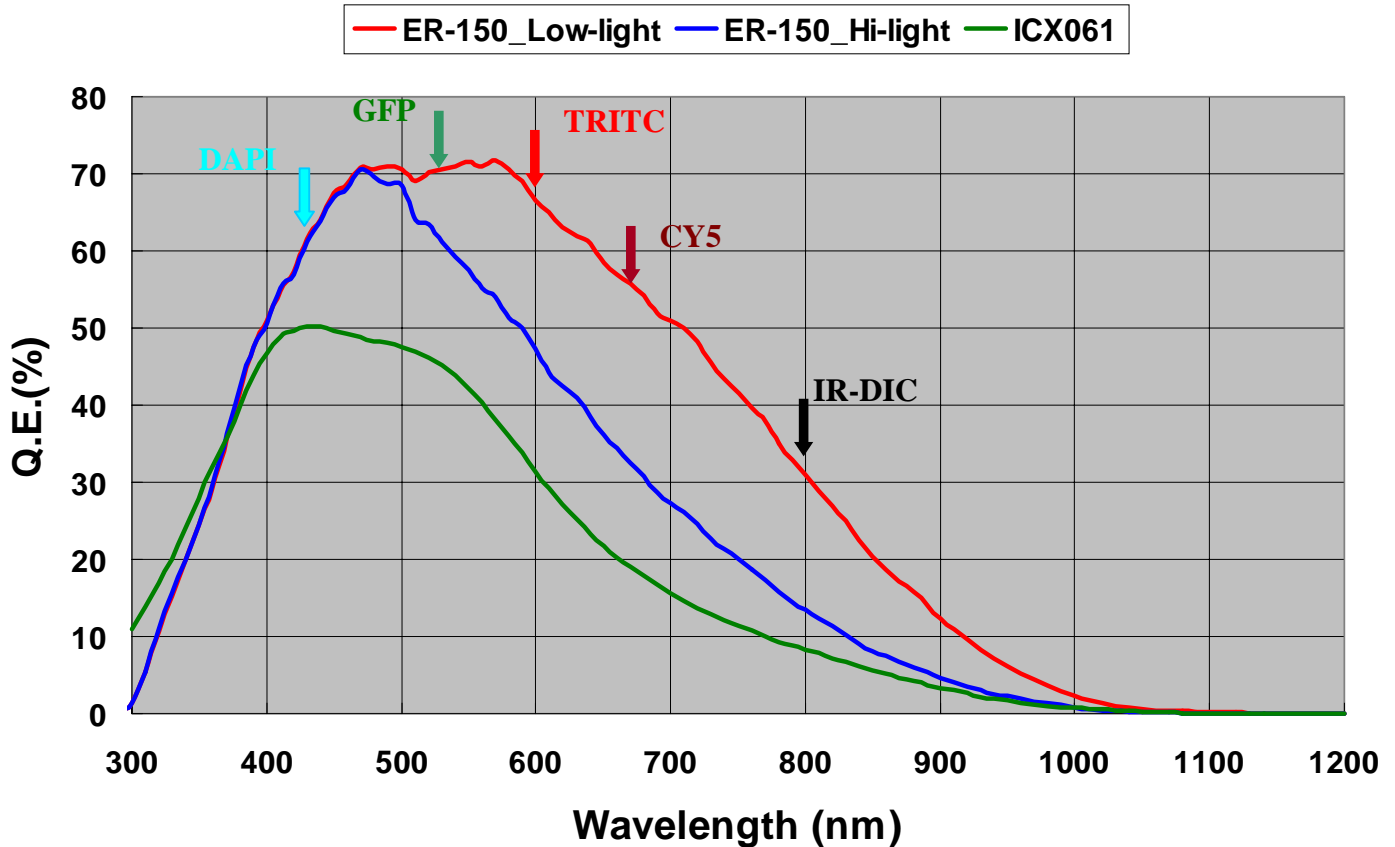


ORCA-ER Spectral Response Curves

showing Variable Illumination Feature vs. ORCA 100



Note: The ORCA ER uses the ER 150 chip
The ORCA 100 uses the ICX061 chip

The ORCA-ER includes the Variable Illumination Feature to utilize the camera's high performance more effectively and cover a wide range of incident light levels. With the low light mode, the ORCA-ER achieves a QE as high as 70% to detect faint light, while the high light mode offers the convenience of an anti-blooming function. Linearity is maintained in either mode.

Low Light Mode

- The camera operates in a manner to minimize exposure time with the highest QE.
- Anti-blooming function is OFF so precautions about saturating the camera are needed.
- Background subtraction is suggested for this mode.

High Light Mode

- The camera is operated with anti-blooming function ON.

HAMAMATSU