



CCLRC

Rutherford Appleton Laboratory

CMOS Image Sensors Technology

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CMOS Image Sensor Technology

Foundry A: 0.35 μm ; low dark current; stitching; (tape-out 1.6 Mpixel now);

5.5 and 15 μm epi available

0.18 μm in future ?

Foundry B: 0.18 μm CIS with pinned photodiode; stitching

5 μm epi. Outsourcing for large quantities

0.13 in development; production starts next year

Foundry D: 0.18 μm CIS; twin-, triple-well; pinned photodiode; stitching (?)

x μm epi.
