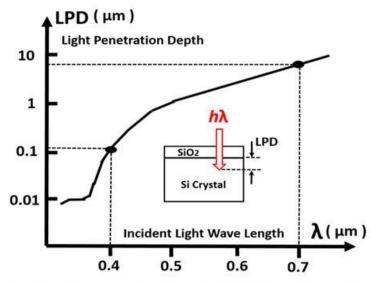
Super Light Sensitivity Feature

http://www.aiplab.com/ Yoshiaki Hagiwara





05

Slide 05

The figure 1 shows Light Penetration Depth (LPD) in Silicon Crystal.

As you can see,

the short wave blue light cannot penetrate more than 0.1 micro meter into the silicon crystal.

To achieve the super light sensitive image sensor we must convert the short wave light energy into the electrical energy.