Transitioning from CCD to CMOS

The ON Semi sensor discontinuation and your vision system. Let us help you find the right replacement camera for your vision system.
Even though the market has been slowly transitioning from CCD to CMOS, the ON Semi CCD sensor discontinuation caught a lot of us off-guard.

We understand the impact that this will have on your vision system. Allied Vision is committed to helping you find the right camera-sensor to mitigate the impact of this change.
Due to the unique KAI CCD sensor specifications it may be difficult to find a direct 1-to-1 replacement. Allied Vision has a wide range of CMOS-based alternatives in our camera portfolio.

Although these models might differ in specifications like resolution, optical format, pixel size, or frame rate, our sales and support engineers will help you find the best solution.

On a positive note, CMOS sensors will have long-term availability.
Let's have a look at a new CMOS sensor compared with a CCD sensor.

The Sony IMX342 (CMOS) offers several advantages over the ON Semi KAI-29050 (CCD) including higher quantum efficiency, dynamic range, and spatial resolution which results in outstanding image performance.
Choosing the right camera/sensor combination to replace your current CCD-based system will have challenges but we are here to help.

As your trusted advisor we will focus on what counts … you and your vision system.

Contact Us Now