

Description

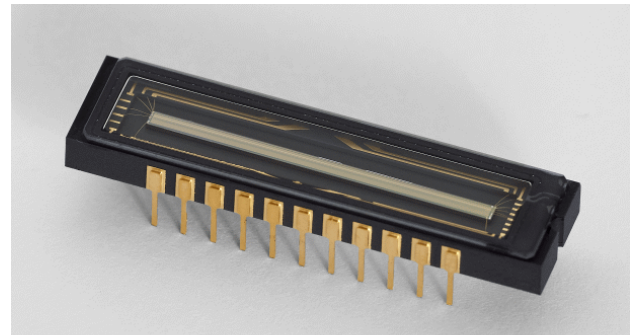
ITR-703 is a high performance CMOS linear image sensor with 2048 pixels and a global shutter. The ITR-703 can be used as a socket-compatible replacement for the Sony ILX703A CCD linear sensor. Advanced CMOS technology is used to emulate the signal level scheme of the ILX703A ensuring both signal level and pin compatibility. In comparison with sensors based on CCD technology, the ITR-703 offers better or equal performance. The ITR-703 requires a single 5V power supply.

Features

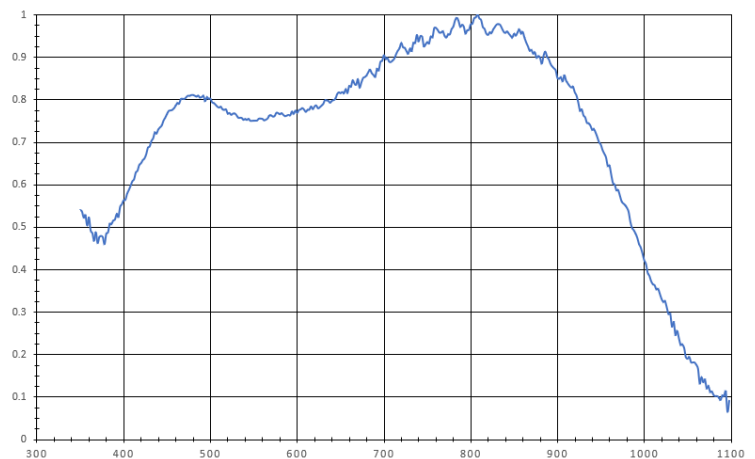
- CMOS image sensor to replace former CCD
- 2048 active pixels aligned as in the former CCD
- 14µm x 14µm pixels for optical compatibility
- Global shutter function
- Single 5 volt supply - no higher voltages needed
- Emulates signals used with the former CCD
- Output signal compatible with existing readout circuits
- Supports clock rates up to 2 MHz
- Available with temporary window for UV applications
- Ceramic package and gold-plated pins
- High red and near-infrared response with low ripple

Pinout Configuration

The pinout on the ITR-703 is identical to that of the ILX703A except that pins used for high-voltage supplies are not connected. This permits use of existing power circuits.



ITR-703-SW



Relative Quantum Efficiency

