

AUTOMOTIVE CAMERA MODULES



Entron Inc

- Based in Santa Clara, CA
- Vast portfolio of ON Semiconductor based camera modules
 - 1 MP to 8 MP
- Outstanding field of view selection from 30° to 210°
- GMSL2 (Maxim) interfaces available

AUTOMOTIVE SOLUTIONS

Gold Standard in High Dynamic Range Imaging

ON makes up **62%** of Automotive Image Sensor Market!



CHIP ON BOARD MODULE SOLUTIONS

New Module Family from ON Semiconductor!

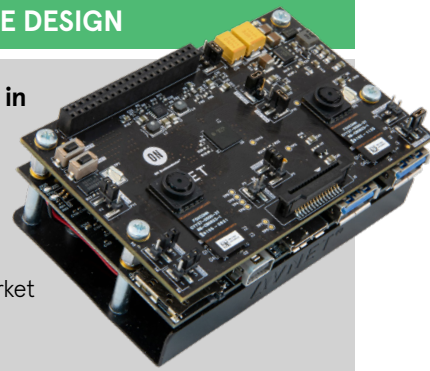
- Modules share a universal pinout
- IAS – Imager Access System – managed by ON and implemented by Avnet
- First module – 1 MP global shutter camera
 - Available July 2020
- Coming soon – 13 MP (4K) RGB auto-focus camera
 - Available August 2020

ULTRA96 REFERENCE DESIGN

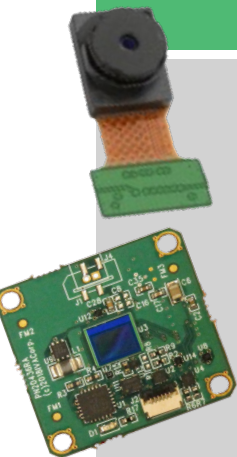
Xilinx Drivers available in Q3 2020

Access Xilinx’s Machine Vision Analytics Library™

Reduce engineering efforts, faster time to market



CUSTOM MODULE SOLUTIONS



Lens

Image Sensor

Image Processing

Output Interface

Camera boards, CoB cameras, and turn-key solutions

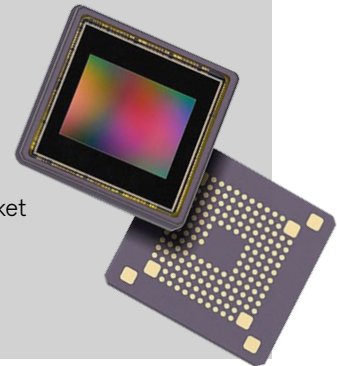
Processing, design, manufacturing – many partners to solve your image sensing project needs!

Broad portfolio of partners enables a wide offering for all applications

HIGH PERFORMANCE IMAGE SENSORS

ON Semiconductor’s XGS Product Line

- Shared sensor architecture
 - Scalable family
- Resolutions from 2 MP to 45 MP
- Multiple speed grade options
- Best power efficiency in high performance global shutter market
- All resolutions support 29x29 mm² camera design



Powered by:



ON Semiconductor®

Questions? Contact Avnet’s Image Sensor Specialist

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