INDUSTRIAL COMPUTER VISION

Ricardo Ribalda, PhD
Product Engineering Leader
Custom-designed computer vision systems are being applied to specific manufacturing tasks. Current development may lead to general-purpose systems for a broad range of industrial applications.

Gerald J. Agin, 1980
Stanford Research Institute

NATURE LIKES DIVERSITY
LET’S COUNT SOME POTATOES
HOW IT IS DONE?
LOTS OF NEURAL NETWORKS AND 3D
GENERIC VISION PLATFORM
2012-2018

- User Application
- Open Source APIs
- Mentor Embedded Linux
- Video4Linux2
- OpenCL
- HEAD sensor
- LVDS
- Front End
- PCIe
- BODY
- AMD APU
- 2012
- 2018
GENERIC VISION PLATFORM

BATCH ANALYZER

CHECKWEIGHER

SPECTRAL CAMERA
See in Action at
AMD Booth #1-360
Qtec.com

FUTURE