



# ECS SMART FLEX™

THE POWER OF PIXELS

## WHAT CAN ECS SMART FLEX DO?

**4X+ MORE PIXELS**

Breakthrough the Gigabit Resolution Barrier



Combine multiple camera standards into one platform



Backwards compatible to existing Gb Ethernet backbones



Off-the-shelf hardware

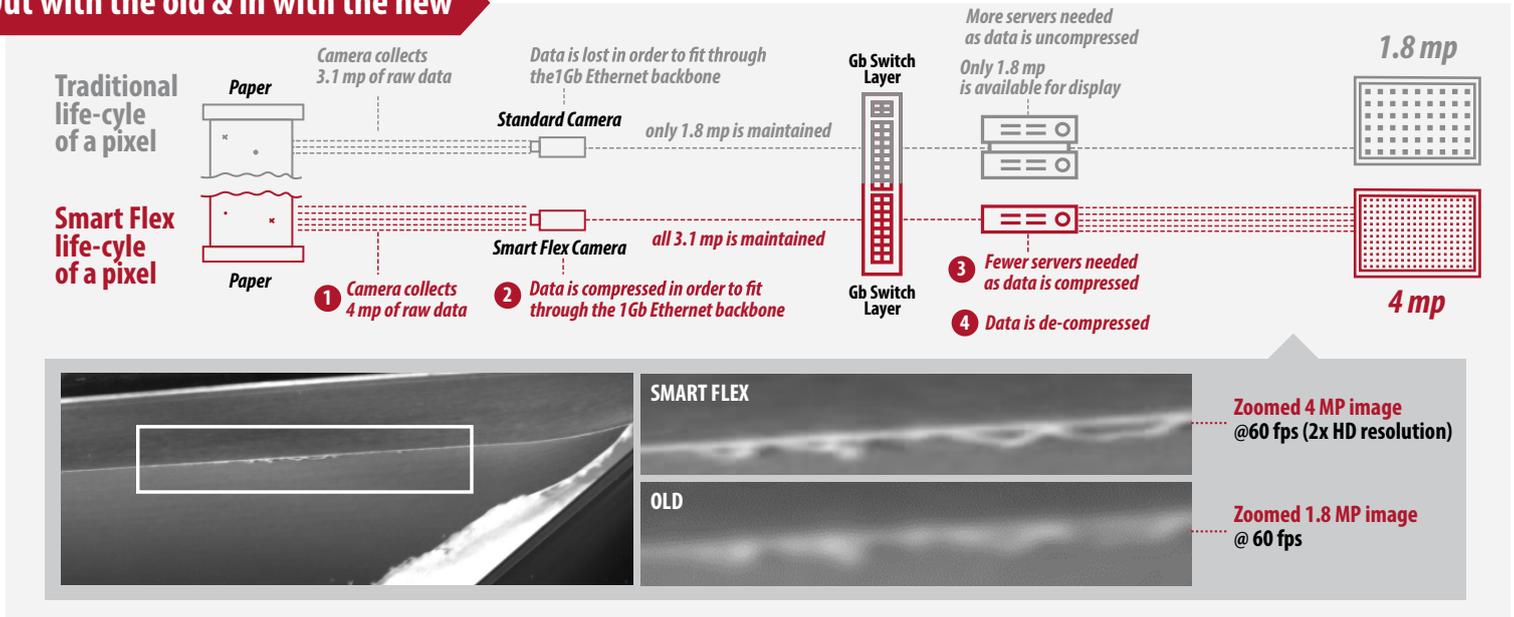
Standard GigE cameras at 60 FPS lose resolution data on the way to the monitor because a 1 Gb Ethernet backbone can only channel a maximum of 1.8 million pixels at 60 FPS. Smart cameras compress the image at the camera, while standard GigE Hardware cannot.

- ▶ Smart Flex cameras maintain every pixel captured by compressing data before it enters the 1Gb backbone--ensuring that all the pixels make it to your monitors
- ▶ Smart Flex allows you to review data in extreme resolution with an innovative operator interface, designed to help operators see faster and better than ever
- ▶ Remove all resolution barriers with Smart Flex without having to update your current infrastructure

- ▶ ECS Smart Flex uses solid state hardware (FPGA) at the camera to compress before sending the data through the backbone
- ▶ Current off-the-shelf models can process up to 8 million pixels at 60 FPS and pixel count continues to increase with new technologies
- ▶ Use ECS Smart Flex cameras in your current infrastructure alongside your old ones. You can plug any camera standard into one platform

Gb: Gigabit = 1 billion bits. Used to measure the rate at which data is transferred.  
MP: Megapixel = 1 million pixels per inch. More Megapixels means higher resolution.

### Out with the old & in with the new



### How many pixels do I need and what is the resulting computer processing power required?

ECS Smart Flex is a scalable solution. Any ECS Smart Flex server computer can process a user defined combination of camera types. This puts the power of pixels into the choice of the user. The less pixels or frame rate required – the more cameras that can be processed on a single server.



Process Monitoring



Event Capture



Web Inspection



Roll Intelligence Mapping



Wireless Solutions



Service & Support



We are a software company that designs, builds and installs camera based quality controls systems to increase process OEE (overall equipment efficiency). Event Capture Systems, Inc. is the leading manufacturer of video event capture software solutions for the paper, packaging and related converting industries.

www.ecsuptime.com | 704.625.8812 | info@ecsuptime.com | 4700 Lebanon Rd., Suite C, Mint Hill, NC 28227