

# G6 Upgrade for Optyx® and Tegra®

## *Empowering the Future of Sorting*

*From the company that delivered five generations of the best sorters in the world comes a new way to keep your sorters at their peak performance with the latest cutting-edge technology: G6.*

*As the newest generation of electro-optical technology, G6 dramatically extends the life of your sorting investment. As new developments become available, G6 allows you to upgrade applicable modules; not replace the whole sorter, and ensures maximum long-term ROI.*



**Tegra**  
G6

### **G6 is:**

- The electro-optical foundation for all Key® sorters
- The eye/brain replacement for prior technology
- Powerful
- Modular
- Easy to operate
- Self-aware
- Uniquely upgradeable

### **G6 Features**

#### **Acute Vision**

Advanced color, mono and Vis/IR cameras capture up to 8,000 scans per second, providing new capabilities for dimensional gauging and detection of small defects. Camera Link™ ensures image signal fidelity.

#### **Upgradeable Brainpower**

The G6 image processor, with Key's own 3,000,000-gate chipset technology, is the brains of the system. Because it's field-programmable, it allows upgrades without module replacement.

#### **Room for More**

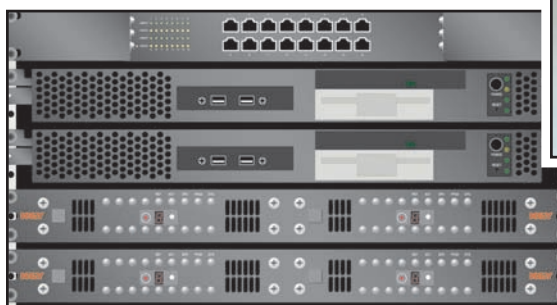
The G6 Digital Signal Processing CPU is designed with substantial processor overhead to carry out image processing instructions. It uses Pentium® muscle and FireWire® connectivity to ensure secure, scalable performance gains for years to come.

#### **Reliable Uptime**

Sophisticated and "self-aware," G6 sorters pack real-time and on-demand diagnostics for fast, specific fault isolation. You avoid costly downtime.

#### **Connectivity**

Operate at the machine, your desktop, or the other side of the world—G6 has the most "virtual" graphical user interface available, with an intelligent, easy-to-use operating system and application software in charge.



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## G6 Advantages

- Extends the life of the sorter
- Maximizes long-term ROI
- Far less costly than replacing the sorter
- Vision system can be upgraded as needed
- Advanced Camera Link™ cameras
- Much faster computer
- Field-programmable image processor
- Real-time diagnostics
- User friendly interface
- Common operating system on all platforms

## G6 Upgrade Includes:

- Camera Link™ cameras
- User interface computer
- Digital signal processing computer
- Image processing modules
- Ejector controller modules
- Ejector drivers
- Interface software



**Optyx**  
G6

