



**Upstate Technical Equipment** works with some of the leading imaging software development vendors in the world helping us provide you with the best possible industrial or scientific imaging solution possible. Any of these products can be used standalone with our other components or customized and fully integrated by us. So whether you are developing a complete machine vision system, performing desktop imaging analysis or capturing high speed images we have the right software product. Also if your application requires a custom software solution we can provide development services to meet your needs. We use only commercially available software tools which will protect your investment over time.

**MATROX IMAGING** - a leading designer of PC-based hardware and software for machine vision, image analysis, medical imaging and video surveillance. Products include frame grabbers, vision processors, imaging platforms, smart cameras and development software.

### **Matrox Imaging Library (MIL) | [PDF Brochure](#)**

Matrox Imaging Library (MIL) is a comprehensive collection of software tools for developing industrial imaging applications. The toolkit features interactive software and programming functions for image capture, processing, analysis, annotation, display and archiving. These tools are designed to enhance productivity, thereby reducing the time and effort required to bring your solution to market.

**NORPIX** - High speed, High resolution, Multiple simultaneous camera acquisition, GPS/IO/IRIG data recording and much more.

### **STREAMPIX 8 |**

Record live un-compressed or compressed video directly to your PC's RAM or hard disk drive in real time. Create movie clips in AVI or other file formats such as bmp, tiff, multi-tiff, mpeg or jpeg format. StreamPix guarantees no image drops when acquiring a video sequence.

### **StreamTouch** |

Video Recording with either [touch screen](#) or mouse use. Easy to use GUI. Ideal for multiple camera acquisition. Factory floor troubleshooting. Web break monitoring systems for your production line. High speed recording.

### **TROUBLEPIX |**

Single camera software and hardware solution for event capture, monitoring and troubleshooting your production line.

**CUSTOM SOFTWARE DEVELOPEMENT** - Application specific software services at reasonable cost.

### **MIL API** | [PDF Brochure](#)

We typically develop using the Matrox MIL imaging library for image processing, machine vision and measurement functions. Our applications have been used in quality control as well as production environments. We can also design a custom user interface and provide outputs to control computers or other hardware. We can provide results in database or spreadsheet formats as well as graphic representations of data.

### **Matrox Design Assistant** | [Contact us for details](#)

We can quickly develop applications using a smart camera without the need for conventional programming or a PC. The smart camera will acquire the images and report the results while sending output signals to a robot, PLC or accross a network.

### **Matrox Capture Software** | [Contact us for details](#)

We can supply inexpensive image capture software to use with your digital or analog Matrox frame grabber as well as GigE or Firewire cameras. We can customize the user interface to meet your specific needs and provide acquisition from multiple cameras.

### **Subroutines and DLL's** | [\*Contact us for details\*](#)

If you need to outsource a portion of your software development, we can provide subprogramming services. You can specify the subroutine or DLL that is required and we will write a module that can be called from your main program. Our expertise is in the areas of image capture, measurement, image processing and databasing. Development can be done using C++, C#, Visual Basic or any Microsoft development tools.