The Matrox® Iris GTR is a family of compact industrial smart cameras. When ordered with the optional Design Assistant software, it becomes a powerful productive solution for automated inspection and robot guidance. Or, the camera is available with the 64-bit Microsoft Windows or Linux operating system, ready for your own custom software app.

This camera model has a 5 MP (2592 x 2048 pixel) resolution monochrome sensor. The dual-core Celeron CPU has 2 GB of memory and 32 GB of eMMC storage.

The Iris GTR hardware integrates all the features needed by typical machine vision installations.

- Compact IP67 design for wet, dirty environments
> Four opto-coupled inputs with support for an incremental rotary encoder
> Three outputs
> Support for liquid lens focusing and light intensity control
> Gigabit Ethernet interface with optional PLC and robot protocols
> Connect a touchscreen monitor via VGA and USB ports for a cost-effective HMI
> Connect an Ethernet thin-client for a remote HMI

Optional Design Assistant ("DA") software enables you to quickly configure both the inspection tasks and operator interface screens. Inspection tasks are built using an intuitive flowchart -- No programming is required. There is a large pallet of tools for analyzing, locating, measuring, reading and verifying image features.

DA also lets you create web-based operator interface panels. Simply connect a VGA monitor to view your panels. Connect a touchscreen via the USB port provided. Or, view your panels from a web browser on a remote thin-client or mobile device.

Machine Vision Store can help you get started with DA. Matrox offers more comprehensive resources, including both online and on-site training, as well as phone and email support.