

## MATROX IRIS GTX SMART CAMERA

GTX12000

Iris GTX smart camera, monochrome, 4096x3072,  
XGS12000, 4GB

- **High-Performance Processing:** Powered by an Intel Atom x6000 series processor, supporting fast, high-resolution image capture with deep learning capabilities for complex visual inspections
- **Rugged Industrial Design:** Compact, IP67-rated housing and robust M12 connectors make it suitable for demanding environments with dust, moisture, and extreme conditions
- **Integrated Autofocus and Lighting Control:** Features a Corning Varioptic auto-focus lens and LED lighting intensity control, allowing software-based adjustments to streamline setup and maintenance
- **Comprehensive Connectivity:** Equipped with Gigabit Ethernet, USB ports, VGA output, and real-time digital I/Os for seamless integration within automation systems
- **User-Friendly Vision Software:** Aurora Design Assistant provides a flowchart-based interface, enabling fast application development without coding for efficient machine vision deployment



### PRODUCT DESCRIPTION

### TECHNICAL DATA

|                |  |
|----------------|--|
| Approvals      | FCC Part 15 Class A, CE mark, EN55011 Class A, EN61326-1, ICES-003/NMB-003 Class A |
| Frame rate max | 28 fps   |
| Gain max       | 21.5 dB  |
| IP class       | IP67   |
| Lens barrel    | C-mount  |
| Memory (RAM)   | 4 GB   |
| Mono/color     | Mono   |
| Pixel size     | 3,2 x 3,2  |
| Processor      | Intel Atom x6211E  |
| Resolution     | 12,5MP   |
| Resolution max | 4096 x 3072  |
| Sensor model   | XGS 12000  |

|                             |                  |
|-----------------------------|------------------|
| Sensor size                 | 1"               |
| Sensor supplier             | ON Semiconductor |
| Shutter speed max           | 4.2 s            |
| Shutter speed min           | 50 µs            |
| Shutter type                | Global           |
| Storage                     | 32 GB            |
| Temperature operational max | 45 °C            |
| Temperature operational min | 0 °C             |