

One4all

Up to 150FPS at QVGA



The Imaging Source Wide VGA USB camera is the perfect solution for many industrial automation, quality assurance, security, surveillance, and medical applications. Utilizing the Aptina MT9V024 CMOS sensors, the housed and board version products are very compact and extremely cost sensitive. Selectable window and high-speed readout are but a few of the performance enhancements that are coupled with the included comprehensive software package.

The Imaging Source 22 Series CMOS Cameras are characterized by **small housings** and **very competitive prices**.

Included:

- Camera , CS to C mount Spacer, and Tripod Mount
- Drivers for WDM, DirectX®, TWAIN, ActivVisionTools, HALCON, VfW, LabVIEW®, and MIL for Windows XP and Windows Vista and Windows 7
- IC Capture camera control and acquisition software for Windows XP through Windows 7 (32 and 64 bit versions supported)
- IC Imaging Control: SDK (Software Developer's Kit) including a .NET component, an ActiveX, and a C++ Class library for Windows

Software developers and system engineers prefer The Imaging Source cameras for their ease of integration and comprehensive SDK.

Common Uses:

- Industrial Automation and Quality Control
- Security and Situational Awareness
- Multimedia and Entertainment
- Astronomy and Life Sciences
- Metrology
- Logistics



Specifications

Sensor	Aptina MT9V024
Pixel Size	6.0 x 6.0 Microns
Maximum Resolution	744 x 480 Pixels
Imaging Area	4.55mm x 2.97mm
Optical Format	1/3 Inch
Frame Rates	Resolution Dependant
Shutter Type	Global Shutter
Window Size	QVGA, VGA, WVGA
Current Consumption	250 mA at 5 VDC
Operating Temperature	-5 °C to 45 °C
Dynamic Range	8 Bit

Sample Modes

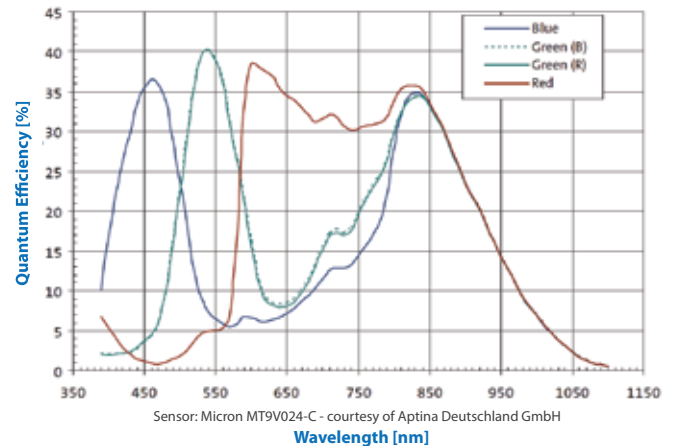
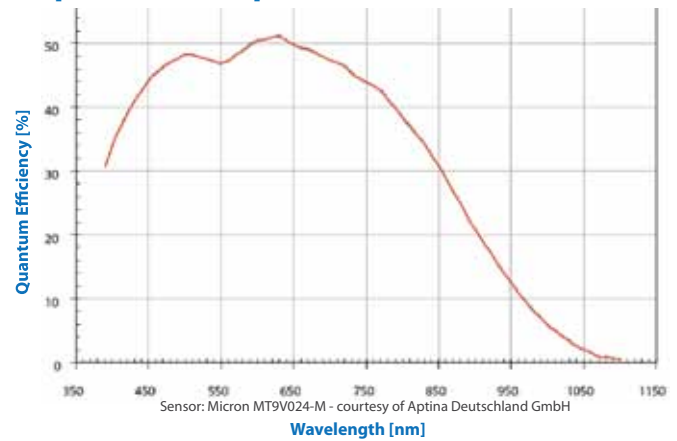
Resolution	Format	FPS	Sensitivity
744 x 480	1/3 "	60	4.8 V/lix-sec
640x 480	1/3 .5"	90	4.8 V/lix-sec
320x 240	1/7"	150	4.8 V/lix-sec

Resolution, format, FPS and sensitivity adjustable via included software.

Options

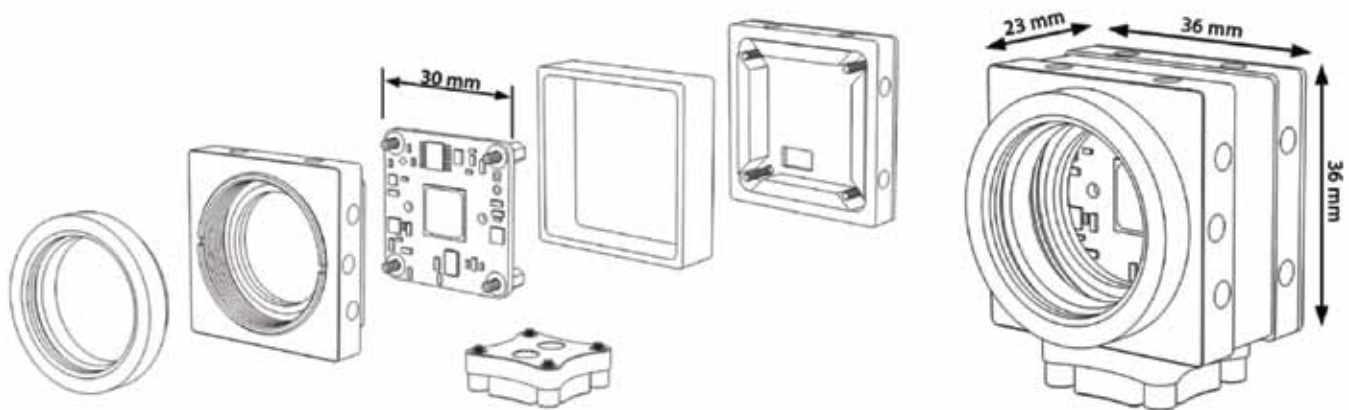
Color (x=F) Monochrome (x=M)	DxK 22AUC03	DxK 22BUC03
Trigger		X
GPIO		X
C and CS Mount	X	X
Board Level Available	X	X
Right Angle Board	X	X
Autofocus	X	

Spectral Response



Accessories

- CS to M12 Adapter
- C, CS, and M12 Lenses
- USB 2.0 Cable (1.8m, 3m, 4.5m)
- 4 - Pin Hirose Break-out Cable (1.5m)



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VGA to 5MP



The Imaging Source 5 mega-pixel USB camera is the perfect solution for many industrial automation, quality assurance, security, surveillance, and medical applications. Utilizing the Aptina MT9P031 CMOS sensors, the housed and board version products are very compact and extremely cost sensitive. Binning, windowing, and high-speed readout are but a few of the performance enhancements that are coupled with the DigitalClarity technology that dramatically reduces image noise levels.

The Imaging Source 72 Series CMOS Cameras are characterized by **small housings** and **very competitive prices**.

Included:

- Camera , CS to C mount Spacer, and Tripod Mount
- Drivers for WDM, DirectX®, TWAIN, ActivVisionTools, HALCON, VFW, LabVIEW®, and MIL for Windows XP and Windows Vista and Windows 7
- IC Capture camera control and acquisition software for Windows XP through Windows 7 (32 and 64 bit versions supported)
- IC Imaging Control: SDK (Software Developer's Kit) including a .NET component, an ActiveX, and a C++ Class library for Windows

Software developers and system engineers prefer The Imaging Source cameras for their ease of integration and comprehensive SDK.

Common Uses:

- Industrial Automation and Quality Control
- Security and Situational Awareness
- Multimedia and Entertainment
- Astronomy and Life Sciences
- Metrology
- Logistics



Specifications

Sensor	Aptina MT9P031
Pixel Size	2.2 x 2.2 Microns
Maximum Resolution	2592 x 1944 Pixels
Imaging Area	5.70mm x 4.28mm
Optical Format	1/2.5 Inch
Frame Rates	Resolution Dependant
Binning	2x and 4x
Shutter Type	Rolling
Window Size	Fully Programmable
Current Consumption	250 mA at 5 VDC
Operating Temperature	-5 °C to 45 °C
Dynamic Range	8 Bit

Sample Modes

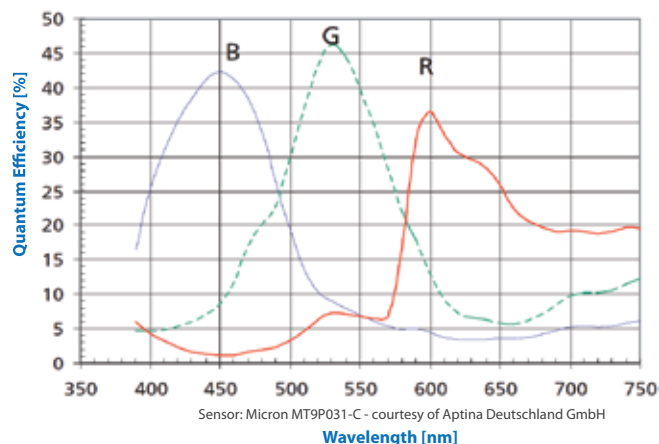
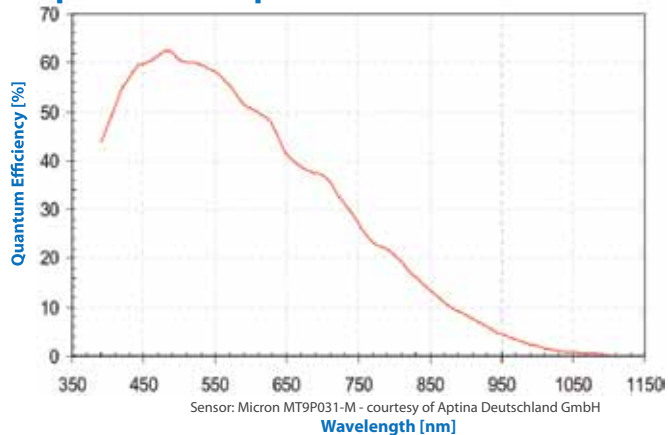
Resolution	Format	FPS	Sensitivity
2592 x 1944	1/2.5"	6	1.4 V/lix-sec
1280 x 960	1/4.5"	19	1.4 V/lix-sec
640 x 480	1/9"	52	1.4 V/lix-sec

Resolution, format, FPS and sensitivity adjustable via included software.

Options

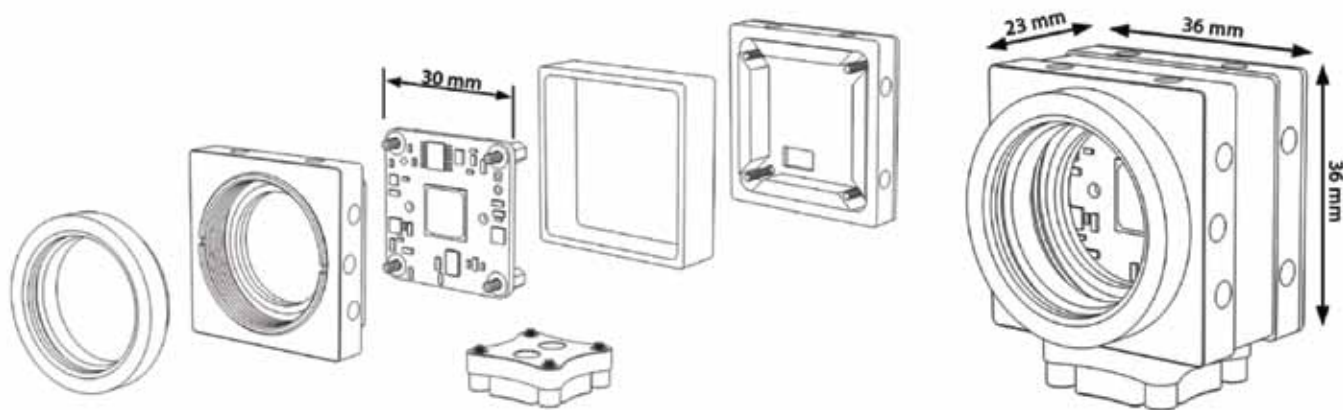
Color (x=F) Monochrome (x=M)	DxK 72AUC02	DxK 72BUC02
Trigger		X
GPIO		X
C and CS Mount	X	X
Board Level Available	X	X
Right Angle Board	X	X
Autofocus	X	

Spectral Response



Accessories

- CS to M12 Adapter
- C, CS, and M12 Lenses
- USB 2.0 Cable (1.8m, 3m, 4.5m)
- 4 - Pin Hirose Break-out Cable (1.5m)



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