

[13 MegaPixel USB 3.0 CMOS Color Camera](#) NEW

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- [Products](#)
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- [Resellers](#)

[Products](#) [Industrial Cameras](#) [USB 3.0 Mono](#) [DMK 23U274](#)

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 - [USB 3.0 Color](#)
 - [USB 2.0 Mono](#)
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 - [GigE Color](#)
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 - [FireWire 800 Color](#)
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- [Autofocus Cameras](#)
- [Zoom Cameras](#)
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- [Grabbers](#)
- [Software](#)
- [Optics](#)
- [Accessories](#)

DMK 23U274



Lens not included

- **USB 3.0 Monochrome Industrial Camera**

- 1/1.8 " Sony CCD
- 1600x1200 pixel
- Up to 20 images/s
- Trigger input and I/O
- [Software included](#)

\$850.00

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(United States)

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[Fact Sheet](#) & [Brochure](#)

- [Specification](#)
- [Documentation](#)
- [Drivers & Software](#)

General Behavior

Video formats @ Frame rate 1600x1200 Y800 @ 20, 15, 7.5, 3.75 fps
1600x1200 Y16 @ 20, 15, 7.5, 3.75 fps

Sensitivity 0.05 lx

Dynamic range 8 / 12 bit

Interface (optical)

IR cut filter no

Sensor specification  Sony [ICX274AL](#) [PDF]

Shutter Global

Format 1/1.8 "

Resolution H: 1600, V: 1200

Pixel size H: 4.4 µm, V: 4.4 µm

Lens mount C/CS

Interface (electrical)

Interface USB 3.0

Supply voltage 4.5 to 5.5 VDC

Current consumption approx 250 mA at 5 VDC

Interface (mechanical)

Dimensions H: 29 mm, W: 29 mm, L: 43 mm

Mass 65 g

Adjustments (man)

Shutter 1/10000 to 1/4 s

Gain 0 to 36 dB

Adjustments (auto)

Shutter 1/10000 to 1/4 s

Gain 0 to 36 dB

Environmental

Max. temperature (operation) -5 °C to 45 °C

Subject to change

Max. temperature (storage) -20 °C to 60 °C
 Max. humidity (operation) 20 % to 80 % non-condensing
 Max. humidity (storage) 20 % to 95 % non-condensing

Subject to change

Whitepapers about Cameras

v1.4  [Industrial Cameras: Spectral Sensitivity](#) [733.98 KB]
 v1.1  [Industrial Cameras: 23 Series - Trigger and I/O](#) [1.55 MB]

Dimensional Diagrams

v1.9  [Dimensional Diagrams for all Industrial Cameras](#) [1.56 MB]

PRODUCT CATALOGS

v2.4  [The Imaging Source Product Catalog](#) [5.03 MB]
 v2.3  [The Imaging Source Product Catalog - Overview](#) [4.15 MB]

Drivers

v2.6.5.1014 [Requirements](#)  [Device Driver for The Imaging Source USB 3.0 Cameras](#) [1.93 MB]

SDKs

v3.3.0.1597 [Requirements](#)  [IC Imaging Control .NET Component, C++ Class Library](#) [18.55 MB]
 v3.2.0.7 [Requirements](#)  [IC Imaging Control C Library](#) [4.14 MB]
 v3.2.0.0 [Requirements](#)  [IC Imaging Control ActiveX](#) [4.1 MB]
 v3.2.0.0 [Requirements](#)  [IC Imaging Control ActiveX Runtime Setup](#) [2.32 MB]

Programming Samples

v1.0.0.0 [Requirements](#)  [Barcode Scanner C# Sample for IC Imaging Control](#) [4.84 MB]

Extensions

v2.2.341.1332 [Requirements](#)  [TWAIN Source for IC Imaging Control](#) [2.93 MB]
 v3.2.0.3 [Requirements](#)  [Cognex VisionPro AIK Plugin for IC Imaging Control](#) [2.16 MB]
 v2.0.0.3 [Requirements](#)  [ActivVisionTools Driver for IC Imaging Control](#) [760.74 KB]
 v3.2.0.0 [Requirements](#)  [HALCON Extension for IC Imaging Control](#) [12.82 MB]
 v3.2.0.13 [Requirements](#)  [LabVIEW Extension for IC Imaging Control](#) [4.72 MB]
 v1.1.0.0 [Requirements](#)  [IC Matlab Plugin for Matlab 10.0 R2010](#) [2.28 MB]
 v3.3.0.0 [Requirements](#)  [IC Matlab Plugin for Matlab R2013b](#) [2.01 MB]

End-User

v2.3.377.1659 [Requirements](#)  [IC Capture, Image Acquisition](#) [2.29 MB]
 v1.0.0.0 [Requirements](#)  [Footswitch software for IC Capture](#) [906.14 KB]

Tools And Utilities

v2.2.0.0 [Requirements](#)  [Processor Idle State Manager](#) [609.38 KB]

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[ISO 9001:2008 certified](#)