

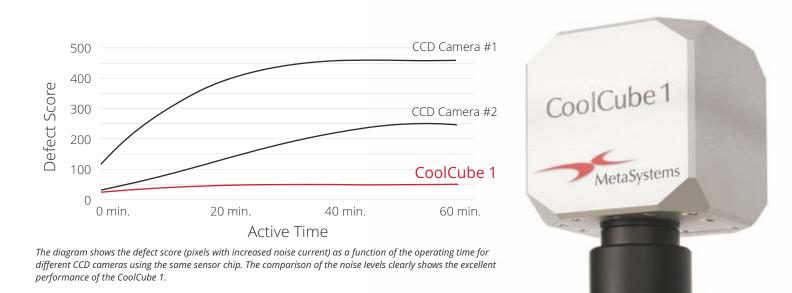
High-Resolution Digital CCD Camera

USB-Camera for Monochrome or Color Imaging

Extremely low image noise due to optimized housing

The CoolCube 1 is a high-resolution digital CCD camera with progressive scan that combines excellent technical features with an attractive price. All MetaSystems imaging products are compatible with CoolCube cameras. Two different models are available: a monochrome version, CoolCube 1m, and a Bayer-mask color version, CoolCube 1c.

Thanks to its very low power consumption and optimized housing design, the CoolCube 1 keeps the imaging sensor cool. This results in unusually low thermal noise. The CoolCube 1 is therefore particularly suitable for low-light level situations and fluorescence imaging.





Technical Specifications

Resolution/Pixel Size Sensor	1360 x 1024 pixels; 6.45 µm x 6.45 µm 2/3" EXview HAD CCD™, quadratic pixels, monochrome or color (BAYER pattern)
Order Number	CoolCube 1m (monochrome): H-0310-009-MS CoolCube 1c (color): H-0310-010-MS
Frame Rate	15 fps @ full resolution
Full Well Capacity	17,000 e
Digitization Depth	12 Bit
Shutter	Global Shutter
Exposure Time	20 µs to 270 s
Gain	1 - 16
Data Interface	High Speed USB 2.0
Power Supply / Power Consumption	USB powered; 2.4 W
Internal Image Memory	32 MByte
Mechanical Interface	C-Mount
Dimensions	70 mm x 70 mm x 70 mm
Weight	730 g

The described functions refer to the following software versions: **Ikaros** 6.3 | **Metafer** 4.3

 $C \in \mathbb{P}$ MetaSystems software and system products are classified as in vitro diagnostic medical devices (IVD) in the European Union in accordance with the Regulation (EU) 2017/746 or Directive 98/79/EC, respectively, and carry the CE label unless otherwise indicated. Use all MetaSystems IVD products only within the scope of their intended purpose.

MetaSystems products are used in many countries worldwide. Depending on the regulations of the respective country or region, some products may not be used for clinical diagnostics.

Some hardware components supplied by other manufacturers are not included in MetaSystems IVD products and are therefore not IVD medical devices.

The CoolCube 1 camera is manufactured by ABS GmbH Jena, Germany.

WORLDWIDE OFFICES

EUROPE

Germany, Altlussheim info@metasystems-international.com

Italy, Milan info@metasystems-italy.com

AMERICAS

USA, Medford info@metasystems.org

Argentina, Buenos Aires info@metasystems-latam.com

ASIA

China, Hong Kong info@metasystems-asia.com

China, Taizhou info@metasystems-china.com

India, Bangalore info@metasystems-india.com

CONTACT US

OR YOUR LOCAL MetaSystems REPRESENTATIVE



metasystems-international.com

MetaSystems Hard & Software GmbH Robert-Bosch-Str. 6 68804 Altlussheim | Germany

© 2023 by MetaSystems Document No. FLY-MS-CoolCube1-EN-2023-01-04



info@metasystems-international.com www.metasystems-international.com