

CoolCube 1P

CMOS Camera
for Monochrome
or Color Imaging

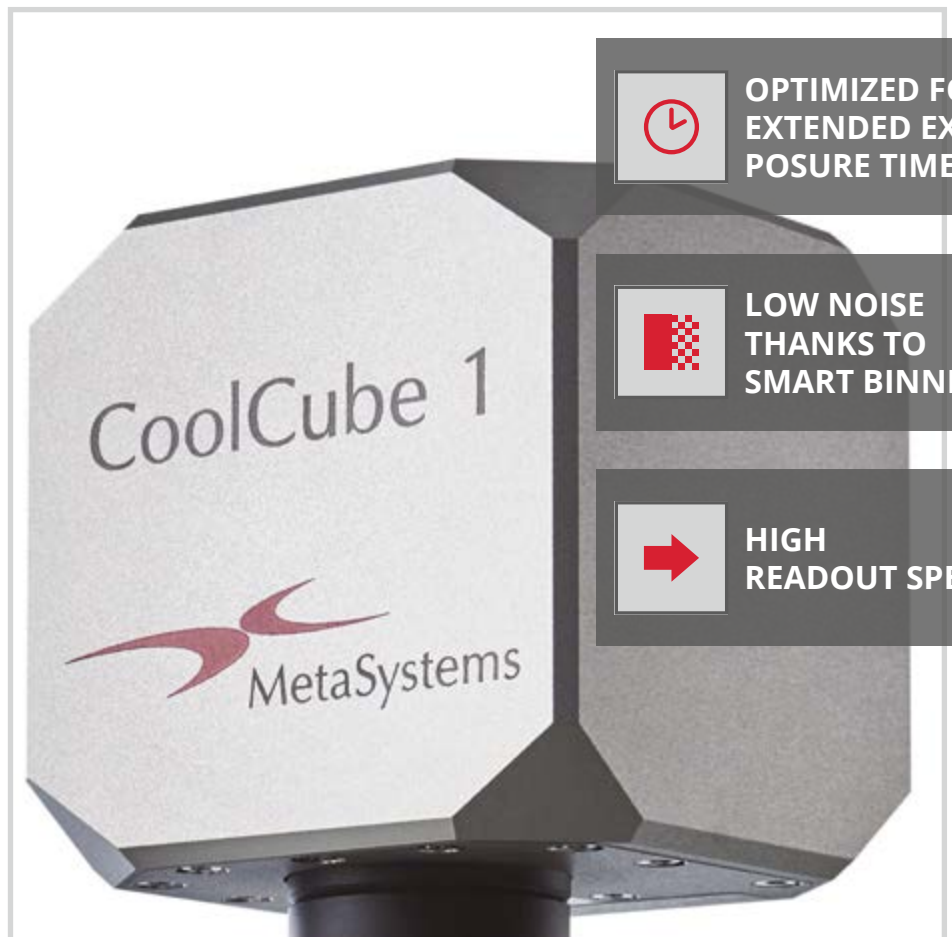
USB Camera for Either Monochrome or Color Im- age Capture

*Superior Signal-to-Noise Ratio Enabled
by Intelligent Binning Technology*

The CoolCube 1P represents a cutting-edge, high-resolution CMOS camera (2,448 x 2,048 px; 1,224 x 1,024 px binned) that blends outstanding technical capabilities with a cost-effective pricing. There are two versions available: the monochrome model, CoolCube 1Pm, and the color model CoolCube 1Pc.

All imaging products from MetaSystems are designed to work seamlessly with CoolCube 1P cameras.

The CoolCube 1P stands out with its low power usage, a very high readout speed, and a design fine-tuned for effective thermal regulation, ensuring the imaging sensor operates at a cool temperature to minimize thermal noise. Additionally, the integration of intelligent binning technology in the CoolCube 1P results in an exceptionally high signal-to-noise ratio.





SENSOR

SONY 5MP
CMOS Sensor IMX 250



PIXEL SIZE

6.9 µm



RESOLUTION

1,224 x 1,024 px
(Enforced Binning)



SNR *

45.3 dB
* Signal-to-Noise Ratio



INTERFACES

Data: built-in USB 3
Mech.: C-Mount



READOUT SPEED

40 fps
(Frames / Second)



DIMENSIONS

approx. 70 mm x
70 mm x 70 mm



WEIGHT

approx. 730 g

Order Information

C-3500-023-MS	Capture Kit CoolCube 1Pm	(monochrome)
C-3500-024-MS	Capture Kit CoolCube 1Pc	(color)

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

The CoolCube 1Pm and CoolCube 1Pc cameras are manufactured by The China Daheng Group, Inc Beijing Image Vision Technology Branch.

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

© 2024 by MetaSystems

Document No. BRO-MS-CoolCube1P-EN-2024-01-01