

Digital Microscope for Protein Crystal Observation and Documentation



CrysCam™

The CrysCam™ Digital Microscope allows you to capture the images of an entire plate with a click of the mouse. The stage and easy-to-use software automatically capture the image of each well and then moves to the next. With the small footprint the device fits into a small space and can also be set up in a cold room. The CrysCam™ can be used to see crystals during crystallization, instead of looking through a microscope. The high resolution and precise X-Y stage easily mounts to the CrysCam™ base.

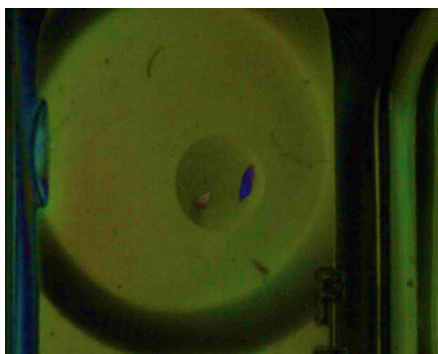
CrysCam™ features:

- Compatible with 96-well, 24-well Linbro and Terasaki plates (see adapters overleaf)
- Reads a 96-well plate in less than three minutes.
- Can be used in a cold room at 4°C.
- Quality par focal zoom lens with iris.
- Integrated cross polarization.
- 6.5 x zoom with 3.87 mm x 5.16 mm - 0.6 mm x 0.8 mm field of view.
- 3 Mpix CMOS, 8.38 mm sensor USB cameras.
- Modular and upgradeable components
- Smooth large base platform with integrated LED lighting.
- Image acquisition and processing software.
- Easy-to-use Windows software.
- Integrated scoring database for analysis of score in the software
- Accurate and precise closed-loop control system.
- Predefined plate library makes choosing the right well location quick and easy.
- Stage resolution down to 0.0033 mm.
- Small footprint; light weight.

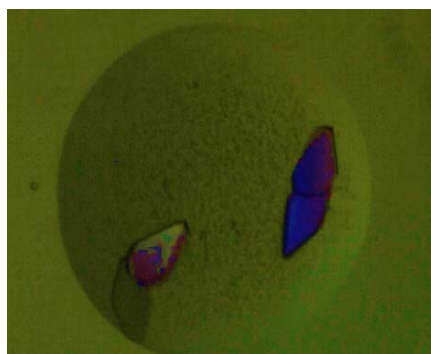
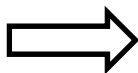


Camera head

Crystal images:



Drop size 200 nl in crystallization plate



Drop size 200 nl with max. zoom

Specifications:

CrysCam Stage: (w x h x d) 44.45 cm x 33.02 cm x 34.29 cm, 10.66 kg
100 – 240 Vac, 50–60 Hz, .25A

Power Supply: (w x h x d) 16.51 cm x 8.89 cm x 29.21 cm, 1.9 kg
100 – 240 VAC, 50-60 Hz, 3A

Camera: USB 2.0
Resolution: 3.0 mega pixel
Sensor: CMOS 8.38 mm

Optics: Zoom lens with iris
6.5 zoom ratio
Magnification: .387 mm x 5.16 mm x 0.8 mm

Software: Windows.NET

Cat. No.	Description
610-1000-10	CrysCam™ Digital Microscope System incl. X-Y Stage, 3 Mpix camera, 6.5 zoom ratio lens, Crys Score image capture and scoring software; with desktop computer
610-1000-11	CrysCam™ with same features as 610-1000-10, but with laptop
610-1001-01	Plate Adapter for CrysCam™ – Linbro Plate
610-1001-02	Plate Adapter for CrysCam™ – Q Plate
610-1001-03	Plate Adapter for CrysCam™ – Terasaki Plate
25-1000-50	Hood for CrysCam™ System

All prices are upon request!