

# Excelis HD LITE

HIGH DEFINITION MICROSCOPY CAMERA

High-fidelity color microscopy camera delivers true, real-time 1080P HD images for a wide variety of scientific, education and industrial applications. On-board software allows operation without a PC or use with **CaptaVision+** advanced imaging software. Optional attachable HD monitor.



## Key Features



## Recommended Applications

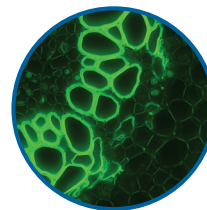
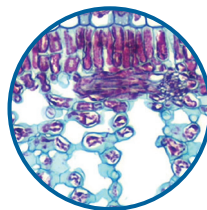
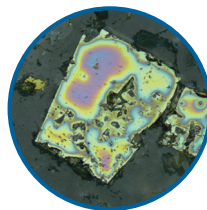
### BRIGHTFIELD

- Pathology
- Cell biology
- Live cell imaging
- Microbiology

### EDUCATION & TRAINING

#### INDUSTRIAL

- Inspection
- Measurement & Analysis
- Documentation



**Empowering Discovery. Advancing Results.**

# Excelis HD Lite Series

HIGH DEFINITION MICROSCOPY CAMERA

## Key CaptaVision+ Software Features

- Intuitive & customizable user interface
- Simple calibration and measurements
- Advanced control of exposure, gain, color balance, etc.
- Powerful image processing tools
- Intelligent flat field correction
- Real-time fluorescence image synthesis
- Real-time stitching and depth-of-field fusion
- Flexible report generation and data export



Model AU-300-HDS  
shown on EXC-120  
microscope

### WHAT'S IN THE BOX

Excelis HD Camera, HDMI Cable, USB 2.0 Cable, 12V Power Adapter, 8GB SD Card, USB Mouse, CaptaVision PC Imaging Software

## ON-BOARD SOFTWARE FEATURES

**No PC required to start imaging!**

### Camera control including:

- Auto and manual exposure
- White balance (lock or auto)
- Color temperature

### Image viewing tools:

- Horizontal/vertical flip
- Zoom in/out
- Crossline Display
- Image browser
- Image comparison

### Capture images and videos to SD card (included)

### CAMERA & PC SOFTWARE SPECIFICATIONS

Model	AU-300-HD (no monitor) • AU-300-HDS (w/ 11.6" monitor)
Sensor	Aptina MT9P031
Sensor Size	1/2.5", 0.5x C-mount recommended
Live Resolution	1920x1080
Frame Rate	30fps (HDMI); 15fps (USB 2.0)
Image Capture	High Speed SD Card (8GB)
Video Capture	HDMI: 1080p, 15fps to SD Card USB 2.0: 1080p, 15fps to PC or Mac
Exposure Time	Auto; 0.001 sec – 10.0 sec
White Balance	Auto
Settings	Gain, Gamma, Saturation, Contraction
Built-in Software	Cloud 1.0
PC Imaging Software	<b>CaptaVision</b> Imaging Software (for PC only; Mac OS not supported)  <b>Advanced Camera Controls:</b> still image measurement and annotation; flat field correction; extended depth of focus (focus stacking); image stitching; HDR (High Dynamic Range) function  <b>Image Types:</b> JPEG, PNG, TIFF and DICOM
System Software Compatibility	Windows 7, 8, & 10 (64-bit recommended); Mac OSX (for image transfer to Mac OSX only) <b>System Requirements:</b> Intel processor (Core i5 or higher); 64GB RAM or more; USB 2.0 HighSpeed port
Output Modes	Mode 1: USB 2.0 / Mode 2: HDMI
Power Supply	DC12V/1A

### MONITOR SPECIFICATIONS

Monitor (optional)	Mountable 11.6" HD Display Contrast: 1000:1, Dot Pitch: 0.1338mm
Input Modes	AC power, HDMI



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