

# MaxIm DL

THE COMPLETE INTEGRATED SOLUTION FOR ALL OF YOUR ASTRONOMICAL IMAGING NEEDS



Cyanogen Imaging® MaxIm DL™ includes an extensive suite of image acquisition, processing, and analysis tools. Starting with complete observatory integration, MaxIm DL takes you from gathering raw data through to the final high-quality result with the minimum of effort.

A typical imaging sequence will include hours of autoguided images with dither, automatic filter changes, and pier flipping – all the while slewing your dome and monitoring the weather. Every image is tagged with extensive data in its FITS header. When your weather sensor reports unsafe conditions MaxIm DL will automatically shut down your equipment, park the telescope, and safe the dome.

Once your images are collected, MaxIm DL can automatically assemble your calibration images into groups, select the correct groups for each individual image, calibrate, and stack your images. You can process hundreds of images from different targets with just a few mouse clicks.

MaxIm DL also includes advanced photometry and astrometry capabilities. Photometric measurements are made using best practice median-mean and partial-pixel algorithms vetted by professional astronomers. Astrometric measurements are performed using PinPoint LE, widely recognized as the most powerful and accurate package available today.



## Software Options:

### MaxIm LT

Supports modern SBIG camera models, plus webcams. This includes associated guiding, adaptive optics, and filter wheel accessories. MaxIm LT has basic image processing, and does not control observatory equipment.

### MaxIm DL IP

Provides full image processing and analysis capability, but no instrumentation control or image capture.

### MaxIm DL Pro

Provides all features, including support for all camera models and observatory equipment.

### MaxIm DL Pro Suite

Bundle of MaxIm DL Pro and MaxPoint.

**MAJOR FEATURES**

	MaxIm LT (SBIG Only)	MaxIm DL IP	MaxIm DL Pro	MaxIm DL Pro Suite
Multi-Camera Imaging	X	X	X	✓
Com/ActiveX Scripting	X	✓	✓	✓
Image Processing Plug-ins	X	✓	✓	✓
Third-Party Camera Plug-in Support	X	X	✓	✓
Built-in Planetarium	X	X	✓	✓

**EQUIPMENT SUPPORTED BY MAXIM**

Category	Model
Dome or Roof Control	MaxDome II
Observing Conditions	Boltwood Cloud Sensor III
Safety Monitor	Boltwood Cloud Sensor III
SBIG Adaptive Optics	AO-8A, AO-X
SBIG Aluma (AC) Models	AC4040, AC2020BSI,
SBIG Aluma (CCD) Models	CCD47-10, CCD77-00, CCD8300
SBIG Filter Wheels	SBIG AFW Filter Wheels, FW7-STX, FW8-STC, FW8S-Aluma, FW8-8300, FW5-STX
SBIG StarChaser Models	SC-4, SC-3
SBIG STC Models	STC-428-M, STC-428-OEM, STC-428-P, STC-428-FW
SBIG STF, STT, STXL, and STX Models Manufactured since 2014.	STF-4070, STF-8300, STT-8300M
Third party equipment	ASCOT Telescope Mount, Main and Guide Cameras, Filter Wheels, Focusers, Rotators, Dome, Switch, Observing Conditions, Safety and more

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