

Discovery MH15 monochrome



The Discovery range of cameras is high quality scientific grade CMOS cameras with High QE: 67% Low read noise: $3e^-$. This results in excellent low light imaging with very little image noise. The Discovery is ideal for fluorescent and other low light application with 8 and 12bit grey level output.

Supplied with Windows and Macintosh software as well as Twain and direct show drivers for Windows. USB2.0 connection.

Discovery MH15	
chip model	MH15
Sensor size	1/3"
Pixel size	3.63 μ m x 3.63 μ m
Resolution	1280H x 1030V
Filter	monochrome
Optical port	standard C-mount
Maximum fps	25fps(1280 x 1030) 50 fps (664 x 512)
Binning	2*2
Readout noise	3e-(r.m.s)
Quantum efficiency	Max. 67%
Full well capacity	15000e-
Dynamic range	4500 : 1 (Gain1X)
A/D conversion	12 bit, The4096 gray scale
Exposure control	automatic/manual
Exposure time	1-70000ms
Freeze frame noise reduction	Electronic type
White balance	automatic/manual
Time exposure	Automatic integral