

MICROSCOPE CAMERA SELECTION REFERENCE

Oem-Optical.com

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BEST for:

Make	Model	MP	Resolution	Sensor type	Pixel Size	Cooled	Pixel Shift	Fluorescence	Brightfield	Darkfield	Phase	Nomarski (DIC)	POL	Coupler
Lumenera Infinity 1 Scientific CMOS Digital Cameras														
Lumenera	Infinity 1-1M	1.3 MP	1280x1024	1/2" CMOS mono	5.2um	N	N		•	•	•	•	•	0.5x
Lumenera	Infinity 1-2CB	2 MP	1600x1200	1/2" CMOS color	4.2um	N	N		•	•	•			0.5x
Lumenera	Infinity 1-3C	3.1 MP	2048x1536	1/2" CMOS color	3.2um	N	N		•	•				0.5x
Lumenera	Infinity 1-5C	5 MP	2592x1944	0.4" CMOS color	2.2um	N	N		•	•				0.5x
Lumenera	Infinity 1-5M	5 MP	2592x1944	0.4" CMOS mono	2.2um	N	N		•	•	•	•	•	0.5x
Lumenera Infinity 2 Scientific CCD Digital Cameras														
Lumenera	Infinity 2-1C	1.4 MP	1392x1040	1/2" CCD color	4.65um	N	N		•	•	•	•	•	0.5x
Lumenera	Infinity 2-1M	1.4 MP	1392x1040	1/2" CCD mono	4.65um	N	N	MOD	•	•	•	•	•	0.5x
Lumenera	Infinity 2-2C	2 MP	1616x1216	0.55" CCD color	4.4um	N	N		•	•	•	•	•	0.5x
Lumenera	Infinity 2-2M	2 MP	1616x1216	0.55" CCD mono	4.4um	N	N	MOD	•	•	•	•	•	0.5x
Lumenera	Infinity 2-3C	3.3 MP	2080x1536	0.55" CCD color	3.45um	N	N		•	•	•	•	•	0.5x
Lumenera	Infinity 2-5C	5 MP	2448x2048	2/3" CCD color	3.45um	N	N		•	•	•	•	•	0.63x
Lumenera	Infinity 2-5M	5 MP	2448x2048	2/3" CCD mono	3.45um	N	N		•	•	•	•	•	0.63x
Lumenera Infinity 3 Research CCD Digital Cameras Either 0.63x or 0.67x suitable for 2/3" models														
Lumenera	Infinity 3-1C	1.4 MP	1392x1040	2/3" CCD color	6.45um	Y	N	Trace	•	•	•	•	•	0.63x
Lumenera	Infinity 3-1M	1.4 MP	1392x1040	2/3" CCD mono	6.45um	Y	N	Trace	•	•	•	•	•	0.63x
Lumenera	Infinity 3-1URc	1.4 MP	1392x1040	2/3" CCD color	6.45um	N	N	Low	•	•	•	•	•	0.63x
Lumenera	Infinity 3-1URm	1.4 MP	1392x1040	2/3" CCD mono	6.45um	N	N	Low	•	•	•	•	•	0.63x
Lumenera	Infinity 3-3URc	2.8 MP	1936x1456	2/3" CCD color	4.54um	N	N	Low	•	•	•	•	•	0.63x
Lumenera	Infinity 3-3URm	2.8 MP	1936x1456	2/3" CCD mono	4.54um	N	N	Low	•	•	•	•	•	0.63x
Lumenera	Infinity 3-6URc	6 MP	2752x2192	1" CCD color	4.54um	N	N	Low	•	•	•	•	•	1x
Lumenera	Infinity 3-6URm	6 MP	2752x2192	1" CCD mono	4.54um	N	N	Low	•	•	•	•	•	1x
Lumenera Infinity 4 Research CCD Digital Cameras														
Lumenera	Infinity 4-11C	10.7 MP	6464x4864	35mm CCD color	9um	N	N	Trace	•	•	•	•	•	special
Lumenera	Infinity 4-11M	10.7 MP	6464x4864	35mm CCD mono	9um	N	N	Trace	•	•	•	•	•	special
Lumenera Infinity X-32 Scientific CCD Digital Cameras														
Lumenera	Infinity X-32C	32 MP	4008x2672	0.55" CCD color	4.4um	N	Y -Mechanical		•	•	•	•	•	0.5x
Lumenera	InfinityX-32M	32 MP	4008x2672	0.55" CCD mono	4.4um	N	Y -Mechanical	MOD	•	•	•	•	•	0.5x
Lumenera Infinity HD Scientific CMOS Digital Cameras														
Lumenera	Infinity HD	2.1 MP	1920x1080	1/3" CMOS color	2.7um	N	N		•	•	•			0.3x
Lumenera Infinity LiteB Academic CMOS Digital Cameras														
Lumenera	Infinity LiteB	1.5 MP	1440x1080	1/3" CMOS color	4.2um	N	N		•	•				0.3x

DEFINITIONS:

- = well suited for the application, **MOD** = suitable for moderate to bright fluorescence, **Trace** = best for very low to trace level fluorescence capture, **Low** = suitable for low level (eyepiece visible)
- Mono**chrome sensors typically have 2x greater sensitivity than color (due to no Bayer mosaic filter) and may be better suited in some applications offering better spatial detail