











# CAMERA SPECIFICATIONS

Board Level/ Enclosed	Resolution	Frame Rate	Bit Depth	Pixel Pitch	Optical Format	Shutter Type	Sensor Type	Color/Mono	Lens Mount	General Purpose I/O
Lu070/Lu075	640x480	60	8 or 12	7.4 µm	1/3"	Global	CCD	Color or Mono	C or CS	4 IN & 4 OUT
Lm075	640x480	60	8 or 12	7.4 µm	1/3"	Global	CCD	Color or Mono	C or CS	1 IN & 1 OUT/3 BI-DIR*
Lm085	640x480	60	8 or 10	6 µm	1/3"	Global	CMOS	Color or Mono	C or CS	1 IN & 1 OUT/3 BI-DIR*
Lu100/Lu105	1280x1024	15	8 or 10	5.2 µm	1/2"	Rolling & Half Global	CMOS	Color or Mono	C or CS	4 IN & 4 OUT
Lu120/Lu125	1280x1024	15	8 or 10	6.7 µm	2/3"	Rolling & Global	CMOS	Color or Mono	C or CS	4 IN & 4 OUT
Lu130/Lu135	1392x1040	15	8 or 12	4.65 µm	1/2"	Global	CCD	Color or Mono	C or CS	4 IN & 4 OUT
Lm135	1392x1040	15	8 or 12	4.65 µm	1/2"	Global	CCD	Color or Mono	C or CS	1 IN & 1 OUT/3 BI-DIR*
Lu160/Lu165	1392x1040	15	8 or 12	6.45 µm	2/3"	Global	CCD	Color or Mono	C or CS	4 IN & 4 OUT
Lm165	1392x1040	15	8 or 12	6.45 µm	2/3"	Global	CCD	Color or Mono	C or CS	1 IN & 1 OUT/3 BI-DIR*
Lu170/Lu175	1280x1024	30	8 or 10	5.2 µm	1/2"	Rolling	CMOS	Color or Mono	C or CS	4 IN & 4 OUT
Lu200B/Lu205B	1600x1200	10	8 or 10	4.2 µm	1/2"	Rolling & Half Global	CMOS	Color	C or CS	4 IN & 4 OUT
Lw230/Lw235	1616x1216	12	8 or 12	4.4 µm	1/1.8"	Global	CCD	Color or Mono	C or CS	4 IN & 4 OUT
Lu270/Lu275	1600x1200	20	8 or 10	4.2 µm	1/2"	Rolling	CMOS	Color	C or CS	4 IN & 4 OUT
Lw290/Lw295	1920x1080	20	8 or 10	5.0 µm	2/3"	Rolling	CMOS	Color	C or CS	4 IN & 4 OUT
Lu330/Lu335	2080x1536	6	8 or 12	3.45 µm	1/1.8"	Global (interlaced)	CCD	Color	C or CS	4 IN & 4 OUT
Lu370/Lu375	2048x1536	12	8 or 10	3.2 µm	1/2"	Rolling	CMOS	Color	C or CS	4 IN & 4 OUT
Lw570/Lw575	2592x1944	7	8 or 12	2.2 µm	1/2.5"	Rolling & Half Global	CMOS	Color or Mono	C or CS	4 IN & 4 OUT
Lw620/Lw625	3000x2208	5	8 or 10	3.5 µm	>2/3"	Rolling & Half Global	CMOS	Color or Mono	C or CS	4 IN & 4 OUT
Lw11059	4008x2672	3.5	8 or 12	9.0 µm	35mm	Global	CCD	Color or Mono	Canon EF	3 IN & 4 OUT
Lw11058	4008x2672	3.5	8 or 12	9.0 µm	35mm	Global	CCD	Color or Mono	Pentax K	3 IN & 4 OUT
Lw11057	4008x2672	3.5	8 or 12	9.0 µm	35mm	Global	CCD	Color or Mono	Nikon F	3 IN & 4 OUT

Software programmable direction

## 3RD PARTY PARTNERS

Lumenera cameras are quickly integrated with support from the following partners:

- Bildanalyse Systeme–Vision Tools
- BitFlow–ImageWarp
- I/O Industries–Video Savant
- MontiVision Imaging Technologies–MontiVision
- MVTec–Halcon, ActiveTools
- National Instruments–LabView, Vision Builder, AI
- Norpix–StreamPix
- Smart Imaging Technologies–SIMAGIS
- The MathWorks–MATLAB
- Tordivel AS–Scorpion Vision Software
- VISIONx INC.–VisionGauge



To better serve you, Lumenera has forged strategic partnerships with distributors and system integrators world wide. **Please contact us at 1.613.736.4077 or [industrialsales@lumenera.com](mailto:industrialsales@lumenera.com) for details on how to order, or to join our partner program.**

## CAMERA FEATURE SET

- Stable device drivers
- High-speed USB 2.0 (480 Mbps/sec)
- GPIOs — control of peripherals/synchronization of lighting
- Adjustable C-mount
- General purpose I/O
- FCC Class B, CE (enclosed cameras)
- Select 8, 10 or 12-bit pixel data
- Simplified cabling – video/full camera control over a single USB cable
- DirectShow/DirectX compatible
- Software compatible with Windows 2000, Windows XP and Windows Vista operating system
- Complete SDK available
- Multiple cameras on one computer

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