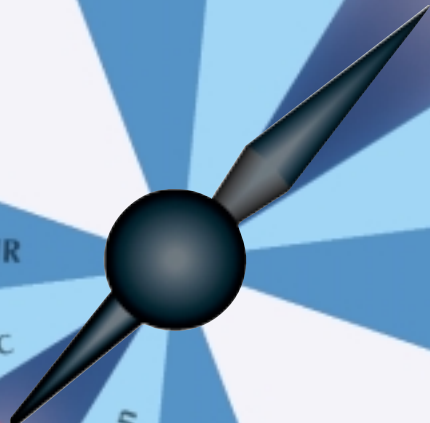


PULNiX America, Inc.
Innovation at work!



Product Selection Guide



RS-170/CCIR

Color PAL/NTSC

MegaPixel

Progressive Scan

Specialty

MegaPixel Progressive Scan Cameras

Our megapixel cameras offer superior quality, high-resolution imaging. Packed with tools and features to help maximize image quality, these cameras use large format imagers for increased dynamic range and sensitivity. They feature analog and digital outputs, including the new Camera Link interface. Additional features such as Look-Up Table (LUT), frame memory, and scan conversion are also available.

MODEL	PIXELS	IMAGER	FPS	LUT	Memory	Digital	DIMENSIONS mm	COMMENTS
TM-1320-15	1300 x 1008	2/3"	15	yes	no	yes*	44 x 44 x 64	More pixels per \$
TM-1320-24	1300 x 1008	2/3"	24	yes	no	yes‡	44 x 44 x 64	
TM-1020-15	1008 x 1018	1"	15	yes	no	yes*	44 x 44 x 64	1" format for good dynamic range
TM-1020-25	1008 x 1018	1"	25	yes	no	yes‡	44 x 44 x 64	
TM-2016-8	2006 x 1008	1"	8	yes	no	yes*	44 x 44 x 64	2 Megapixel high resolution
TM-2016-15	2006 x 1008	1"	15	yes	no	yes‡	44 x 44 x 64	
TM-2020-8	1608 x 1200	1"	8	yes	no	yes*	44 x 44 x 64	2 Megapixel with 4:3 aspect ratio
TM-1001	1008 x 1018	1"	15	no	yes	yes	44 x 48 x 136	1K Digital w/ Frame Memory
TM-1010	1008 x 1018	1"	15	no	yes	yes	52 x 68 x 152	10 Bit Digital Output
TM-1040	1008 x 1018	1"	30	no	yes	yes	52 x 68 x 174	RS-170 Scan Conversion
TM-1300	1300 x 1030	2/3"	12	no	yes	yes	52 x 68 x 162	SVGA Scan Conversion

*Available with standard parallel, Camera Link, or IEEE 1394 digital interfaces. Add CL (Camera Link) or FW (IEEE 1394) suffix to standard PIN (ex: TM-1020-15CL).

‡Available with standard parallel or Camera Link digital interfaces

Progressive Scan Cameras

PULNiX's baseline progressive scan cameras bring high performance at a cost effective price to imaging applications. Designed with machine vision in mind, all cameras have standard features that include: Asynchronous reset, external H + V drive, high speed electronic shutter, and increased frame rates. All cameras are analog output with digital where noted..

MODEL	PIXELS	IMAGER	FPS	Memory	RS-232	Digital	DIMENSIONS mm	COMMENTS
TM-6300	640 x 484	1/3"	60	no	no	no	31 x 29 x 73	NEW! Low cost miniature
TM-6702	640 x 484	1/2"	30/60	no	no	no	47 x 40 x 141	
TM-6703	640 x 484	1/2"	60	no	no	no	47 x 40 x 141	Partial scan to 200 fps
TM-6705AN	640 x 484	1/2"	60	no	no	no	47 x 40 x 141	Multi shutter
TM-6710	640 x 484	1/2"	60/120	no	yes	yes	47 x 40 x 141	Partial scan to 350 fps
TM-9701	768 x 494	2/3"	30	yes	no	yes	44 x 49 x 136	RS-170 Converted output & memory
TM-6760	640 x 484	1/2"	60	no	yes	yes*	44 x 44 x 64	NEW! Cost effective digital

*Available with standard parallel, Camera Link, or IEEE 1394 digital interfaces. Add CL (Camera Link) or FW (IEEE 1394) suffix to standard PIN (ex: TM-1020-15CL).

Progressive Scan Color Cameras

Progressive Scan Color Cameras for high resolution, high-speed color imaging applications. Excellent for inspection or machine vision applications where color is required.

MODEL	PIXELS	IMAGER	FPS	Memory	RS-232	Digital	DIMENSIONS mm	COMMENTS
TMC-6700CL	640 x 494	1/2"	60	no	yes	yes*	51 x 67 x 117	Works with VGA monitor
TMC-1000CL	1008 x 1018	1"	15	no	yes	yes*	51 x 67 x 117	High Resolution Color
TMC-9700	768 x 484	2/3"	30	yes	yes	yes	40 x 51 x 172	NTSC (Y/C Opt) converted output

*Camera Link format digital output only

NOTES

1. Shaded areas represent cameras or options which may not be fully released at time of printing. Full availability by Q4, 2001.
2. Ordering IEEE 1394 (FW suffix) model adds approximately 7 mm and 13 grams to the camera.
3. See www.pulnix.com for complete specifications and data sheets.

Standard B/W Cameras

PULNiX's standard format B/W cameras.
RS-170 models shown. **Also available in CCIR format.**

MODEL	PIXELS	IMAGER	EXT SYNC	ASYNC	AGC	AUTO EXP	DIMENSIONS mm	COMMENTS
TM-250	768 x 494	1/2"	yes	yes	yes	no	44 x 44 x 63	Ultimate RS-170 camera
TM-75	768 x 494	1/2"	yes	yes	yes	no	44 x 21 x 92	XC-75 replacement
TM-7200	768 x 494	1/2"	yes	yes	yes	no	42 x 32 x 130	Digital Output and Memory
TM-72EX	768 x 494	2/3"	yes	yes	yes	no	46 x 40 x 79	Edge Enhanced version
TM-745E	768 x 494	2/3"	yes	yes	opt	no	42 x 32 x 143	
TM-745i	768 x 494	2/3"	yes	yes	yes	yes	42 x 32 x 143	
TM-5LC	510 x 492	1/4"	no	no	yes	yes	20 Dia x 52.5	Super miniature lipstick
TM-7EG	768 x 494	1/2"	yes	no	opt	no	17 Dia x 102	Miniature Cylindrical

Standard Color Cameras

PULNiX's standard format color cameras.
NTSC models shown. **Also available in PAL format.**

MODEL	PIXELS	IMAGER	VBS	Y/C	RGB	AUTO EXP	DIMENSIONS mm	COMMENTS
TMC-7DSP	768 x 494	1/2"	yes	yes	yes	yes	42 x 32 x 146	DSP Color control
TMC-73M	768 x 494	1/3"	yes	opt	no	yes	40 Dia x 82	Mini Cylindrical

CMOS Cameras

MODEL	PIXELS	IMAGER	FPS	Memory	RS-232	Digital	DIMENSIONS mm	COMMENTS
PC-640CL	640 x 484	1/3"	60	no	yes	yes*	44 x 44 x 37	Addressable ROI (region of interest)

**Available with Camera Link or IEEE 1394 digital interfaces*

Specialty Cameras

PULNiX manufactures intensified and extended spectrum cameras for specialized imaging needs. Spectral response curves can be found on our website www.pulnix.com. Lumigen coating is available for additional response on UV cameras. Contact PULNiX for additional details on specialized products.

MODEL	PIXELS	IMAGER	FPS	Format	COMMENTS
INTENSIFIED CAMERAS					
DN-007	768 X 494	1/2"	30	Interlace	Available with Gen II, Gen III, or Gen III Ultra Intensifiers
AG-5745	768 x 494	2/3"	30	Interlace	
NEAR INFRARED (NIR) CAMERAS					
TM-250NIR	768 x 494	1/2"	30	Interlace	Our popular interlace cameras with NIR imagers for sensitivity into the IR spectrum. In addition, NIR models have increased sensitivity in the visible spectrum and are excellent in low light applications.
TM-75NIR	768 x 494	1/2"	30	Interlace	
ULTRAVIOLET (UV) SENSITIVE CAMERAS					
TM-67XX	640 x 484	1/2'	60	Progressive	OP21-UV - Order this option for UV sensitive imager in our standard cameras. Available on the camera models listed, where "XX" may be any camera in a particular family (TM-67XX = TM-6702, 6703, etc...). UV imagers are glassless and microlenseless, require special care and the imager is excluded from the camera warranty.
TM-970I	768 x 494	2/3"	30	Progressive	
TM-10XX	1008 x 1018	1"	15	Progressive	
TM-1020-XX	1008 x 1018	1"	15	Progressive	



Visit our website at

www.pulnix.com

For current:

- *New product announcements*
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- *Ordering information*

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