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RELIABLE INSPECTION SOLUTIONS

At a Glance

PPT Vision offers a broad range of smart cameras for machine vision applications, from single inspections to embedded vision systems and beyond. Powered by PPT Vision Impact Software, this ever-evolving line represents the latest technologies at the price, performance level and camera size to meet your requirements.



A-Series



T-Series



C-Series

A-Series The Power of a Vision System in a Sensor Footprint

MODEL	RESOLUTION	IMAGER	IMAGE	FRAMES/SECOND
A20	752 x 480	1/3 in. CMOS	8-bit gray-scale	69

T-Series Today's Best General-Purpose Smart Cameras

MODEL	T20*	T21*	T23*	T24*	T25*	T27*	T28*
	T30**	T31**	T33**	T34**	T35**	T37**	T38**
RESOLUTION	640 x 480	640 x 480	640 x 480	1024 x 768	1024 x 768	1600 x 1200	1600 x 1200
IMAGER	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/1.8 in. CCD	1/1.8 in. CCD
IMAGE	8-bit gray-scale	8-bit gray-scale	24-bit color	24-bit color	8-bit gray-scale	8-bit gray-scale	24-bit color
FRAMES/SECOND	60	60	60	16	16	12	12
HOUSING	Right-angle or in-line	Remote head	Right-angle or in-line	Right-angle or in-line	Right-angle or in-line	Right-angle or in-line	Right-angle or in-line

*T2X Series uses 1,334 MIPS processor

**T3X series uses 1,600 MIPS processor

C-Series High-Performance Smart Cameras

MODEL	5200	5300	5700	7200	7300	9200	9300
RESOLUTION	640 x 480	640 x 480	640 x 480	1024 x 768	1024 x 768	1600 x 1200	1600 x 1200
IMAGER	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/3 in. CCD	1/1.8 in. CCD	1/1.8 in. CCD
IMAGE	8-bit gray-scale	24-bit color	8-bit gray-scale	8-bit gray-scale	24-bit color	8-bit gray-scale	24-bit color
FRAMES/SECOND	60	60	60	16	16	12	12
HOUSING	In-line	In-line	Remote head	In-line	In-line	In-line	In-line

	A-SERIES	T-SERIES	C-SERIES
PROCESSOR	1,334 MIPS	T2X 1,334 MIPS T3X 1,600 MIPS	2,000 MIPS
RESOLUTION	752 x 480	640 x 480, 1024 x 768, 1600 x 1200	640 x 480, 1024 x 768, 1600 x 1200
ON-BOARD IMAGE BUFFERING	Up to 46	Up to 54*	Up to 54*
ON-BOARD PROGRAM STORAGE	512 MB flash	512 MB flash	256 MB flash
DEDICATED ON-BOARD OPTICALLY ISOLATED I/O	1 In/1 Out	1 In/1 Out	3 In/5 Out
CONFIGURABLE ON-BOARD OPTICALLY ISOLATED I/O	2 In/4 Out	2 In/3 Out	4 In/6 Out
POWER REQUIRED	24VDC@0.5A	24VDC@0.5A	24VDC@2A
DIMENSIONS	5.5 x 2.68 x 0.94 in. (140 x 68 x 24 mm)	In-line: 5.43 x 2.5 x 1.75 in. (138 x 63 x 45 mm) Right-angle: 5.0 x 3.0 x 2.54 in. (127 x 76 x 66 mm)	7.99 x 6.75 x 2.75 in. (203 x 172 x 70 mm)
OPERATING TEMPERATURE	0 to 50° C	-5 to 45° C	-5 to 45° C

*with 640 x 480 images

Features

All PPT smart cameras are supported by PPT Vision Impact Software and feature out-of-the box network connectivity (Ethernet/IP, TCP/IP, Modbus and OPC), 10/100 Ethernet port, RS-232 serial port, choice of I/O connections (NP or PNP) and unlimited I/O expansion options.