



A20 Series



T2x Series

VISION

## A20/T2x SMART CAMERAS SERIES

The Datalogic A20 and T2x Smart Camera Series are stand-alone, general purpose, industrialized machine vision inspection systems that allow for incredible flexibility in programming.

Powered by impact Software, this ever-evolving line represents the latest technologies at the price, performance level and camera size to meet your requirements.

All Datalogic smart cameras 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 (NPN or PNP) and unlimited I/O expansion options.

## HIGHLIGHTS

- Broad range of Smart Cameras
- Powered by the complete Impact Software suite
- Up to 2Mpix resolution
- Grayscale and color versions
- 512MB flash memory
- Built-in digital I/Os and Serial interface
- 10/100 Ethernet port
- In-line and Right-angle models

## TECHNICAL DATA

	A20 Series	T2x SERIES						
	A20	T20	T22	T23	T24	T25	T27	T28
Processor	1,334 MIPS	1,334 MIPS						
Resolution	752 x 480	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. CMOS	1/3 in. CCD	1/2 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	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	60	16	16	12	12
On-board image buffering	Up to 46	Up to 54*						
On-board Program Storage	512 MB flash	512 MB flash						
Dedicated on-board optically isolated I/O	1 In/1 Out	1 In/1 Out						
Configurable on-board optically isolated I/O	2 In/4 Out	2 In/3 Out						
Power required	24VDC@0.5A	24VDC@0.5A						
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)						
Operating temperature	0 to 50° C	-5 to 45° C						
Housing	Right-angle	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	Right-angle or in-line	Right-angle or in-line

\* with 640 x 480 images

## MODEL SELECTIONS AND ORDER INFORMATION

Model	Order No.
Camera, IMPACT A20, Grayscale, 752x480 pixels, 60 FPS, 1/3" CMOS, C-Mount	661-0384
Camera, IMPACT A20, Grayscale, 752x480 pixels, 60 FPS, 1/3" CMOS, C-Mount (accepts Dust cover)	661-0384-D
Camera, IMPACT A20, Grayscale, 752x480 pixels, 60 FPS, 1/3" CMOS, CS Mount	661-0384-CS
Camera, IMPACT A20, Grayscale, 752x480 pixels, 60 FPS, 1/3" CMOS, CS Mount (Accepts Dust Cover)	661-0384-CSD
Camera, IMPACT T20, Grayscale, 640 x 480, 60 FPS, 1/3" CCD	661-0342-T20-S
Camera, IMPACT T20, Grayscale, 640 x 480, 60 FPS, 1/3" CCD, Right Angle	661-0342-T20-SA
Camera, IMPACT T22, Grayscale, 640 x 480, 60 FPS, 1/2" CCD	661-0342-T22-S
Camera, IMPACT T22, Grayscale, 640 x 480, 60 FPS, 1/2" CCD, Right Angle	661-0342-T22-SA
Camera, IMPACT T23, Color, 640 x 480, 60 FPS, 1/3" CCD	661-0342-T23-S
Camera, IMPACT T23, Color, 640 x 480, 60 FPS, 1/3" CCD, Right Angle	661-0342-T23-SA
Camera, IMPACT T24, Color, 1024 x 768, 16 FPS, 1/3" CCD	661-0342-T24-S
Camera, IMPACT T24, Color, 1024 x 768, 16 FPS, 1/3" CCD, Right Angle	661-0342-T24-SA
Camera, IMPACT T25, Grayscale, 1024 x 768, 16 FPS, 1/3" CCD	661-0342-T25-S
Camera, IMPACT T25, Grayscale, 1024 x 768, 16 FPS, 1/3" CCD, Right Angle	661-0342-T25-SA
Camera, IMPACT T27, Grayscale, 1600 x 1200, 12 FPS, 1/1.8" CCD	661-0342-T27-S
Camera, IMPACT T27, Grayscale, 1600 x 1200, 12 FPS, 1/1.8" CCD, Right Angle	661-0342-T27-SA
Camera, IMPACT T28, Color, 1600 x 1200, 12 FPS, 1/1.8" CCD	661-0342-T28-S
Camera, IMPACT T28, Color, 1600 x 1200, 12 FPS, 1/1.8" CCD, Right Angle	661-0342-T28-SA