



## XCIV100/XP

### Smart Camera Monochrome VGA

Pricing available upon request

Weights & Measures: 760 g (1.7 oz), 70 mm (2 7/8 inches) x 94 mm (3 3/4 inches) x 139.5 mm (4 1/2 inches)

## Overview

2nd Generation Smart Camera Monochrome VGA

## Highlights

- \* High Resolution and Frame Rates: VGA resolution achieving 90 fps
- \* Enhanced Processor and Other Features: x86 CPU processor and additional SDRAM memory, customizable FGPA

- \* Additional Digital I/O and Interfaces with Superb Compatibility w/Peripherals: 2 USB 2.0, Gigabit Ethernet I/F, monitor output, RS232C serial interface, trigger input and exposure output
- \* High-End Security Features: CS mount lens support, mounted Auto Iris Interface, ability to capture Wide D images by one shot trigger and two image output

## Specifications

Camera Specifications	Detail
Image Device	1/3-type IT progressive scan CCD
Effective Resolution	640 x 480 (VGA)
Cell Size	7.4 x 7.4 $\mu\text{m}$
Frame Rate	90 fps (VGA)
Gain	Manual (0 to 18 dB, 0.1 dB steps)
Electronic Shutter	2 to 1/100,000 s
Binning	1 x 2.2 x 2
External Trigger Input	External Trigger shutter: Trigger start (shutter speed:2 to 1/50,000s),
External Trigger Input Voltage	Trigger start & exposure duration (4s max), Trigger inhibit function,
Trigger Delay Function	0 to 4s, 1 ms step
Strobe Delay to Start Exposure	Delay function: 0 to 4 ms, 1 $\mu\text{s}$ step
Lens Mount	C mount/CS mount switchable

## Processor Specifications

### Detail

CPU	x86 1 GHz, VIA Eden ULV (L1 caches 64KB x 2, L2 caches 128KB)
Memory	512 MB DDR2 SDRAM
Operating System	Windows XPE
<b>Interfaces Specifications</b>	
	<b>Detail</b>
Digital I/Os	Isolated IN (4), Isolated OUT (8)
Monitor Output	D-sub 15 pin for multi scan monitor
Network	Ethernet: 1000 Base-T/100 Base - TX/10 Base-T
Serial Interface	RS-232C
USB Port	Hi-speed USB (USB 2.0) x 2
<b>General Specifications</b>	
	<b>Detail</b>
Dimensions (W x H x D)	94 x 70 x 139.5 mm ( 3 3/4 x 2 7/8 x 4 1/2 inches)
Weight	760 g (1.7 oz)
Operating Temperature	-5 to +45° C (23 to 113° F)
Storage Temperature	-30 to +60° C (-22 to 140° F)
Operating Humidity	20 to 80% non condensing
Storage Humidity	20 to 95% non condensing
Vibration Resistance	10 G (20 to 200 Hz)
Power Requirements	DC 10.5 to 26.4 V
Power Consumption	17.4 W (Max.)
Shock Resistance	70 G

## Resources

### Brochure

Description:	Release Date	Type/Size
XCISX100C_Final.pdf.pdf		pdf / 473K
IS-1212.pdf		pdf / 474K

### Product Brochure

Description:	Release Date	Type/Size
Intelligent Traffic Systems Product Brochure		pdf / 1,123K