# 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 µm |
| 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, 1µs 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 |
| **Interfaces Specifications** | **Detail** |
| 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 |
| **General Specifications** | **Detail** |
| 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 |