SMART CAMERA SMARTX-20 SERIES
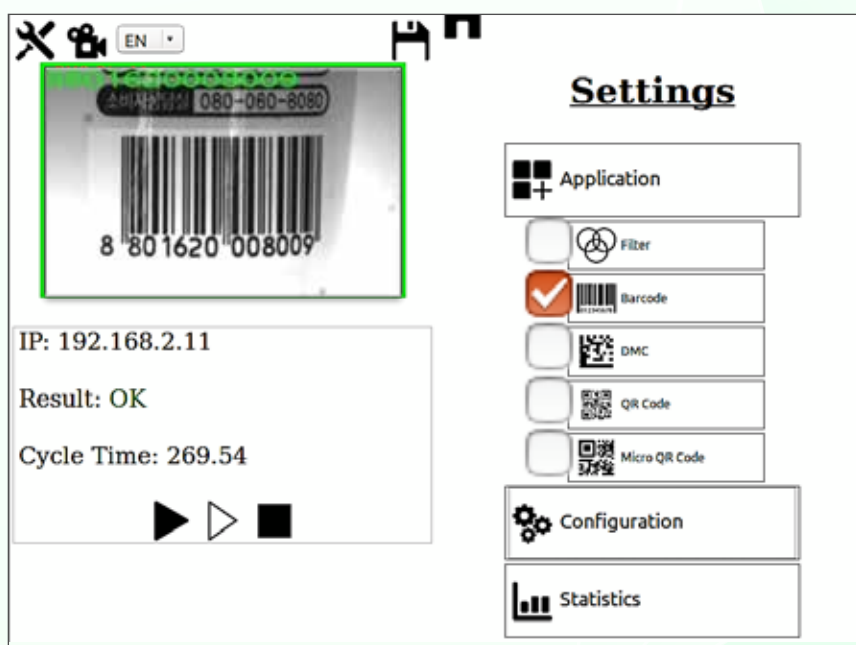
SmartX-20 Series, smart cameras with ulra small form factor, powerful processing capabilities and rich IO. With high performance ARM+FGPA architecture powered by ZYNQ™, SmartX-20 delivers great efficient image capturing and processing capabilities.

SMARTX -20 Series is standing out for compact machine vision systems and mobile robot platform in industrial automation areas because of its form factors, low-power consumption and flexible IO configurations.

Its designed powerful processing capability and open development environment make it also very suitable for traditional machine inspection and measurement.

Software Development

SMARTX-20N is equiped with CMOS/CCD sensor with global exposure in different resolution and a variety of industrial field-bus standard, such as CAN/RS485. Its software development environment is based on Eclipse open environment. Users are free to develop their own code and vision processing algorithms and application in this environment. At the same time, users are powered with using matured transplanted OpenCV/QT and other mainstream 3rd party vision libraries.
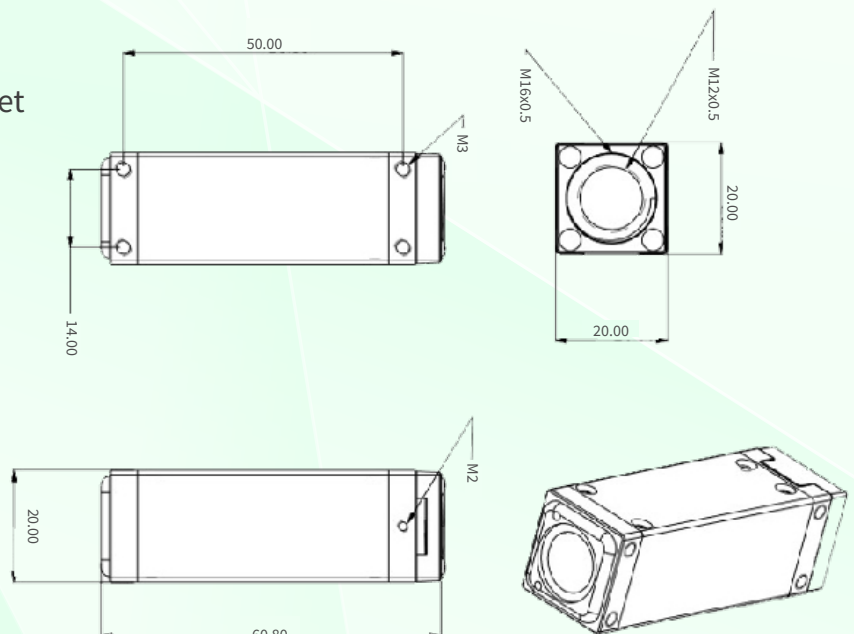
HARDWARE SPECIFICATION

Description	SmartX-20N Series	
Processor Type	ARM Cortex A9, 866MHz Duo-Core CPUs	
Memory/Storage	512 MB DDR3 RAM & 4GB Flash	
Image Sensor	0.3MP	1.3MP
Resolution	752 x 480	1280 x 960
Sensor Size	1 / 3" CMOS	1 / 3" CMOS
Frame Rate	90fps	45fps
Ethernet Port	10/100M	
Communication Port	TCP / UDP	
Isolated I/Os	2IN / 2OUT	
Lighting Control	Embedded Lighting	
Power Supply	9 to 30VDC, 1.5W	
Dimensions	20 x 20 x 60 mm	
Accessories	I/O Cable, Ethernet Cable, Breakout Connector	
Weight	50gm	

Key Features

o Small Form Factors (20 x 20 x 60mm)

o Low Power Consumption

o Up to 4 Programmable IO

o Industrial field bus CAN / RS485 / Ethernet

o Up to 1G ARM-Cortex A9

o Up to 1GB DDR3

o Up to 16GB FLASH

o Flexible Triggering

o Build-in LED Driver

o Linux/OpenCV/3rd Image Libraries

Mechanical Specification

The mounting holes in the 4 sides of camera.
The size of mounting thread is M3.

CONTACT US

Corporate Headquarter (Singapore)
Inspiraz Technology Pte Ltd
Blk 19, Kallang Avenue #06-163, Singapore 339410

www.vizcam.net   +65 6297 0880   sales@inspiraz.com

China Headquarter (Shanghai)
启毅视觉科技(上海)有限公司
上海市静安区梅园路 228 号
(企业广场) 2618 室

China Office (Shenzhen)
深圳市南山区桃园路 1号
西海明珠大厦 F 座 11 楼 C13

www.inspiraz.cn   +86 021 5299 0181   sales@inspiraz.cn

Korea Office (Seoul)
#1109, B Building 201
Songpa Gu Seoul, Korea 05854

www.vizcam.co.kr   +82 2 2264 2563~5   sales@vizcam.co.kr

VizCam™