

# SInC - 2MP / 4MP High Speed Industrial Camera

- ✓ CMOSIS CMV2000 or CMV4000 Rev3 CMOS 2 MP/4 MP sensor with electronic global shutter
- ✓ Color, monochrome or NIR CMOS sensor with 2/3" or 1" optical format providing a resolution up to 2048 x 2048 using 5.5x5.5  $\mu\text{m}^2$  pixels
- ✓ Up to 30 fps at 4 MP
- ✓ 1000BASE-T Ethernet IF
- ✓ 45 x 45 x 37 mm with 8 mounting points
- ✓ Locking Hirose GPIO connector for power, synchronization and 8 configurable GPIOs
- ✓ 256 MB DDR3 frame buffer (up to 1 GB)
- ✓ Region Of Interest (ROI)
- ✓ 10-bit pixel data
- ✓ SW compatible with Linux, Windows 8, 7, XP, Vista, 32 and 64-bit
- ✓ Shared library for Windows and Linux
- ✓ CE Certified



## Description

The SInC 2MP / 4MP Digital Camera is a compact and robust Ethernet camera. It is a high speed camera, capable of streams up to 4 MP @30fps. It is suited for industrial application demanding for quality images and reduced form factor camera.

The CMOS global shutter sensor, with 2/3" or 1" optical format, captures high quality images at high speed supported by a 256 Mbyte frame buffer expandable up to 1 Gbyte. It provides a resolution of up to 2048 x 2048 using 5.5x5.5  $\mu\text{m}^2$  pixels. Image acquisition can be synchronized by means of a hardware trigger.

The reduced form factor (45x45x37) allows an easy integration even in tight spaces.

Among GPIO there are two opto-isolated (one input and one output), four configurable bidirectional and one analog input.

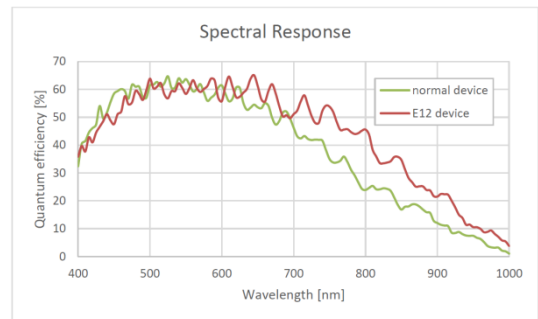
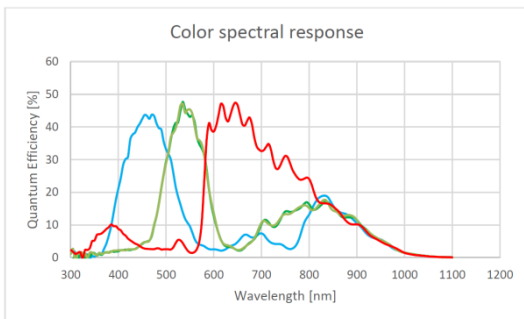
The SInC Digital Camera comes with a shared library allowing a simple integration in both Linux and Windows systems.

**Sanitas** *EG*  
DIGITAL SYSTEMS, RESEARCH AND INNOVATION

Sanitas EG  
Via Bassini 15  
20133 Milan - Italy  
Tel. +39 02 23 699 667  
[info@sanitaseg.it](mailto:info@sanitaseg.it)  
[www.sanitaseg.it](http://www.sanitaseg.it)

# Product Technical Specification

	SInC XMO4MP	SInC XMO2MP
CMOS sensor	CMOSIS CMV4000 4MP CMOS 1"	CMOSIS CMV2000 2MP CMOS 1"
Shutter	Global Shutter	
Frame Rate	30 fps @full resolution, 60 fps full HD	60 fps @full resolution
Max Pixel Depth	10 bit	
Pixel Size	5.5x5.5 $\mu\text{m}^2$	
Color/Mono	Color, Mono, NIR	
Frame Buffer Size	512 MByte	256 MByte
White Balance	Manual	
Exposure	Manual	
Ethernet Port	Gigabit Ethernet	
I/O	1 input opto-isolated, 1 output opto-isolated, 4 bidirectional, 1 analog input	
Power Consumption	< 4W Typ / 4.5W Max	
Power Supply	9-24Vdc	
Temperature Operating range	0°C / +50°C	
Storage Temperature Range	-20°C / +60°C	
Humidity	8-90% (no condensation)	
Size (Hmm x Lmm x Pmm)	45 x 45 x 37 mm	
Housing	Box or OEM	
Lens Mount	C-Mount	
Certification	CE	



Ordering code	Mono	Color	NIR
SInC XMO4MP	SInC XMO4MP-M	SInC XMO4MP-C	SInC XMO4MP-N
SInC XMO2MP	SInC XMO2MP-M	SInC XMO2MP-C	SInC XMO2MP-N