

CORSIGHT

Decentralized Smart Vision Solution

MACHINE VISION

TECHNICAL DATA

Matrix scan models	Sensor	Resolution [px]	Frames per second	Format	Shutter
CO4136M2	Monochrome	1280 x 1024 / SXGA	60	1/1.8"	global; rolling; global reset
CO4136IR2	Monochrome	1280 x 1024 / SXGA	60	1/1.8"	global; rolling; global reset
CO4136C2	Color	1280 x 1024 / SXGA	60	1/1.8"	global; rolling; global reset
CO4206M2	Monochrome	1600 x 1200 / UXGA	50	1/1.8"	global; rolling; global reset
CO4206C2	Color	1600 x 1200 / UXGA	50	1/1.8"	global; rolling; global reset
CO2239M2	Monochrome	1920 x 1200 / WUXGA	60	1/1.2"	global
CO2239C2	Color	1920 x 1200 / WUXGA	60	1/1.2"	global
CO1503M2	Monochrome	2592 x 1944 / QSXGA	14	1/2.5"	rolling; global reset
CO1503C2	Color	2592 x 1944 / QSXGA	14	1/2.5"	rolling; global reset

Line scan models	Sensor	Pixel count	Pixel size [µm]	Line scan rate [kHz]	Sensor length [mm]
COL6270M2	Monochrome	2048	7.00 x 7.00	66	14.33
COL6435M2	Monochrome	4096	3.50 x 3.50	33	14.33

IMAGE PROCESSING

CPU	Intel Atom E3845, Quad Core 1.91 GHz
RAM	4 GB DDR3-1333
SSD	16 GB
FPGA	Artix 7 -75 @150MHz via PCIe 2.0 x1
Supported operating systems	Windows Embedded Standard 7 CentOS 7, optional: RTOS
Supported image libraries	Adaptive Vision Studio, HALCON, VisionPro, OpenCV, MATLAB, MIL, Common Vision Blox

INTERFACES

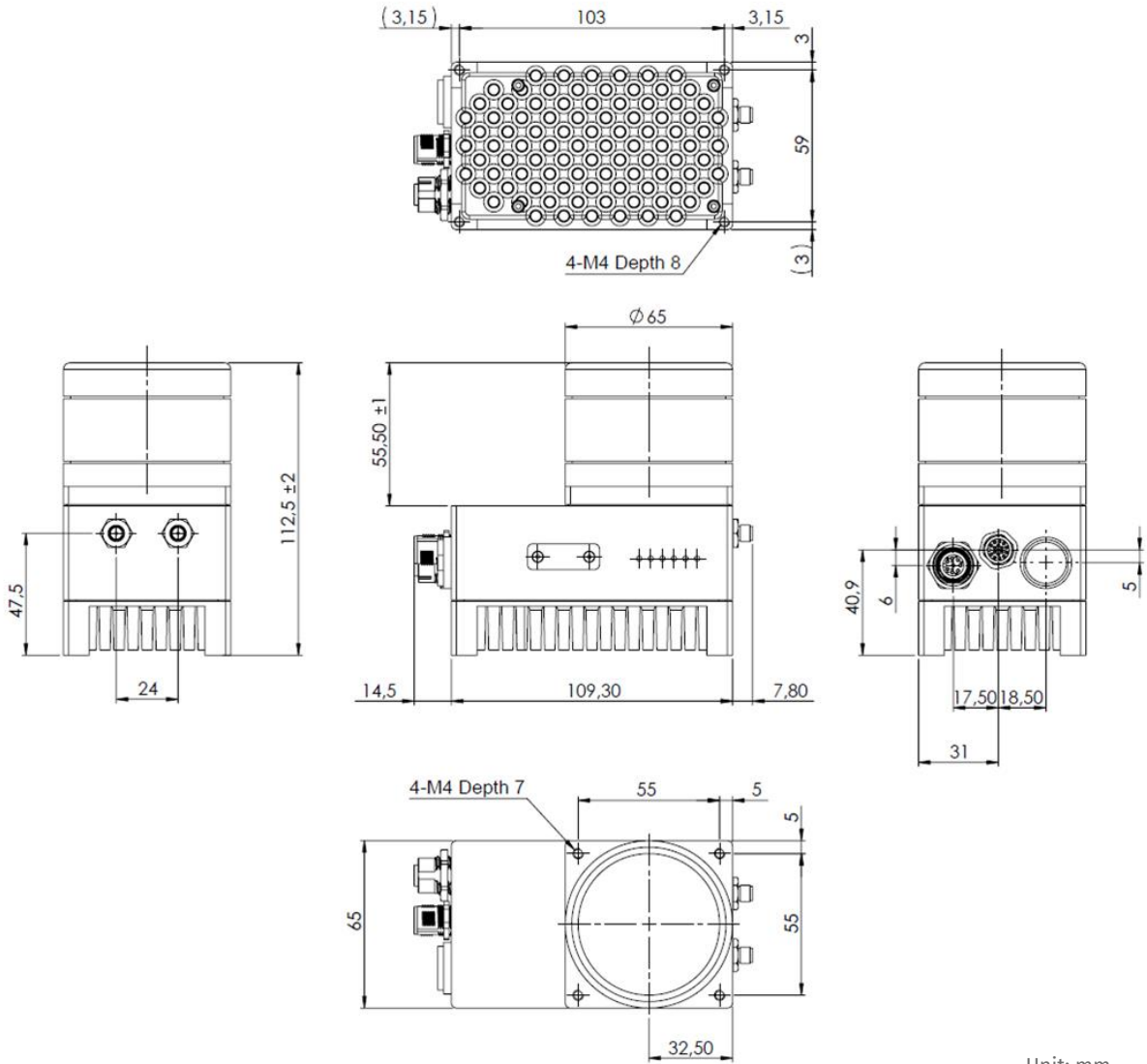
Networking	Gigabit Ethernet, Wi-Fi, Bluetooth, GSM (optional)
Digital input / output	4x optocoupled (max. 100KHz), 1x TTL (max. 10MHz)
USB	1x USB 2.0
Serial	1x RS232
Display	DisplayPort 1.1
SD card	Micro SD HC

Technical Datasheet

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LAYOUT



Lens mount	C
Strobe Ring	integrated strobe ring with a dedicated control interface (optional)
Dimensions (WxHxD) [mm]	65 x 109 x 73
Housing	IP67

Weight [g]	516
Power consumption [W]	24 VDC +/- 10%, 18W or PoE+
Operating temperature [°C]	0 to +50
Certification	CE, FCC