



TECHNICAL DATA

Model	Sensor type	Image sensor	Resolution [px]	Format	Pixel size [µm]	Frames per second	Shutter
IA2009M	monochrome	IMX287	728 x 544	1/2.9"	6.9	280	global
IA2009C	color	IMX287	728 x 544	1/2.9"	6.9	280	global
IA2107M	monochrome	IMX273	1456 x 1088	1/2.9"	3.45	150	global
IA2107C	color	IMX273	1456 x 1088	1/2.9"	3.45	150	global
IA2305M	monochrome	IMX252	2048 x 1536	1/1.8"	3.45	65	global
IA2305C	color	IMX252	2048 x 1536	1/1.8"	3.45	65	global
IA2312M	monochrome	IMX265	2048 x 1536	1/1.8"	3.45	53	global
IA2312C	color	IMX265	2048 x 1536	1/1.8"	3.45	53	global
IA2504M	monochrome	IMX250	2448 x 2048	2/3"	3.45	65	global
IA2504C	color	IMX250	2448 x 2048	2/3"	3.45	65	global
IA2511M	monochrome	IMX264	2448 x 2048	2/3"	3.45	34	global
IA2511C	color	IMX264	2448 x 2048	2/3"	3.45	34	global
IA1503M	monochrome	AR0521	2592 x 1944	1/2.5"	2.2	67	rolling
IA1503C	color	AR0521	2592 x 1944	1/2.5"	2.2	67	rolling
IA1513IR	monochrome / NIR	AR0522	2592 x 1944	1/2.5"	2.2	67	rolling
IA21202M	monochrome	IMX226	4072 x 3046	1/1.7"	1.85	41	rolling
IA21202C	color	IMX226	4072 x 3046	1/1.7"	1.85	41	rolling

IMAGE PROCESSING

CPU	Zynq Ultrascale+02/+05 / MPSoCs Quad Core ARM, max. 1,5 GHz Cortex A53 MR CORE	
RAM	2 GB DDR4 x64	2 – 16 GB DDR4 x16
eMMC	8 GB	8 – 64 GB
FPGA	ZU+02	ZU+05
Operating system	Xilinx Linux (Petalinux, Yocto)	
Image libraries	Xilinx Vitis United Software Platform HALCON, MIL (Matrox Imaging Library), Zebra Aurora™ Vision Studio, OpenCV	
Internal sensor interface	GenICam (SynView SDK)	

INTERFACES

Networking	Gigabit Ethernet, GigE Vision (GenICam)
Optional	DisplayPort, Fieldbus LAN, RS232, USB3.0
Digital input /output	4x input 3x output incl. strobe, trigger

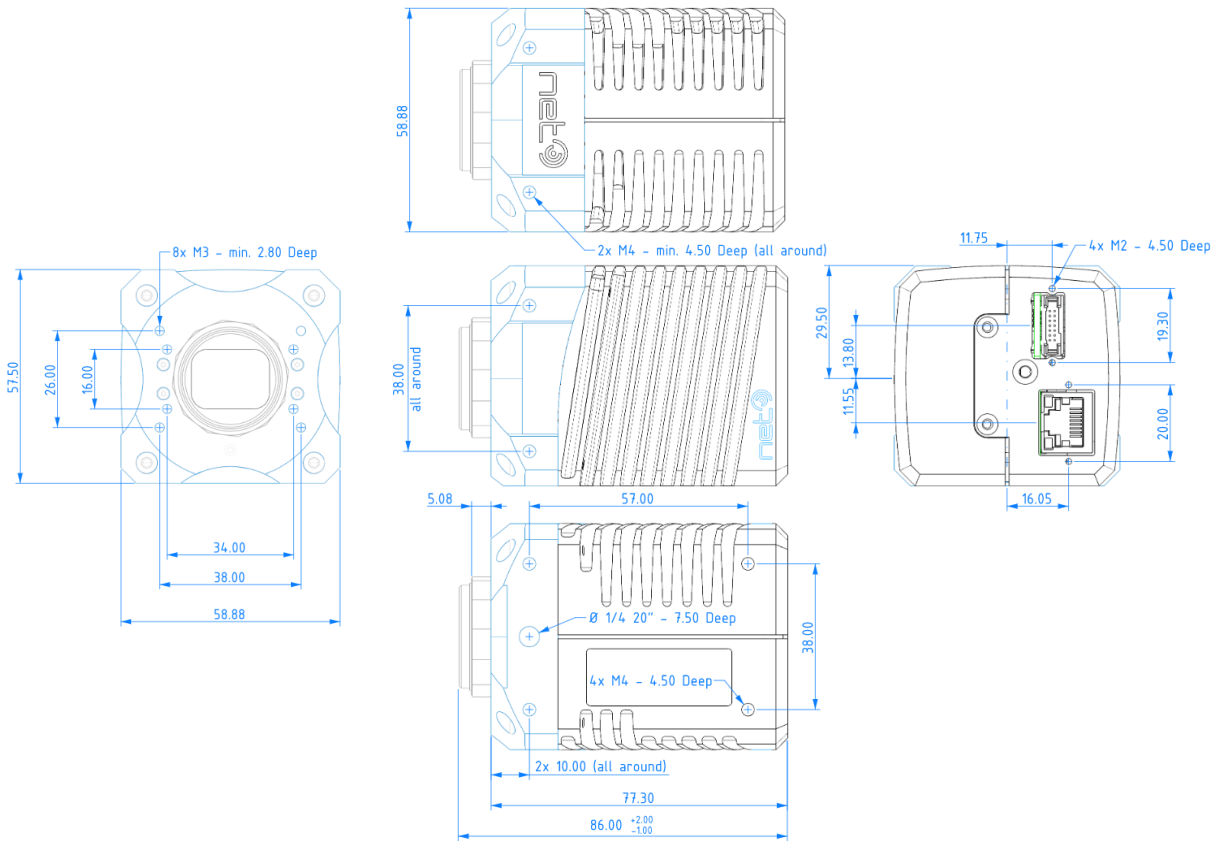
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Integrated Smart Vision System



MACHINE VISION

LAYOUT



Unit: mm

Lens mount	C, S / M12, F, M42
Dimensions (WxHxD) [mm]	59 x 57.5 x 77 (excl. front piece)
Weight [g]	~400
Power supply	24V or PoE
Power consumption	<15W
Operating temperature [°C]	0 to +50
Certification	CE, FCC