Vision & Control GmbH
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Machine vision platform - vicosys 6300

Short description: Machine vision platform for control cabinets, image processing software included

Order number: 4-21-185

EAN: 4251692615041

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Technical data

Performance Data	
Processor	Intel Core i3-9100TE 6 MB Cache, up to 3.20 GHz
Main memory	8 GB, DDR4, 2400MHz
Compact Flash	32 GB (of which approx. 3 GB are reserved)
Camera Interface	
Basic device	1 x GigE (no PoE)
Expansion card (optional)	4 x GigE (PoE)
Currently supported cameras	see 'Product finder for cameras'
Process Interface	
Expansion card (optional)	16 IN / 16 OUT (PNP) 16 IN / 16 OUT (NPN) PROFINET
Further Interfaces	
Ethernet	1 x Ethernet 10/100/1000 Mbit LAN 1 x Ethernet 10/100/1000 Mbit internal camera interface or direct connection
USB	6 x USB 3,1 2 x USB 3,0
RS232	2 x RS232 for process communication and data transfer
Software	
Parameterization	vcwin
Operation	webHMI
General Data	
Power requirements	12 V ... 34 V DC via external power supply
Power consumption	32 W Basic Device max. 116 W Basic Device with camera card and process interface
Dimensions	192 mm x 123 mm x 230 mm

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Weight	approx. 4.8 kg
Degree of protection (IP)	IP20
Safety class	Class III, safety extra low voltage (SELV)
Operating temperature	10 °C ... 40 °C

Notices

The vicosys® platform can be extended by optional software as well as optional components. The Device is assembled and configured by the manufacturer according to the selected components. User software vcwin, firmware, update sticks and device description files are available in the Download Area.

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Accessories for Machine vision platform - vicosys 6300

Order number	Title	Description
Terminal Board		
4-40-288	Terminal Board DIN-50S-01	for digitale I/O card ADLINK, with 50-pin SCSI-II connector, for DIN rail mounting
4-40-269	WAGO transfer device D-Sub	for dig. I/O card ADDI DATA, D-Sub socket connector, mounting feet for TS 35
4-40-268	Terminal Board PX901-DG	for dig. I/O card ADDI DATA, D-Sub connection board with LEDs, for DIN rail mounting
I/O Cable		
4-40-289	I/O cable ACL-10250-1	for digitale I/O card ADLINK, 50-pin SCSI-II cable, 1m, for terminal board DIN-50S-01
4-40-267	I/O cable 1x D-Sub, 2m	for dig. I/O card ADDI DATA, 37-pin D-Sub female connector to open cable end
4-40-266	I/O cable 2x D-Sub 2m	for dig. I/O card ADDI DATA, 37-pin D-Sub female connector to 37-pin D-Sub male connector
4-40-273	I/O cable 1x D-Sub, 5m	for dig. I/O card ADDI DATA, 37-pin D-Sub female connector to open cable end
4-40-274	I/O cable 1x D-Sub, 10m	for dig. I/O card ADDI DATA, 37-pin D-Sub female connector to open cable end
Software		
4-20-210	Asynchronous processes	licence for vicosys, incl. installation
4-20-209	Thermal imaging functions	licence for vicosys, incl. installation
3-90-032	HALCON	HALCON bundle license, installation und dongle incl., runtime progress
3-90-034	HALCON DL	HALCON Deeplearning License, installation and dongle incl., runtime progress, bundle incl.
Expansion Cards		
4-21-178	Camera Interface 4 x GigE	4x 1G camera interface for GigE cameras, POE, for vicosys 6300 and 19001, PCIe
4-21-180	Camera Interface 2 x 10G	2x 10G POE Camera Interface for vicosys 6300 (front) and vicosys 19001 (rear)
4-21-171	Digital I/O Card ADLINK	I/O Card for vicosys 6300 and 19001, 16 In- and 16 Outputs, Open Collector (NPN)

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Order number	Title	Description
4-21-170	Digital I/O Card ADDI DATA	I/O Card for vicosys 6300 and 19001, 16 In- and 16 Outputs, Open Emitter (PNP)
4-21-191	EtherCAT-PCIe	EtherCAT Interface Card for vicosys 6300 (front) and vicosys 19001 (rear)
4-21-154	EtherCAT-mPCIe	EtherCAT Interface Card for vicosys 6300 installation in side slot
4-21-175	PROFINET-PCIe	Profinet Interface Card for vicosys 6300 (front) and vicosys 19001 (rear)
4-21-155	PROFINET-mPCIe	Profinet Interface Card for vicosys 6300 installation in side slot
Power supply		
4-40-218	Power supply 24V-120W-5A	for DIN rail mounting, without connection cable, type: SDR-120-24

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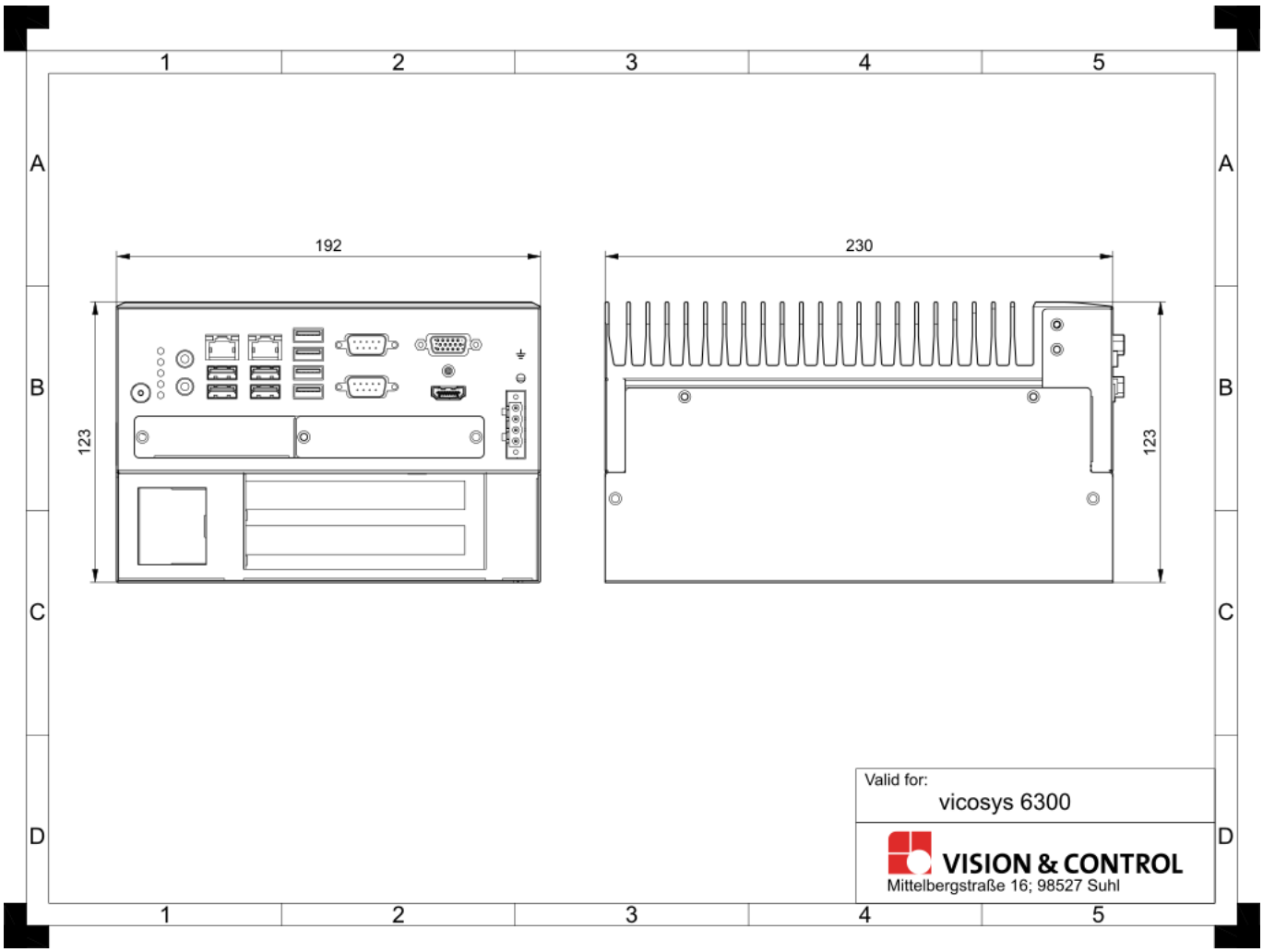
Drawings



Dimensional drawing in mm