

Machine Vision Controller

uniVision AI

MVCA001

Part Number



- Compact housing in 86 × 227 × 260 mm format
- Configurable uniVision software for evaluating images from machine vision cameras and height profiles from 2D/3D profile sensors
- Increase efficiency by connecting up to 16 devices simultaneously
- Wear and noise reduction thanks to passive, fanless cooling

The machine vision controller is a CPU for evaluating data from image processing products. Initial startup is also quick and easy with the pre-installed and powerful image processing software. A large number of interfaces are available for outputting results, allowing up to 16 devices to be connected simultaneously. Additional software modules can be added at any time using upgrade licenses.

Technical Data

Electrical Data

Supply Voltage	9...48 V DC
Current Consumption (U _b = 24 V)	< 5 A
Max. power loss	90 W
Temperature Range	0...45 °C
Number of Digital Inputs	8
Number of digital outputs	8
Number of USB 2.0 interfaces	2
Number of USB 3.0 interfaces	6
Number of CAM ports RJ45	4
Number of LAN ports RJ45	2
Number of display port interfaces	2
Number of VGA ports	1
Number of HDMI ports	1
Number of PS/2 ports	1
General protocols	Ethernet TCP/IP
General protocols	FTP
General protocols	UDP

Mechanical Data

Housing Material	Aluminum, anodised
Degree of Protection	IP40
Wall mounting	yes

Safety-relevant Data

MTTFd (EN ISO 13849-1)	42,4 a
Software	uniVision 3
License package	uniVision AI
Processor	Intel® Core i7
Clock Frequency	4,4 GHz
RAM	16 GB
Hard disk	128 GB SSD
AI capability	AI-ready (OpenVINO supported)

NPN NO

Switching outputs and digital inputs are galvanically isolated, output NPN.

Complementary Products

2D/3D Profile Sensors MSL/MLWL
BBVK/BBZK machine vision camera
EHSS001 Switch
Key Pad Z0044
Machine vision controller license upgrade
Monitor ZNNG026
Software

