

Machine Vision Controller

uniVision Robotics

MVCV001

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, fan-less 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. The uniVision Robotics license upgrade expands the functional scope of the machine vision controller (MVC) software to interfaces for robotic weld seam tracking and robotic vision. This enables the MVC and robots to communicate directly.

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 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 Robotics
Processor	Intel® Core i7
Clock Frequency	4,4 GHz
RAM	16 GB
Hard disk	128 GB SSD

NPN NO

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

Complementary Products

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

