Control Unit
uniVision Profile Extended, Industrial Ethernet

BB1C102
Part Number

- **Compact housing in 85 × 188 × 226 mm format**
- **Configurable uniVision software for evaluating height profiles from 2D/3D profile sensors**
- **Control unit with pre-installed VisionApp 360 and uniVision Profile software**
- **Wear and noise reduction thanks to passive, fan-less cooling**

The control unit is a CPU for evaluating data from image processing products. Its compact design ensures the necessary flexibility for easy, space-saving installation, for example in a control cabinet or on a wall. Quick initial start-up is made possible by the pre-installed software. Various standard interfaces are available for the output of results. An extensive range of optional accessories is also available including monitor, keyboard and switch.

Technical Data

Electrical Data	
Supply Voltage	18...36 V DC
Current Consumption (Ub = 24 V)	< 2,2 A
Temperature Range	0...40 °C
Switching Output Voltage Drop	< 2,5 V
PNP Switching Output/Switching Current	100 mA
Electrical Isolation	yes
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Number of Switching Outputs	8
Number of Digital Inputs	8
Number of RJ45 Industrial Ethernet ports	2
Number of USB 2.0 interfaces	2
Number of USB 3.0 interfaces	2
Number of Gigabit Ethernet RJ45	2
Number of DVI ports	1
Number of display port interfaces	1
Number of VGA ports	1
Protection Class	III
Mechanical Data	
Housing Material	Metal
Degree of Protection	IP50
Wall mounting	yes
Function	
Combined height profile	yes
Profile analysis	yes
Software	uniVision Profile Extended
Processor	Intel® Core i7
Clock Frequency	2,3 GHz
RAM	8 GB
Hard disk	250 GB SSD

Ethernet	●
PROFINET-I/O, CC-C	●
EtherNet/IP™	●
Digital I/O	●
USB Interface	●
DVI-D port	●
VGA Connection	●
Display port connection	●
Suitable Mounting Technology No.	521

Complementary Products

2D/3D Profile Sensors MLSL/MLWL
Control unit license upgrade
Key Pad Z0044
Monitor ZNNG026
Software
Switch EHSS001

Machine Vision Controllers

All dimensions in mm (1 mm = 0.03937 Inch)

Ø 10
5,5
18
8
8
20
195,5
188
20,7
266
302
226
15,7
34
20,2
4,8
60
85

UK CA   C E   ⬦ III   c(UL)us LISTED
IND. CONT. EQ
72HL / E169727
For use in class 2 circuits