

B50R110

weQubeOCR

Part Number



- MultiCore technology
- OCR reading

The OCR reader is based on the wenglor MultiCore technology and reads up to 100 characters simultaneously. The functions region of interest and tracking are available for improved plain text reading. Reliable reading, comparing and good/bad-evaluation of various characters and symbols are easily possible.

Technical Data

Optical Data

Lens thread	C-Mount
Resolution	736 x 480 Pixel
Image Chip	monochrome
Image chip size	1/3"
Pixel Size	6 x 6 μ m
Service Life (T = +25 °C)	100000 h
Frame Rate	25 Hz

Electrical Data

Supply Voltage	18...30 V DC
Current Consumption (Ub = 24 V)	< 200 mA
Response Time	40 ms
Temperature Range	-25...55 °C*
Inputs/Outputs	6
Switching Output Voltage Drop	< 2,5 V
Switching Output/Switching Current	100 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Interface	RS-232/Ethernet
Protection Class	III

Mechanical Data

Setting Method	Ethernet
Housing Material	Aluminum
Degree of Protection	IP67
Connection	M12 x 1; 12-pin
Type of Connection Ethernet	M12 x 1; 8-pin, X-cod.

Safety-relevant Data

MTTFd (EN ISO 13849-1)	263,03 a
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Function

OCR	yes
Tracking	yes
Web server	yes
Configurable as PNP/NPN/Push-Pull	●
Switchable to NC/NO	●
Illumination Output	●
RS-232 Interface	●
Ethernet	●
PROFINET I/O, CC-A	●
EtherNet/IP™	●

Connection Diagram No.

002 | 1008

Control Panel No.

X2

Suitable Connection Equipment No.

50 | 87

Suitable Mounting Technology No.

560

Display brightness may decrease with age. This does not result in any impairment of the sensor function.

* -25 °C: Ambient conditions should not result in condensation; avoid the formation of ice on the front panel!

55 °C: Continuous illumination at max. 1% or flash mode at 100% brightness with an exposure time of ≤ 5 ms; may affect the service life of the product.

Complementary Products

Fieldbus Gateway ZAGxxxN01, EPGG001

Illumination Technology

Lens

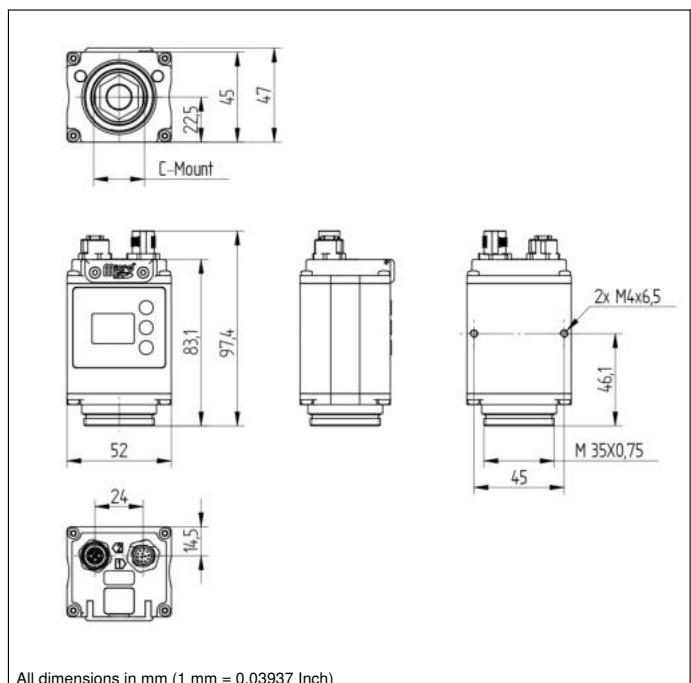
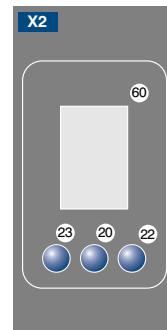
License Upgrade, weQube Pattern Matching DNNL006

Protective Housing ZSZ-0x-01

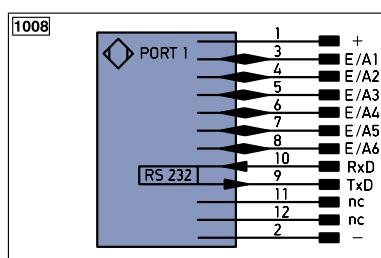
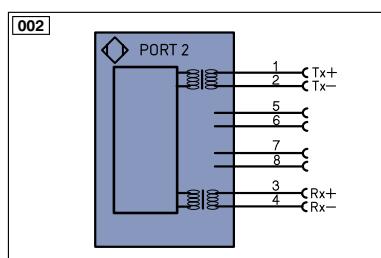
Software

weQubeDecode License Upgrade DNNL002

weQubeVision License Upgrade DNNL001


Ctrl. Panel


20 = Enter Button
22 = UP Button
23 = Down Button
60 = Display


Legend

PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ü	Test Input inverted
W	Trigger Input
W-	Ground for the Trigger Input
O	Analog Output
O-	Ground for the Analog Output
BZ	Block Discharge
Awv	Valve Output
a	Valve Control Output +
b	Valve Control Output 0 V
SY	Synchronization
SY-	Ground for the Synchronization
E+	Receiver-Line
S+	Emitter-Line
±	Grounding
SnR	Switching Distance Reduction
Rx+/-	Ethernet Receive Path
Tx+/-	Ethernet Send Path
Bus	Interfaces-Bus A(+)/B(-)
La	Emitted Light disengageable
Mag	Magnet activation
RES	Input confirmation
EDM	Contactor Monitoring

EN _{ARS422}	Encoder A/Ä (TTL)
EN _{BRS422}	Encoder B/ß (TTL)
ENA	Encoder A
ENB	Encoder B
AMIN	Digital output MIN
AMAX	Digital output MAX
AOK	Digital output OK
SY IN	Synchronization IN
SY OUT	Synchronization OUT
OLT	Brightness output
M	Maintenance
rsv	reserved
Wire Colors according to IEC 60757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green/Yellow

