

IDC200.W06

Camera based multicode reader for 1D and 2D codes - Focal length 6 mm

Article number: 11704585

Overview

- Stationary code reader for reading and checking barcodes (1D) and matrix codes (2D) including GS1
- Parameterization in the web browser, no installation of software required
- Easy access via USB or industrial Ethernet
- Clear status information via integrated OLED display
- Simultaneous reading of multiple codes at once and checking against default value



Picture similar



Technical data

Supported Codes

1D codes	2/5 Industrial
	2/5 Interleaved
	Codabar
	Code 32 (converted from Code 39)
	Code 39
	Code 93
	Code 128
	EAN-8 Add-On 2
	EAN-8 Add-On 5
	EAN-8
	EAN-13 Add-On 2
	EAN-13 Add-On 5
	EAN-13
	GS1 DataBar Expanded Stacked
	GS1 DataBar Expanded
	GS1 DataBar Limited
	GS1 DataBar Omnidirectional
	GS1 DataBar Stacked Omnidirectional
	GS1 DataBar Stacked
	GS1 DataBar Truncated
	GS1-128
	MSI
	PharmaCode
	UPC-A Add-On 2
	UPC-A Add-On 5
	UPC-A
	UPC-E Add-On 2
	UPC-E Add-On 5
	UPC-E

Supported Codes

2D codes	Data Matrix ECC 200
	QR Code
	Micro QR Code
	PDF417
	Aztec Code
	DotCode
	GS1 DataMatrix
	GS1 QR Code
	GS1 Aztec Code
	GS1 DotCode

Optical properties

Reading distance (front edge)	50 ... 1000 mm
Field of View min.	41 x 25 mm
Field of View max.	649 x 405 mm
Min. modul size 1D	0.05 mm / 2 mil
Min. modul size 2D	0.1 mm / 4 mil
Decoding rate max.	40 codes per second at 1MP
Image sensor	CMOS-Sensor, monochrome, global Shutter
Resolution	1280 x 800 (1MP)
Focal length	6 mm
Focus	Electromechanical auto focus
Light source	LED illumination with 16 LED, 4 segments individually switchable

Display and controls

Indicator ring	4 RGB LED for pass / fail etc.
Pointer	Green (570 nm), approximate center of image
Display	OLED, 128 x 64 pixels, 0.96" with burn-in protection
Buttons	2 pcs qTeach buttons

IDC200.W06

Camera based multicode reader for 1D and 2D codes - Focal length 6 mm

Article number: 11704585

Technical data

Interfaces and connectors

Software / parametrisation	Integrated Webserver for parametrisation
Interface	Gigabit Ethernet, 3/3 digitale I/O, USB (Parametrisierung und HID)
Protocols	PROFINET (CC-A), TCP, USB-HID (virtual keyboard)

Electrical data

Voltage supply range +Vs	+ 24 VDC $\pm$ 20 % , reverse polarity protected
Power supply	Typ. 5.5 W (1.2 A max. at 24 V)
Electrical connection	M12, 12-pin, A-coded, male
Ethernet connection	1000-Mbit/s-Ethernet, M12, 8-pin, X-coded, socket
USB Connection	Type C (HID, parametrization)

Mechanical data

Dimensions (W x H x D)	50 mm x 52 mm x 50 mm
------------------------	-----------------------

Mechanical data

Weight	350 g
--------	-------

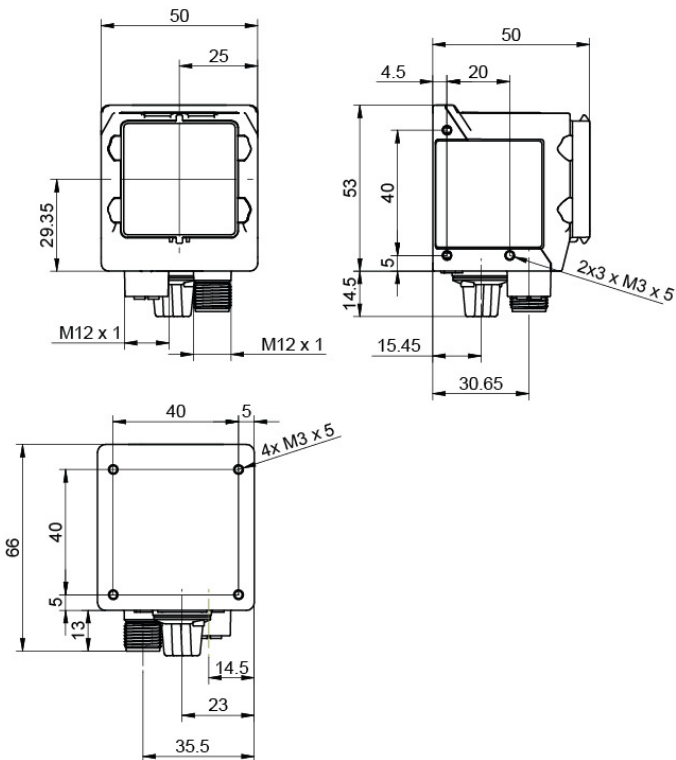
Ambient conditions

Ambient temperature	0 ... + 45 °C
Storage temperature	- 10 ... + 60 °C
Ambient humidity	0 ... 85 %
Protection class (IEC 60529)	IP67
Vibration (sinusoidal)	1 mm p-p at f = 10 - 55 Hz, duration 5 min per axis 30 min endurance at f = 55 Hz per axis IEC 60068-2-6:2008
Shock (semi-sinusoidal)	30 g / 11 ms, 6 jolts per axis and direction IEC 60068-2-27:2009

Conformity

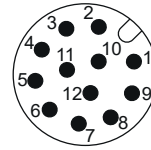
Conformity	CE
------------	----

Dimension drawing



Pin assignment

Electrical connection: Connector M12, 12-pin, A-coded



Pin	Signal
1	Power (+24 VDC $\pm$ 20%)/2L
2	Ground/2M
3	IN1 (Trigger)
4	IN2
5	IN3
6	OUT1
7	(not used)
8	OUT2
9	OUT3
10	(not used)
11	(not used)
12	(not used)

IDC200.W06

Camera based multicode reader for 1D and 2D codes - Focal length 6 mm

Article number: 11704585

Pin assignment

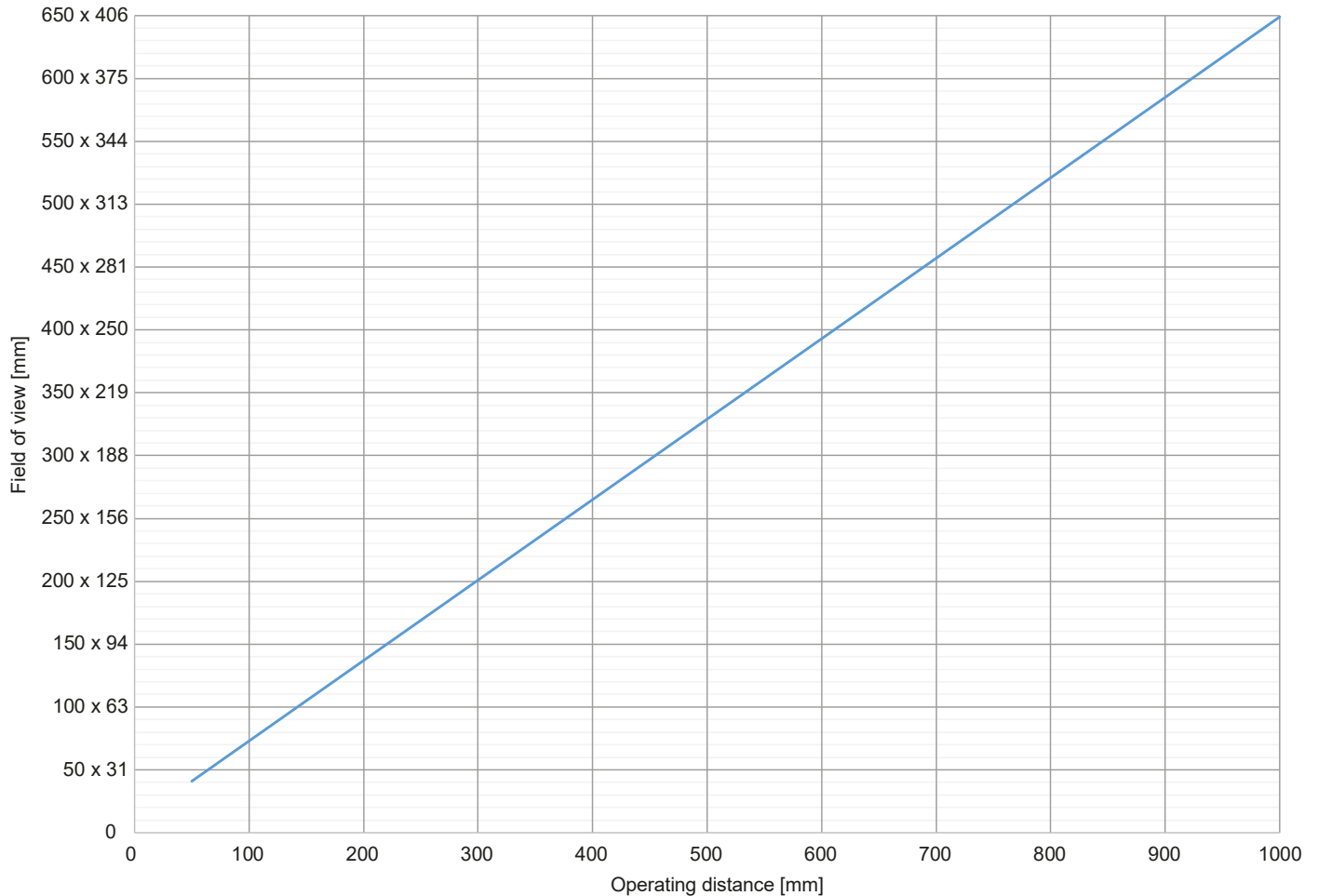
Ethernet connection: GigE, socket M12, 8-pin, X-coded



Pin	Signal
1	RX+
2	RX-
3	TX+
4	TX-
5	-VDC
6	-VDC
7	+VDC
8	+VDC

Diagrams

Field of view



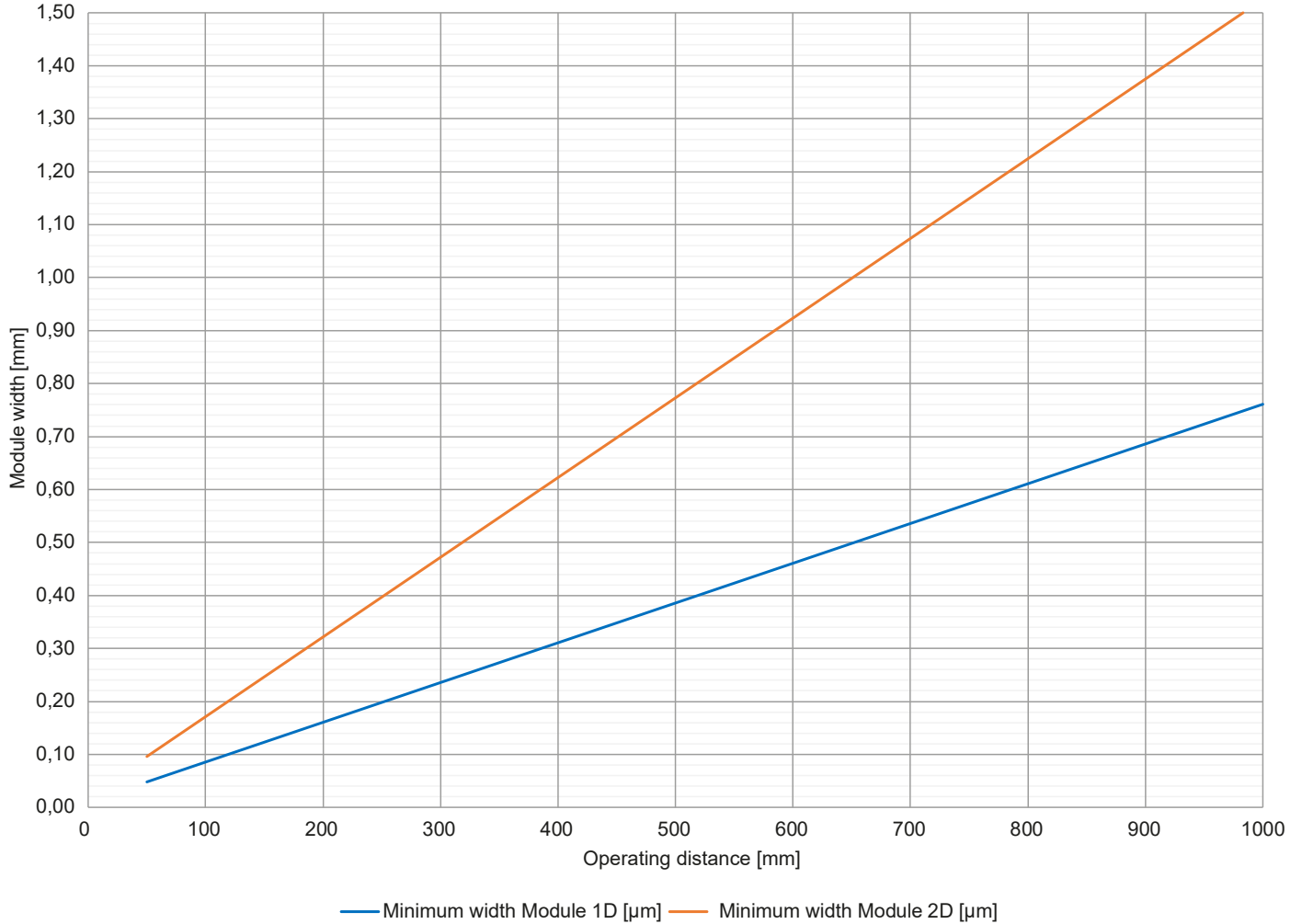
IDC200.W06

Camera based multicode reader for 1D and 2D codes - Focal length 6 mm

Article number: 11704585

Diagrams

Minimum module width



IDC200.W06

Camera based multicode reader for 1D and 2D codes - Focal length 6 mm

Article number: 11704585

Diagrams

Depth of focus at operation distance

