



System type IRS060-x55xxxx

ICR89x System

TRACK AND TRACE SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Model name	Part no.
System type IRS060-x55xxxx	On request

The exact device specifications and performance data of the product may deviate from the information provided here, and depend on the application in which the product is being used and the relevant customer specifications. Our regional sales organization will help you to select the optimum device configuration.

Other models and accessories → www.sick.de/ICR89x_System

Detailed technical data

Features

Camera type	ICR89x
Controller	MSC800
Illumination width	750 mm
Focus	Dynamic focus control
Read field width	600 mm
Read field height	600 mm
MTBF	80,000 h
MTTR	< 10 min
Image resolution	> 200 dpi (at 3.8 m/s)
Misalignment of the object	± 45°
Amount object sites/cameras	5-side reading (5 cameras)
Maximum amount object sites/cameras	Up to 6-side reading (16 cameras)
Conveyor type	Belt Crossbelt Roller Tilt tray Others on request
Typical conveyor height	500 mm ... 1,200 mm

Performance

Bar code types	Interleaved 2 of 5 Codabar Code 128 Code 39 EAN/UPC with add-on GS1-128 / EAN 128 Postal codes
Print ratio	2:1 ... 3:1
Minimum object distance	50 mm
2D code types	Data Matrix ECC200 MaxiCode QR code PDF417 Others on request
Number of objects per second	10

Mechanics/electronics

Dimensions system (L x W x H)	3,350 mm x 2,450 mm x 2,100 mm (height up to 2,800 mm, depends on the height of the conveyor)
Trigger	SICK WL18-3P430 ¹⁾
Encoder	SICK DFV60 ²⁾
Power consumption	Depends on the configuration

¹⁾ If supplied by SICK.

²⁾ 0.2 mm resolution (for belt conveyor only)

Ambient data

Bar code print contrast (PCS)	≤ 40 %
Ambient temperature operation	0 °C ... +50 °C
Ambient storage temperature	-20 °C ... +70 °C
Permissible relative humidity	95 %, non-condensing
Ambient light safety	2,000 lx, on code

Type code

Read field width ^{1) 2)}

60	600 mm
80	800 mm
100	1000 mm
120	1200 mm
140	1400 mm

Conveyor type

B	Belt
C	Cross belt
K	Chain conveyor
R	Roller conveyor
T	Till-tray sorter

Number of reading sites

1
2
3
4
5
6

Numer of cameras

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
F	16

Focussing

O	Fixfocus
M	MLG
V	VMSx10 (single-head)
W	VMSx20 (double-head)

Frame

C Customer frame

F SICK frame (including mechanical design)

Extension add. Components

0	Standard
1	Scale
2	OPS
3	RFID
4	Lector

Extension add. Special functions

0	Standard
1	LFT: MID/OIML
2	Image display
3	Remote: MPR or something like it

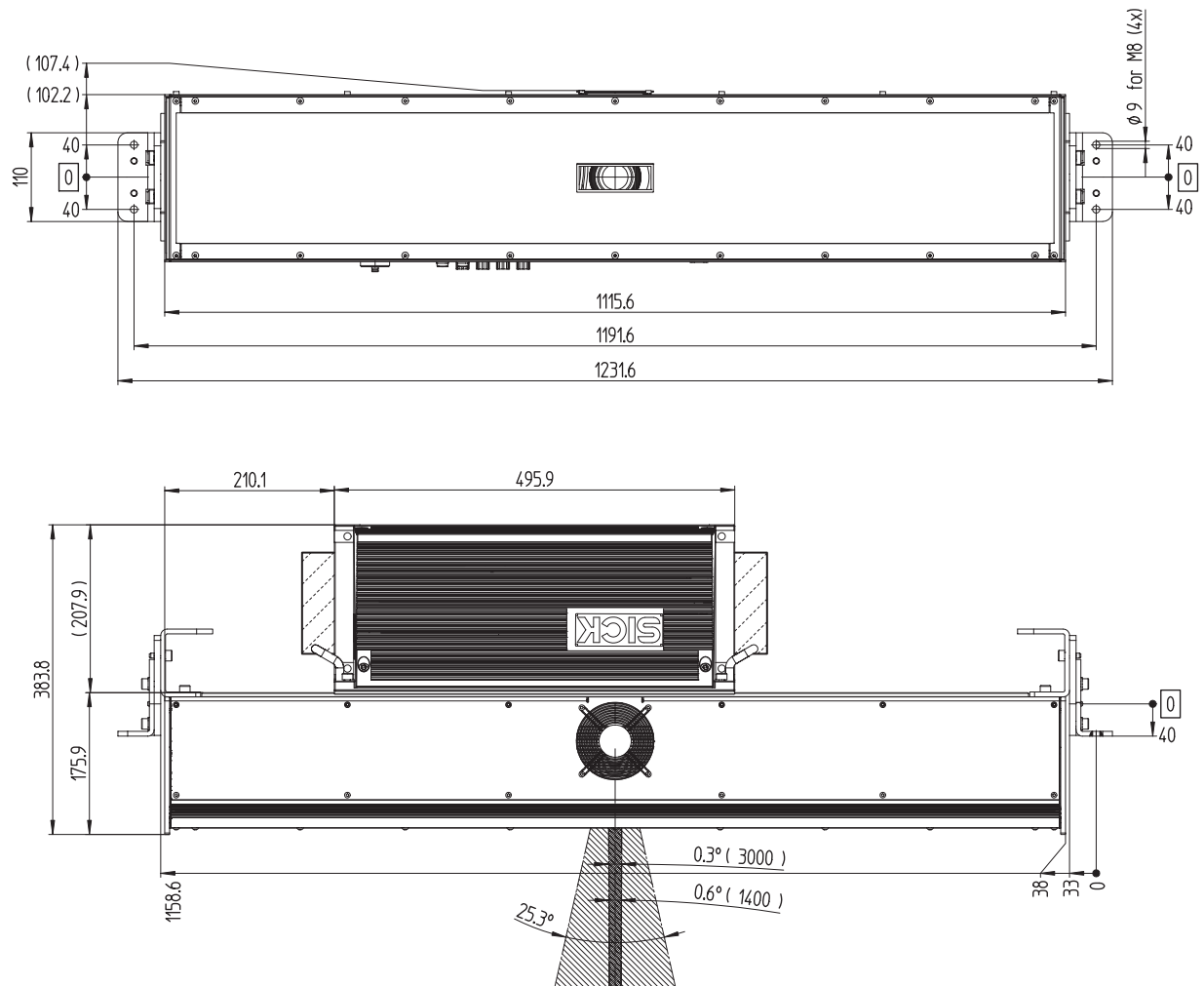
IRS -

¹⁾ Assignment read field width: the tolerance is max. 50mm, e. g. at 650 mm read field width will be still a 060, 651 mm would already be a 080 system.

²⁾ The step of the read field width is fixed at 200 mm.

Dimensional drawing (Dimensions in mm (inch))

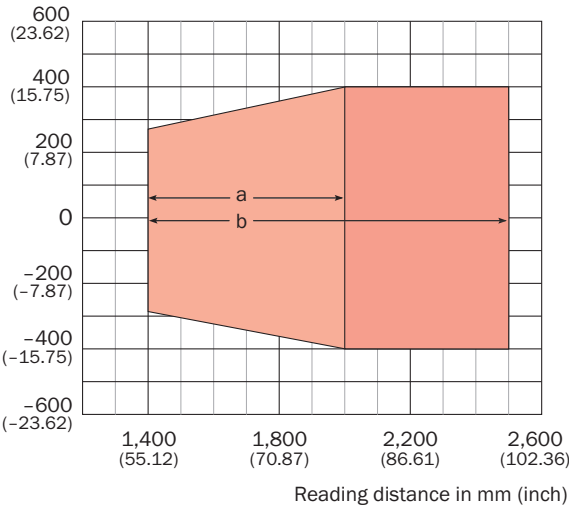
Camera ICR89x



Reading field diagram

Camera type ICD890 with illumination type ICI890 (900 mm)

Reading field height in mm (inch)



Resolution

- a: 0.15 mm (5.9 mil), 250 dpi
- b: 0.20 mm (7.9 mil), 200 dpi

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