



# 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](http://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

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

<sup>1)</sup> If supplied by SICK.

<sup>2)</sup> 0.2 mm resolution (for belt conveyor only)

### Ambient data

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

### Type code

#### Read field width <sup>1) 2)</sup>

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

#### Number 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

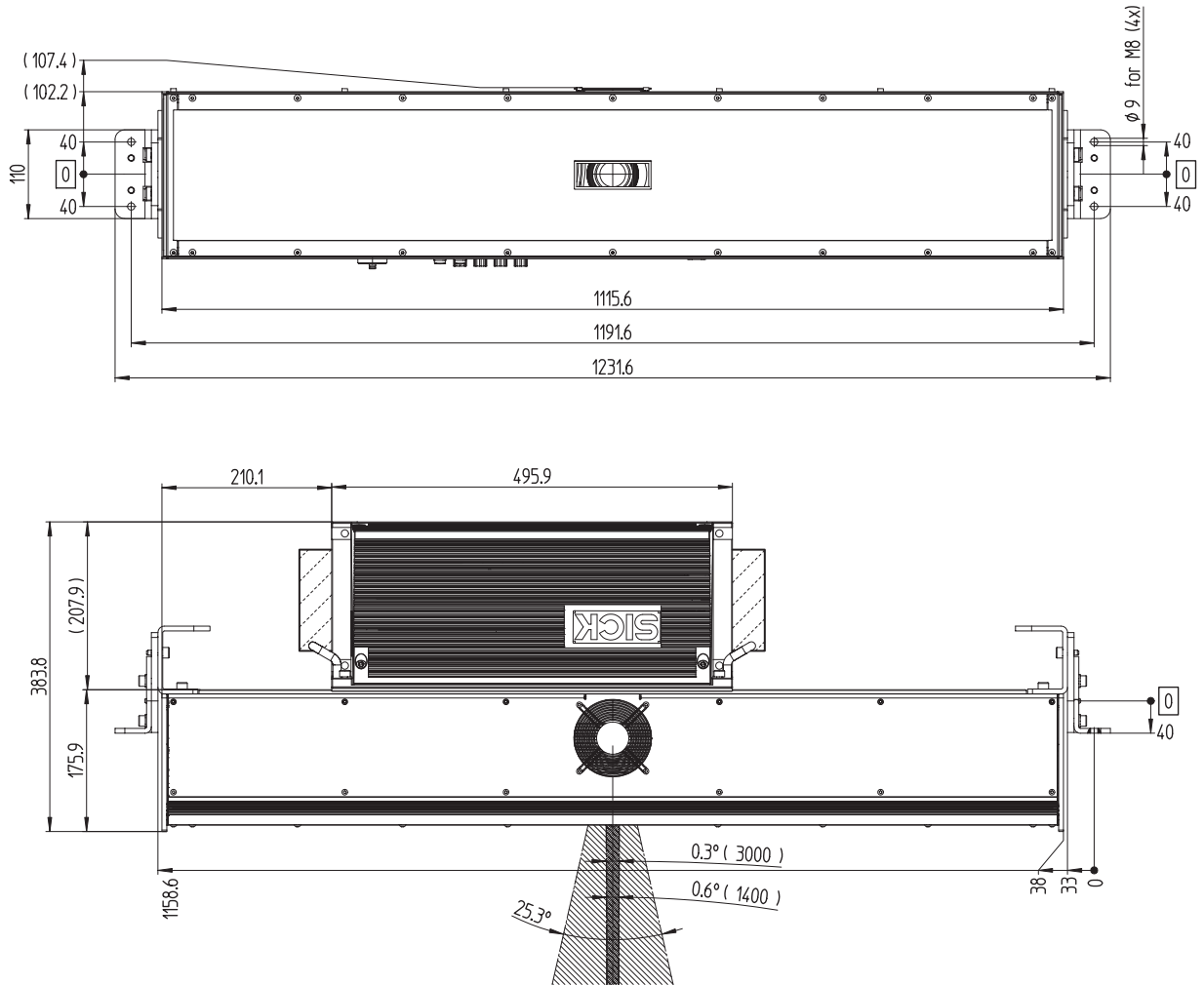
IRS -

<sup>1)</sup> 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.

<sup>2)</sup> The step of the read field width is fixed at 200 mm.

### Dimensional drawing (Dimensions in mm (inch))

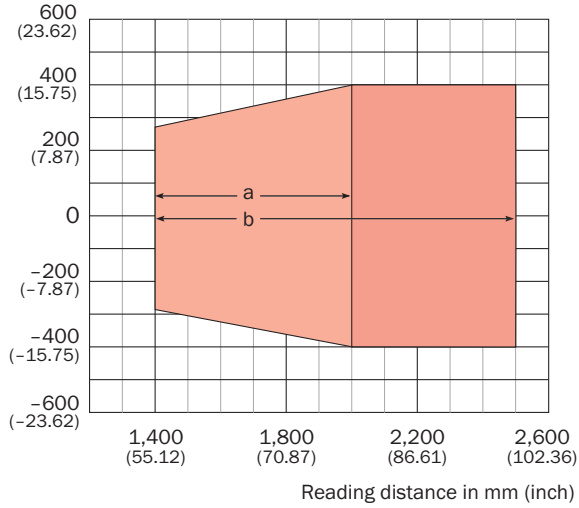
Camera ICR89x



### 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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