

## EVS 144 Imager

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The new EVS 144 imager has been especially developed for warehouse applications and mounting on forklift trucks, where long distance reading is required. The compact read head simplifies mounting in confined spaces.

The unit will read all common barcodes and 2D codes. It is based on latest matrix technology and can withstand the tough industrial environments of forklift truck applications, including the shock and vibration stresses.

The EVS 144 imager read-head has autofocus capabilities allowing it to read codes between 0,2 m up to 13 m.

The technology used in the EVS 144 imager provides extremely good reading capabilities. It has built in error correction.

The reader consists of a read head with an integrated lighting (no external lamp), a separate decoding unit and a robust Joystick controlled pan/tilt unit. The unit has a built in laser pointer for aiming.

The EVS 144 imager read-head can, depending on application, be used on existing EVS144 bar code readers after software update.

- \* Long reading distance (0,2 m up to 13 m depending on code density)
- \* Large depth of sharpness range
- \* Reads Bar code and 2D codes
- \* Built in laser pointer for aiming
- \* Omni-directional reading
- \* No external lamp needed

# EVS 144 Imager

## Ident System Sweden

Ident System is the leader in barcode and RFID logistic solutions.

A commitment to developing groundbreaking, industry-specific solutions has placed Ident System in the international forefront as a technology provider for innovation and as a complete solution provider in the paper, forestry and automotive industries.

For more information, please visit:  
[www.identsystem.com](http://www.identsystem.com)

## Technical Data

### Electrical data

Supply voltage:	9 ... 16 VDC
Power consumption:	16 W
Host interface:	RS 232, USB 2.0

### Mechanical data

Weight:	Read head incl. pan/tilt unit: 4,6 kg Decoder unit: 0,3 kg
Dimensions (l*w*h):	Read head incl. pan/tilt unit: 190 x 125 x 220 mm (inc. connectors) Decoder unit: 110 x 85 x 45 mm (inc. connectors)
Maximum cable length:	15 m (to decoder unit)

### Environmental conditions

Temperature range:	Read head: -30 ... +50 °C (operation) Decoder unit: 0 ... +40 °C (operation)
Protection class	Read head: IP65 Decoder unit: IP40
Humidity:	5 ... 95 % RH. non-condensing
Ambient light:	Works in any lighting condition from 1 to 100.000 lux
Laser Class 2 product:	(630 - 680 nm, 1,0 mW)

### Operating data

Code types 1D and stacked:	Codabar, Codablock, Code 11, Code 128, Code 39, Code 93/93i, EAN/UPC, GS1 Databar extended, GS1 Databar limited, GS1 Databar omni-directional, GS1 Databar stacked, Interleaved 2/5m Macro pdf, Matrix 2/5, MSI, PDF417, Plessey, Standard 2/5, Telepen, TLC39
Code types 2D:	Aztec, Datamatrix, GS1 Composite, Maxicode, QR code

Reading range at 200 lux:	Symbology	Density	Min distance	Max distance
	Code 39	0,5 mm	16 cm	330 cm
	Code 39	1 mm	38 cm	700 cm
	EAN 100%	0,33 mm	20 cm	200 cm
	Datamatrix 2D	1,4 mm		400 cm
	Datamatrix 2D	2,5 mm		800 cm

All values are specified at 20 °C, unless otherwise noted.

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PUB. 044  
 EVS144002  
 Issue. December 2016

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