

## EVS144 NG Camera Head



We will release a new read head EVS144NG in our range of EVS barcode scanners. The EVS144NG will be equipped with a state of the art camera module and have much higher performance than our previous models.

Features for the EVS144NG read head.

- Reading distance about 40% better compared to existing matrix camera
- Faster code reading
- Better auto-focus function with less moving parts
- Less sensitive to sun-light when working outdoor
- Prepared for -30 degrees in freeze houses or cold area
- IP67

The camera unit is compatible with our previous range of EVS144 Line and EVS144 Matrix for upgrade.

### EVS-system

	EVS144 Line	Evs144 Matrix	EVS144NG
Readingdistance	3-6 m	0,5-13 m	0,3-20 m
Light	Extern LED	built in (red)	Built in(white)
Autofocus	N/A	Yes	Yes (near/far)
2D codes	Not as standard	Yes	YES
Code contrast	min 30%	min 30%	min 25%



# EVS144 NG Camera Head

## 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 ... 30 VDC
Power consumption:	16 W
Host interface:	RS 232, USB 2.0

### Mechanical data

Weight: Read head:	0.7 kg
Decoder unit:	0,3 kg
Dimensions (l*w*h):	Read head inc mount bracket/connectors: 112 x 73 x 53 mm
Decoder unit:	110 x 85 x 45 mm (inc. connectors)
Maximum cable length:	15 m (to decoder unit)

### Environmental conditions

Temperature range:	Read head: -20 ... +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	0,5mm	16cm	330cm
	Code 39	1mm	38cm	700cm
	EAN 100%	0,33mm	20cm	200cm
	Datamatrix 2D	1,4mm		400cm
	Datamatrix 2D	2,5mm		800cm

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

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