



seelector ICAM drive
vision - recording - analysis - surveillance



The individual solution for
mobile surveillance

World class pictures with
unique dynamic range!



High Performance Camera with CMOS - Sensor

Your task:

Catching the most information...

...our service: world class pictures in detail!

The camera family **seelector/CAM** is designed to capture brightness and contrast in the finest detail, even under conditions of extreme illumination. What we like to see and record often extends over a very wide range of luminance intensities in one scene. Good lighting is not a requirement anymore for high quality pictures. Sensors with high dynamic range and resistance to blooming, combined with high-performance DSP systems produce crisp and clear pictures.

By introducing the **seelector/CAM drive**, **hema electronic** now presents a smart network camera that has been designed to catch movies and pictures of traffic scenes from the inside of vehicles.

The high dynamic range of **seelector/CAM drive** allows takes from headlight conditions into direct sun backlight, keeping every single detail. Every single frame is a perfect shot, even under fast changing conditions, such as driving into, or out of a tunnel into direct sunlight.

The camera is placed inside the car close to the rear-view mirror. Recording continuously into a ring buffer, it sends the recording to a data logger via Ethernet connection.

Software &

operation...

...easy and effective

- Data transfer, control and firmware updates via fast Ethernet using software or browser
- continuous recording into ring buffer
- size of ring buffer approx. 30 seconds
- trigger signal via Ethernet starts read out of ring buffer and JPEG compression
- automatic restart after readout
- life frame transfer to software or browser
- in-picture overlay of date and timestamp
- multi colour status led
- internal 10-bit raw format with output of 8-bit JPEG frames with adjustable compression ratio
- camera library for integration with data logger systems



Technical data and dynamic range

Specifications	seelector/ICAM drive
technology	CMOS
scanning	progressive
optical format	1/3"
resolution	640 x 480
pixel size	6 µm x 6 µm
image rate	10 - 30 fps
exposure time	min. 1 ms
frame rate	10/15 fps
shutter	global
dynamic range	100 dB
sensitivity	0,04 lux
data format	10-bit
trigger mode	extern, free run
output	640 x 480, 8-bit grey scale, jpg or stream
temperature range	- 35° to + 75°C
version	monochrome
voltage	6 - 15 V
power consumption	max. 5 W

Assembly and connectivity:

- lens standard: fixed focus lens
- horizontal angle of view 90°
- depth of focus 30 cm to infinite
- simple assembly to windshield via self-adhesive strips
- unobstrusive mounting close to rear-view mirror
- easy, residue — free removal
- sensor head is adaptable to the inclination of windshield
- default view: driver's view
- RJ45 socket as single connector
- only one cable for connection required
- power supply over Ethernet (6 - 15 V / max. 1 A)
- solid composite plastic case
- weight approx. 160 grams
- size: approx. 160 mm x 70 mm x 26 mm
- EN 60721-3-5 Class 5M3
- IP51

Outstanding dynamic range in action:

seelector/ICAM drive is a IP-camera with unique dynamic range, that never lets you down:



tunnel entrances
are perfectly displayed



dark situations
are perfectly displayed

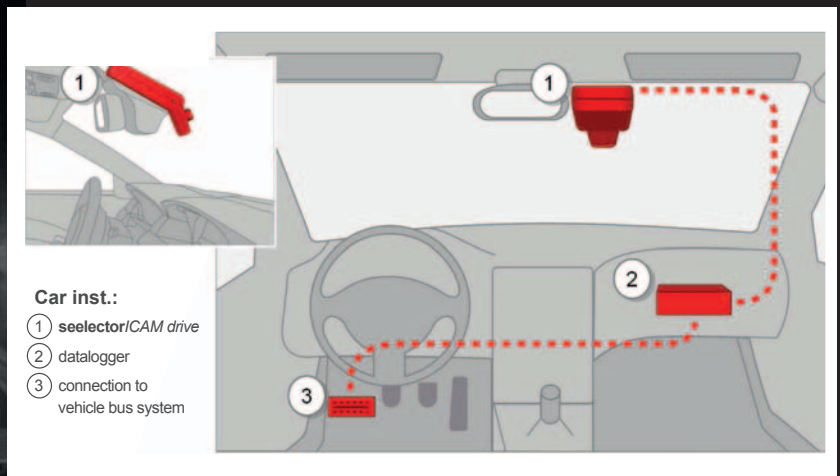


tunnel exits
are perfectly displayed



backlight situations
are perfectly displayed

High-dynamic video power for mobile applications



smart and sharp eyed:

- driving by day and night
- dazzle and glare
- direct sunlight
- reflections
- opposing traffic headlights
- tunnel passages

seelector/CAM drive
will show you every
scene in full detail!

highlights:

- stand alone video system
- easy to operate
- mounted inside the windshield
- convenient software package and user interface
- single cable connection including Ethernet and power supply
- best pictures by high dynamic range CMOS technology with a brightness range of approx. 100 dB

applications:

- automotive measurement technology with video
- documentation
- automotive testing
- police, fire brigade, ambulance and others
- private and public surveillance
- surveying tours
- cabs and driving schools
- logistics
- passenger surveillance
- drive recorders

Do you need a
camera for another
purpose?

Please contact us
regarding your
application!
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seelector/CAM drive 05/11 en
Subject to technical alterations!