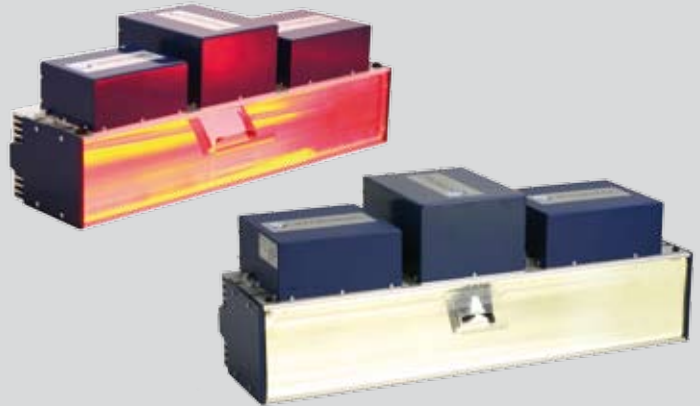


The smallest, lightest and most energy-efficient line scan camera available worldwide

Optimized for outstanding image quality at fastest conveyor speeds

The new VICAM^{ssi2} offers additional advantages :

- With red or white LED illumination
- Optimized for outstanding 170dpi image quality at high belt speeds of up to 4.5m/s (885fpm)
- Covers object widths of more than 1,200mm (~47")
- Achieves maximum barcode, 2-D code, and OCR (optical character recognition) read rates
- Compact and light weight design for easy transportation, install, and maintenance
- Lowest energy consumption in its class



VICAM^{ssi2} with red or white LED illumination.

Compact design

- Only 660mm (26in) wide: 455mm (18in) narrower than the smallest comparable solution worldwide
- Weighs just 18kg (39.7lbs): 12kg (26.5lbs) lighter than comparable solutions

Low energy consumption protects environment

- Energy consumption of max. 190W at red LEDs, of max. 220W at white LEDs including decoder
- The automatic stand-by mode drops the energy consumption to only 50W (incl. decoder) when no objects pass in front of the system
- Low energy consumption saves 50 percent compared to comparable solutions

New illumination unit

- New: red and white LEDs; additional reading of red codes/texts on white background, and black codes/texts on green/blue background
- White LEDs with the highest efficiency worldwide
- Consistent illumination of the image field
- Improved light efficiency

Compact and light camera system

The new VICAM^{ssi2} includes compact LED illumination, a high-resolution high-speed line scan camera, a compact power supply unit and, optionally, an integrated decoder for simple identification tasks as a stand-alone system.

Long-term experience

- Experience in logistics since 1994
- 7th generation of VICAM^{ssi2}
- More than 4,000 installed camera systems worldwide

Faster and more sensitive camera thanks to new CMOS sensor

- Highest light sensitivity and lowest noise for maximum read rates
- Highest line scan frequency for high resolution images (e.g. 170dpi at 4.5m/s (885 fpm))
- Lowest power consumption of the sensor (approx. 50% less than the best competing solution) leads to increased life-time and reduced noise

Integrated decoding unit for standardized reading

- Only one decoding unit is necessary for barcode/2-D reading and simple OCR tasks
- In the case of multi-sided and complex identification tasks, VITRONIC provides separate high performance PCs.

Self diagnostics

- The operating status of the camera unit is continuously monitored
- The factors influencing the lifespan of the unit are saved in files and read out during factory servicing, providing rapid analysis

Modular design

- Exchange VICAM^{ssi2} within 5 minutes
- Plug and Play
- No special tools are necessary
- The power supply unit, decoder or the camera module can be swapped within 2 minutes (two screws for each of them)

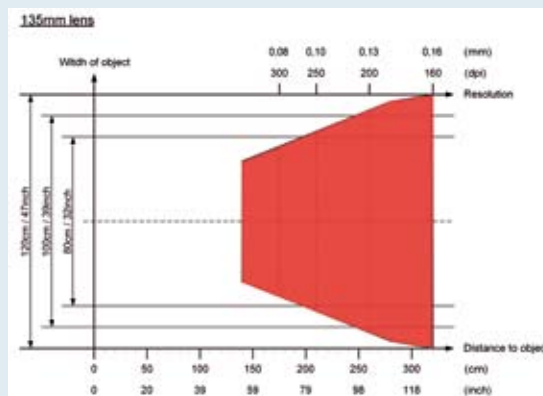
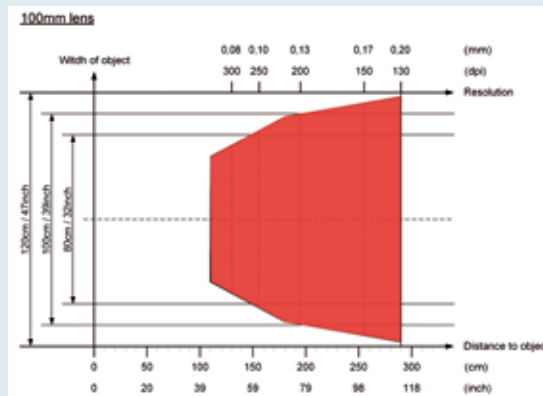
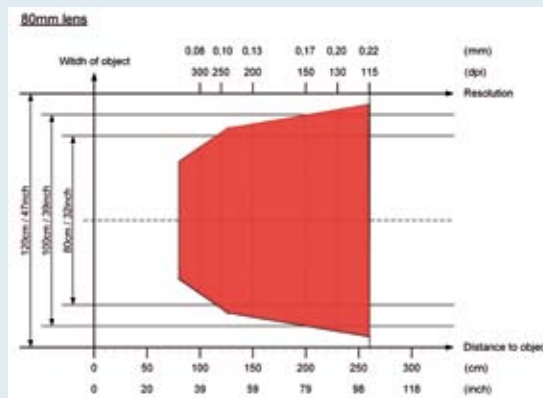
Highest availability

- MTBF with red LEDs more than 75,000h, with white LEDs more than 80,000h
- Active transient filtering against interference in industrial power supply systems up to +/- 4kV for highest reliability

The smallest, lightest and most energy-efficient line scan camera available worldwide

Performance VICAM ^{ssi2}	
Conveying speed	max. resolution
3.0m/s (590fpm)	255dpi
3.8m/s (748fpm)	200dpi
4.5m/s (885fpm)	170dpi

Reading field (red) with different lenses



Technical Data	
Mechanical Data	
Dimensions (width x depth x height)	660mm x 240mm x 334mm 26.0in x 9.5in x 13.2in
Weight	16kg/35.3lbs. (18kg/39.7lbs. incl. decoder)
Fixing	profile groove (compatible with Bosch profile system)
VICAM^{ssi2}	
Conveyor speed	Up to 4.5m/s (885fpm) at 170dpi
MTBF	red LED: > 75.000h white LED: > 80.000h
MTTR	< 5 min.
Image width max.	1200mm / 47.3in
Range of power supply	115 to 230VAC (+/- 20%), 50to 60Hz
Input power	red LED: max. 200W (230W with decoder) white LED: max. 190W (220W with decoder)
Camera unit	
CMOS sensor	LSC-AF (Line Scan Camera Auto Focus)
Line frequency	line scan camera, 8k
Pixel frequency	30kHz
Focal length	250MHz
	80mm / 100mm / 135mm 3.2in / 4.0in / 5.4in
Illumination unit	
	LEDI-AF (LED Illumination Auto Focus)
Colour attributes	red: 640nm wave length white: 4100K colour temperature
LED class	1 (eye-safe)
Power supply unit	PSM (Power Supply Module)
Range of power supply	115VAC, 230VAC
Input power	max. 240W
Degree of efficiency	92% at 115VAC, 93% at 230VAC
Interference impulses (according to EN61000-6-2)	standard is overfulfilled with +/- 4kV
Features	active transient filter; intelligent inrush current limiter; managed by a microcontroller
Decoder unit	
Processor	MHPC (Mini HookUp PC)
RAM	Pentium Core 2 Duo 1.6GHz
Memory	2 Gigabyte
	SSD 16GByte (32 GByte, optionally)
Environmental conditions	
Ambient temperatures	+32°F to +140°F / 0°C bis +60°C (without decoder) +32°F to +122°F / 0°C bis +50°C (with decoder)
Storage temperatures	+14°F to +140°F / -10°C to +60°C
Humidity	10 to 95 %, non-condensing
Protection class	IP 54