

VIPAC R1 basis

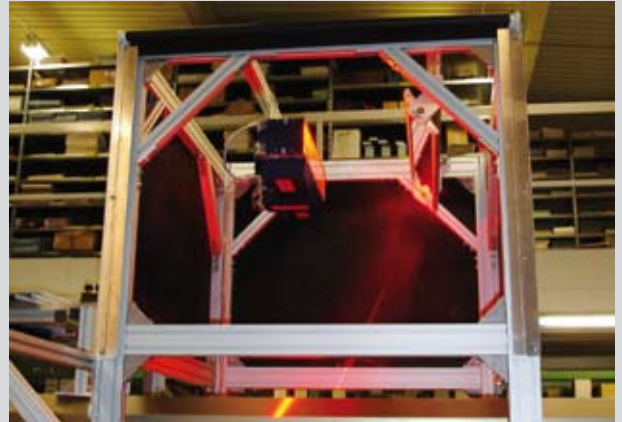
Compact, camera-based identification system for barcodes on one side



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The basis system VIPAC R1

- offers maximum read rates - as proven in numerous tests
- reads barcodes and optionally 2-D codes or characters (OCR)
- reads several and different type codes simultaneously (multi-label reading)
- immediately displays read results
- reads with 170dpi above all transport technologies with constant conveyor speeds up to 4.5m/s (885fpm)
- can be easily integrated into existing plants
- all-in-one design



The high-performance line-scan camera VICAM^{ssi2} forms the core of the barcode reading system

The camera-based identification system VIPAC has a modular design and therefore can be easily adapted to all application scenarios. The simplest standard variation is the identification system shown that features a camera for barcode reading. Several barcode scanners can be replaced with only one camera without noteworthy modifications to the complete system.

The special feature: in addition to higher read rates, read results and images can be immediately displayed and stored. For example, images of NoReads are immediately available for analysis and diagnosis. In addition, the system reads all barcodes in the image and forwards the scanning results of all or only relevant barcodes.

Standard equipment of a VIPAC R system for one side

- camera unit VICAM^{ssi2}, high-performance line-scan camera with onboard LED illumination, power supply unit and decoding unit
- cable set



The VIPAC system in its basis version

Overview of options

- Monitoring software: stores data/images and allows analysis; displays throughput; displays operating states
- Video coding: achieves read rates of nearly 100 percent for the complete system
- Certified volume measurement: for conveyor belts as well as for cross belt and tilt tray sorters
- white LEDs

VIPAC R1 decoding capabilities

1D codes	all codes such as <ul style="list-style-type: none"> • 2/5interleaved • Code 39, Code 93, Code 128 • EAN-13, EAN-8, EAN-128 • EAN/UPC with add-on • Codabar • 3/5 • 2-State-Codes (Postnet/Planet-Code) • 4-State-Codes (USPS-IMB, Australien)
Optional: 2D codes	all codes such as <ul style="list-style-type: none"> • DataMatric ECC 200 • PDF417 • UPS Maxicode Examples for code specifications: <ul style="list-style-type: none"> • ECC 200 (module width and height): 0.5mm x 0.5mm / 0.02in x 0.02in • PDF417 (module width and height): 0.35mm x 1mm / 0.014in x 0.04in
Optional: characters (OCR)	all handwriting and typewriting such as <ul style="list-style-type: none"> • zip codes • addresses • product numbers • supplier numbers • quantities

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VIPAC R1: Technical specifications of the basis system

VICAM^{ssiz}

Dimensions (WxDxH)	660mm x 240mm x 245mm (or 285mm for a focal length of 135mm) 26.18in x 9.45in x 9.65in (or 11.22in for a focal length of 5.31)
Weight	18kg /39.7lbs.
Mounting	profile groove (compatible with Bosch profile system)
System protection	IP54
MTBF	>75,000h
MTTR	<5min.
Max. image width	1,200mm/47.3in
Transport speeds 3.0m/s / 590fpm 3.8m/s / 748fpm 4.5m/s / 885fpm	max. resolution 255dpi 200dpi 170dpi

VIPAC decoding unit

Processor	Pentium Core 2 Duo 1.6GHz
RAM	2 Gigabyte
Memory	SSD 16GByte (32 GB, optional)

Line scan camera unit

CMOS sensor	line scan camera, 8k
Pixel frequency	250 MHz
Line frequency	30.5 kHz

LED illumination

Color attributes	red: 640nm wavelength white: 4100K color temperature
LED class	1 (eye-safe)

Environmental conditions

Operating/storage temperature	+32°F to +122°F / 0°C to +50°C (with decoder)
Humidity	10-95%, non-condensing
Protection class	IP54

Power supply

Range of power supply	115VAC, 230VAC
Input power	max. 240W

Display

Weight	0.5kg / 1.1lbs.
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Standard frame (HxWxL)

Foundation	2900mm x 1800mm x 620mm 114in x 71in x 25in
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Foundation vibration-free