

Messen

Prüfen

Kontrollieren

Sortieren

Positionieren

Vollständigkeitskontrolle

Vorhandenseinskontrolle

Oberflächeninspektion

Teileprüfung

Werkzeugvoreinstellung

3D Sehen

3D Erkennung

Robot Vision

Markierungskontrolle

Koplanarität

BGA-Prüfung

Konturprüfung

Fehler- und
Verschmutzungserkennung

OCR / OCV

Zeichenerkennung

Code Lesen

Faden- und Stoffprüfung

Papier- und Folienprüfung

Metallprüfung

Displayprüfung LCD, LED,
OLED

Mustervergleich

Blasenkontrolle

Robotersteuerung

Bohrer Vermessung

Thermografie

Plastik-Inspektion

2D

und vieles mehr...

Product data:

EyeScan LT 3D SH



Description:

The EyeScan LT 3D is a very compact laser triangulation sensor. It is specially suitable for profile scans, for example glue and sealing bead inspection.

It is supported by the EyeVision 3D software and all the software functions and commands are available for the user.

The LT 3D has a scan rate of up to 1 kHz, several in- and outputs as well as interfaces.

More information on our Website: www.evt-web.com.

Please do not hesitate to contact us if you have any questions:

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Technical Data EyeScan LT 3D y-Series

	Specification
Laser	Class 2M laser line, wave length 660 nm, 30 mW
Sensor	CMOS 1/1.8"
Eff. no. Of pixel	1280 (H) x 1024 (V) (Wide VGA)
Pixel size	5.3 (H) x 5.3 (V) μm



Chip size	4.51 (H) x 2.88 (V) mm
High-speed Shutter	21 μs + steps of 21 μs
Low-speed Shutter	up to 3 sec. adjustable integration time
Integration	Global Shutter
Picture taking	Program-controlled or external high speed trigger, full-frame (55 frames per second) & partial scanning, jitterfree acquisition
Scan Rate	up to 1 kHz
Image Display	via 100 Mbit Ethernet on PC
Processor	Texas Instruments TM320DM6435 „Da Vinci“ DSP 700 MHz, 5600 MIPS
RAM	128 Mbytes DDR2-RAM @ 333 MHz
Flash EPROM	32 Mbytes flash EPROM
Process Interface	2 In- / 4 Outputs, Outputs 4x400 mA
Trigger	1 picture trigger input, 1 flash trigger output, 24V / 200 mA
Ethernet Interface	10/100 Mbit
Storage Conditions	-20 .. +60 °C, Max. humidity: 90 %, non-condensing
Operating Conditions	0 .. +50 °C, Max. humidity: 80 %, non-condensing
Power Supply	24V +/- 20% DC, max. 300 mA
Power Consumption	$\approx$ 2.6 W
Dimensions and weight	140 x 70 x 35 mm, ca. 400 gr

EyeScan LT 3D y-Series	y830	y1230	y1630	y845	y1245	y1645
Working Distance (mm)	240	175	160	95	80	80
Measure range Dz +/- (mm)	150	75	50	55	30	20
Resolution Z [μm] (vert.)	40	20	15	15	10	10
Measure range Dx Min (mm)	100	70	55	80	55	40
Measure range Dx Max (mm)	340	145	90	140	75	55
Resolution X Min [μm]	80	55	45	60	45	35
Resolution X Max [μm]	300	120	75	120	65	45