



ZBA Inc.

## ZLIM210/211 Compact Size High Performance CCD Scan Engine



The newly designed ZLIM210/211 series is a High Performance CCD scan engine that comes in compact form factor. The Scan Module comes in decoded (ZLIM211) and non-decoded (ZLIM210) versions. Applications for the compact scan engine are handheld terminals, data collectors, kiosks, medical equipments, and many more.

The ZLIM210/211 has been designed for ease of integration into any OEM design.

### **Features:**

- ❖ Laser-like performance
- ❖ Durable and compact in size
- ❖ Support both RS-232 serial and USB interface in one single unit.
- ❖ Full speed USB type that supports USB HID keyboard and USB com port emulation (optional)
- ❖ Wide power operation range from 3 ~ 5.5V DC
- ❖ Rugged design in die-casting housing
- ❖ Outstanding scanning performance up to 200 scans per second
- ❖ Wide scan width and narrow scan line

ZBA, Inc.

94 Old Camplain Road Hillsborough, NJ 08844

Ph: 908-359-2070 Fax: 908-595-0909

Web: <http://www.zbausa.com/>



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**Applications:**

- ❖ Data collection computers
- ❖ Point-of-sale terminals
- ❖ Price checker
- ❖ Parking kiosks
- ❖ Lottery & Gaming Machine
- ❖ Bank ATMs
- ❖ Electronic scales
- ❖ Robotic automation
- ❖ Medical instruments
- ❖ Blood analyzers

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**Specifications:**

Operational	Description	Units	Comments
Light Source	617nm visible LED		narrow scanning line
Optical System	2,500 pixels CCD		
Depth of Field	50 – 280	mm	(UPC/EAN 100%)
Scan Angle	42°		
Scan Rate	ZLIM210 non-decoded 100 / 200 ZLIM211 decoded 200	scans/sec	
Minimum Bar Width	0.1 (4)	mm (mil)	(Code 39, PCS=90%)
Print Contrast	30% or more		
Interface	ZLIM210 non-decoded TTL laser emulation output ZLIM211 decoded Serial-TTL, USB		
<b>Physical</b>			
Height	11.40 (0.449)	mm (in.)	
Depth	22.66 (0.892)	mm(in.)	
Width	20.50 (0.807)	mm(in.)	
Weight	10 (0.353)	G (oz)	
<b>Electrical</b>			
Input Voltage	3 ~ 5.5	VDC	
Operating Current	100	mA	typical
Regulatory	EMC CE EN55022B; FCC Part 15 Class B, VCCI, BSMI		

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<b>Environmental</b>			
Operating Temperature	0° ~ 50 (32 ~ 122)	Degrees	Centigrade (Fahrenheit)
Storage Temperature	-20. ~ 60 (-4. ~ 140.)	Degrees	Centigrade (Fahrenheit)
Humidity	20% - 85%	RH	(non-condensing)
Light Levels Max.	20,000	Lux	(fluorescence)
Shock	Designed to withstand 1.5m drops		To concrete
<b>Decoding Capability</b>			
UPC/EAN/JAN, UPC/EAN with supplementary, JAN 8 & JAN 13, ISBN/ISSN, Japanese Bookland EAN, Code 39, Code 39 with full ASCII, Tri-optic Code 39, Codabar (NM7), Code 128, Code 128 with full ASCII, Code 93, Interleaved 2 of 5 (ITF), Addendum 2 of 5, IATA Code, MSI/Plessy, China Postal Code, Code 32 Optional Standard 2 of 5, Code 11, Industrial 2 of 5, Discrete 2 of 5, Matrix 2 of 5, UPC/EAN RSS, RSS variants			

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