Image sensor heads for narrow-width scanners IA3004-CE20A

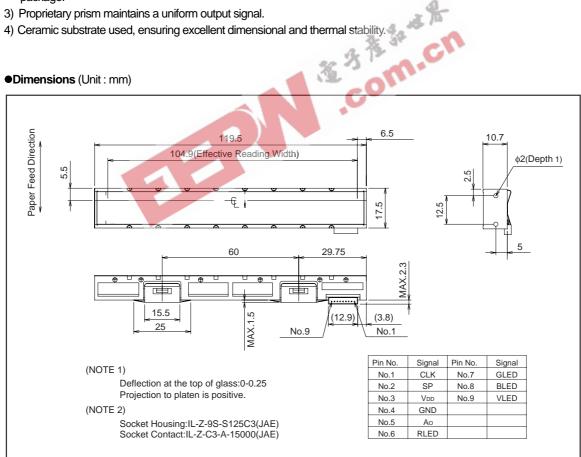
Compatible with A6 size media, feature a dual-arch structure, allowing straight-pass reading (both-directions). In addition, it is compact, measuring only 119.5mm in length.

Applications

Check readers, card scanners, and a variety of other image input devices.

Features

- 1) Signal amplifier integrated into each sensor IC in order to eliminate external noise.
- 2) LED light source mounted on the same substrate as the sensor chip itself, resulting in a more compact, lightweight package.



Contact image sensor heads

Characteristics

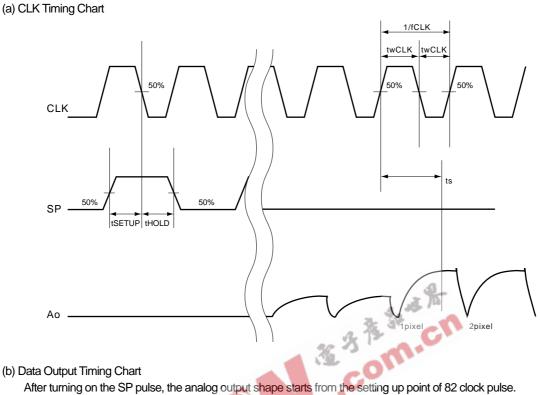
Parameter	Symbol	Тур.	Unit
Effective scanning width	-	104.9	mm
Primary scan dot density	-	300	dpi
Total dot number	-	1296	dots
Power supply voltage	Vdd	3.3	V
Scanning speed	SLT	0.28×3	ms / line *
Clock frequency	CLK	5	MHz
Maximum dynamic range	VRMax.	0.5	V
Minimum dynamic range	VRMin.	0.25	V
Dark output	Vod	1.0±0.2	V
Operating temperature	-	5 to 45	°C

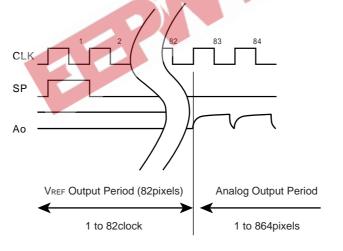
* Analogue signals are produced output at double rate of clock frequency.

Pin assignments

	-			
No.	Circuit	1/0	Functions	-
1	CLK	I	Clock	- 43 Th
2	SP	I	Start pulse	2 3 C
3	Vdd	I	Power Supply	3 3 3 11-
4	GND	I	Ground	
5	Ao	0	Analog Output	
6	RLED	I	LED ground	
7	GLED	I	LED ground	
8	BLED		LED ground	
9	VLED		LED power supply	

Timing chart

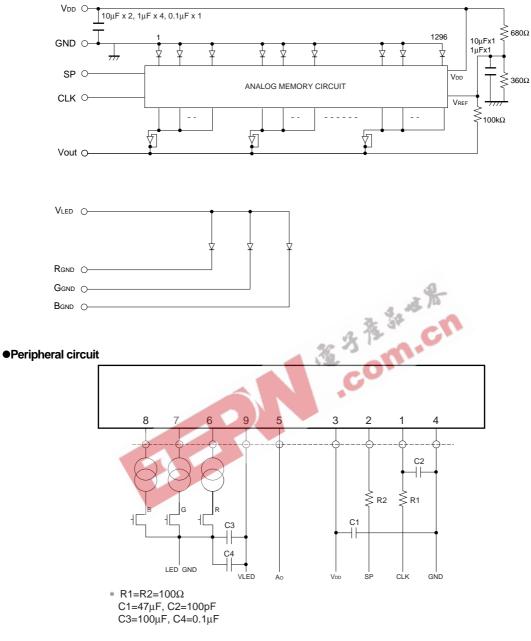




Note) Output blank part cannot be used as the analog output standard level.

Contact image sensor heads





 \ast Please adjust the value of resistance to fit your interface circuit.

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Appendix1-Rev2.0

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