



## Card-compatible High Speed Compact Image Sensor Head IA2002-CE10A

### ● Outline

ROHM's IA2002-CE10A contact image sensor head utilizes a special ceramic substrate featuring superior dimensional precision and thermal dissipation characteristics, resulting in stable reading, even under fluctuating ambient temperature conditions.

A unique prism, developed using the latest in optical technology, ensures simultaneous uniform light output and low light radiation to the media. In addition, bidirectional reading capability enables greater flexibility regarding carrier orientation.

### ● Features

- 1) 25in/s (635mm/s) read speed (monochrome)
- 2) Bidirectional reading capability
- 3) 54mm read width (70mm total width)
- 4) Color light source (switchable)

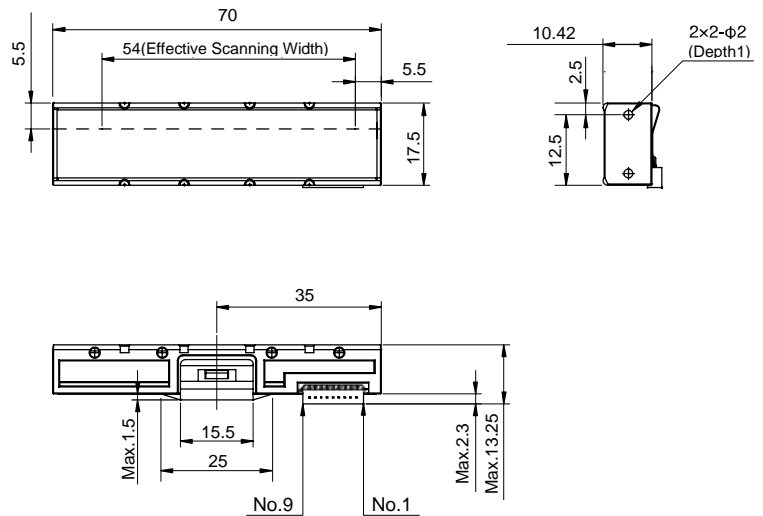
### ● Applications

Image scanners (i.e. business card), detection sets (e.g. surface, paper edge, paper type)

### ● Specifications

Density (dpi)	Read Width (mm)	No. of Pixels	CLK Frequency (MHz)	Read Speed (ms/line)	Dynamic Range (V)	Supply Voltage (V)	Light Source Type
200	54	432	4	0.2×3	0.5	3.3 to 5.0	RGB Color

### ● Dimensions (Unit: mm)



- The specifications for the product described in this document are for reference only. Upon actual use, therefore, please request that specifications to be separately delivered.
- The application circuit examples, information, and various data pertaining to the use of the products presented in this documentation are provided for reference purposes only.
- Please note that ROHM cannot bear any responsibility regarding any problems relating to industrial property rights resulting from their use thereof.

The products listed in this catalog are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

Current specifications in effect of 1st. January 2008.

Excellence in Electronics



ROHM CO., LTD.

21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto  
615-8585, Japan  
TEL: +81-75-3112121 FAX: +81-75-315-0172  
URL: <http://www.rohm.com>

Contact us for further information about the products.

**Seoul** TEL: +82-2-8182-700 FAX: +82-2-8182-715  
**Dalian** TEL: +86-411-8230-8549 FAX: +86-411-8230-8537  
**Beijing** TEL: +86-10-8525-2483 FAX: +86-10-8525-2489  
**Shanghai** TEL: +86-21-6279-2727 FAX: +86-21-6247-2066  
**Shenzhen** TEL: +86-755-8307-3008 FAX: +86-755-8307-3003  
**Hong Kong** TEL: +852-2-740-6262 FAX: +852-2-375-8971  
**Taipei** TEL: +886-2-2500-6956 FAX: +886-2-2503-2869  
**Singapore** TEL: +65-6332-2322 FAX: +65-6332-5862  
**Philippines** TEL: +63-2807-6872 FAX: +63-2809-1422  
**Thailand** TEL: +66-2-254-4890 FAX: +66-2-256-6334

**Malaysia** TEL: +60-3-7958-8355 FAX: +60-3-7958-8377  
**Germany** TEL: +49-2154-9210 FAX: +49-2154-921400  
**France** TEL: +33-1-5697-3060 FAX: +33-1-5697-3080  
**United Kingdom** TEL: +44-1-908-306700 FAX: +44-1-908-235788  
**San Diego** TEL: +1-858-625-3630 FAX: +1-858-625-3670  
**Atlanta** TEL: +1-770-754-5972 FAX: +1-770-754-0691  
**Dallas** TEL: +1-469-287-5366 FAX: +1-469-362-7973  
**Kyoto** TEL: +81-75-365-1218 FAX: +81-75-365-1228  
**Yokohama** TEL: +81-45-476-2290 FAX: +81-45-476-2295

