

Keyence IV4-G500CA

Model: IV4-G500CA

Brand: Keyence

Series: IV4 Series

Compact model sensor head for IV4-G120 amplifier, standard field of view, color type.

— Hardware —

Type: Compact model sensor head, standard field of view

Installed distance: From 50 mm

Field of view: Installation distance 50 mm: 22 (H) x 16 (V) mm to installation distance 3000 mm: 1184 (H) x 888 (V) mm (reference value)

Image receiving element: 1/2.9 inch color CMOS, 1280 (H) x 960 (V) pixels

Focus adjustment: Auto

Exposure time: 12 μ s to 9 ms

Illumination: White LED

Lighting method: Switchable between pulse and continuous lighting

— Communication —

Built-in ports: None (connects to IV4-G120 amplifier via dedicated sensor head cable)

Protocols: None

Communication expansion: Via IV4-G120 amplifier

— Electrical —

Supply voltage: Supplied by connected amplifier

Average power consumption: 2.5 W (without AI imaging illumination unit), 6.6 W (with AI imaging illumination unit)

Output type: Not available (outputs via amplifier)

— Environmental —

Operating temperature: 0 to +50° C (no freezing)

Relative humidity: 85% RH or less (no condensation)

Protection rating: IP67 (except when polarizing filters OP-88642/OP-88643/OP-88646/OP-88647 are installed; not applicable when OP-88909 is mounted)

Vibration resistance: 10 to 500 Hz, 0.816 G²/Hz, X/Y/Z directions

Shock resistance: 500 m/s², 3 times in each of 6 directions

— Physical —

Dimensions (H × W × D): Not available

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Material: Main unit case: Zinc die-casting. Front cover: Acrylic. Operation indicator cover: TPU.
ESD safe, IEC61340-5-1 compliant.

Weight: Approx. 75 g (no AI imaging illumination unit), approx. 225 g (with AI imaging illumination unit); approx. 85 g when OP-88909 is mounted

—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)



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