Keyence IV3-G500CA

Model: IV3-G500CA
Brand: Keyence
Series: IV3 Series

Compact model sensor head for IV3-G120 amplifier, standard field of view, color type.

—— Hardware ——
Type: Compact model sensor head, standard view
Installed distance: 50 mm or more
Field of view: Installation distance 50 mm: 22 (H) x 16 (V) mm to installation distance 3000 mm: 1184 (H) x 888 (V) mm (typical example)
Image receiving element: 1/2.9 inch color CMOS, 1280 (H) x 960 (V) pixels
Focus adjustment: Auto
Exposure time: 12 us to 9 ms
Illumination: White LED
Lighting method: Pulse / continuous lighting switchable

—— Communication ——
Built-in ports: None (connects to IV3-G120 amplifier via dedicated cable)
Protocols: None
Communication expansion: Via IV3-G120 amplifier

—— Electrical ——
Supply voltage: Supplied by connected amplifier
Power consumption: Not available
Output type: Not available (outputs via amplifier)

—— Environmental ——
Operating temperature: 0 to +50° C (no freezing)
Relative humidity: 35 to 85% RH (no condensation)
Protection rating: IP67 (except when polarizing filter OP-88642/OP-88643/OP-88646/OP-88647 is mounted)
Vibration resistance: 10 to 55 Hz, double amplitude 1.5 mm, 2 hours in each of X/Y/Z directions (except when dome attachment IV2-GD05/IV2-GD10 is mounted)
Shock resistance: 500 m/s^2, 3 times in each of 6 directions (except when dome attachment IV2-GD05/IV2-GD10 is mounted)

—— Physical ——

You can contact us through the following contact information

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

Dimensions (H×W×D): Not available
Material: Main unit case: Zinc die-casting. Front cover: Acrylic. Operation indicator cover: TPU.
Weight: Approx. 75 g (without AI lighting unit), approx. 225 g (with AI lighting unit)

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

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