

Keyence IV4-G120

Model: IV4-G120

Brand: Keyence

Series: IV4 Series

Compact model sensor amplifier (DIN-rail mount) for IV4-G series compact sensor heads.

—— Hardware ——

Type: Compact model sensor amplifier

Available modes: Standard Mode, Sorting Mode, AI Through Count Mode

Number of tools: 65 tools

Switch settings (programs): 128 programs (with SD card) / 32 programs (without SD card)

—— Communication ——

Built-in ports: RJ45 8-pin connector (1000BASE-T/100BASE-TX)

Protocols: EtherNet/IP, PROFINET CC-B, TCP/IP non-procedural comm (x2), FTP client, SFTP client, SNTP client, OPC UA server, MQTT client

Communication expansion: IV4-GCU1 (PROFINET CC-C, EtherCAT); DL Series units (EtherCAT, CC-Link, DeviceNet, RS-232C)

—— Electrical ——

Supply voltage: 24 VDC +25%, -20% (including ripple)

Power consumption: 2.2 A or less at 19.2 V / 1.7 A or less at 24.0 V (no AI imaging illumination unit, no communication unit; includes 120 mA output load)

Average power consumption: 9.5 W (sensor amplifier only; no output load)

Output type: Open collector output, NPN/PNP switchable, N.O./N.C. switchable, maximum rating 30 V 50 mA

Number of inputs: 8 (IN1 to IN8)

Number of outputs: 8 (OUT1 to OUT8)

—— Environmental ——

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

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

Protection rating: Not available

—— Physical ——

Dimensions (H × W × D): Not available

Material: Main unit case: PC. Power supply connector: PA. I/O connector: LCP. Sensor head connector: Zinc + Nickel plating/PA. Ethernet connector: Copper alloy + Au plating. Main unit rear

You can contact us through the following contact information

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

heat sink: Aluminum. Main unit rear DIN rail locking claw: POM. Label: PC.
Weight: Approx. 290 g

—— Lifecycle ——

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



You can contact us through the following contact information

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