

# IV-H150MA

KEYENCE CORPORATION · IV Series

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## FEATURES

Integrated vision sensor camera, short range, monochrome type.

### Hardware

**Type:**

Sensor, Short range

**Installed distance:**

50 to 150 mm

**View:**

Installed distance 50 mm: 12 (H) x 9 (V) mm to installed distance 150 mm: 36 (H) x 27 (V) mm

**Image sensor:**

1/3 inch monochrome CMOS, 752 (H) x 480 (V) pixels

**Focus adjustment:**

Auto

**Exposure time:**

1/20 to 1/25,000

**Illumination:**

Red LED

**Lighting method:**

Pulse/DC lighting switchable

**Tools:**

Shape Detection, Color Area, Area, Edge Pixels, Width/Height, Diameter, Edge Presence, Pitch, Position Adjustment, High Speed Position Adjustment

**Number of tools:**

Detection tools: 16, position adjustment tool: 1

**Switch settings (programs):**

32 programs

### Communication

**Built-in ports:**

M12 4-pin connector (100BASE-TX/10BASE-T)

**Protocols:**

FTP client, EtherNet/IP, PROFINET

**Communication expansion:**

None

### Electrical

**Supply voltage:**

24 VDC +/-10% (including ripple)

**Power consumption:**

0.6 A or less

**Output type:**

Open collector output, NPN/PNP switchable, N.O./N.C. switchable, maximum rating 26.4 V 50 mA

**Number of inputs:**

6 (IN1 to IN6)

**Number of outputs:**

4 (OUT1 to OUT4)

## Environmental

### Operating temperature:

0 to +50°C (no freezing)

### Relative humidity:

35 to 85% RH (no condensation)

### Protection rating:

IP67 (except when polarized filter attachment OP-87436/OP-87437 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 IV-D10 is mounted)

### Shock resistance:

500 m/s<sup>2</sup>, 3 times in each of 6 directions (except when dome attachment IV-D10 is mounted)

## Physical

### Dimensions (H×W×D):

Not available

### Material:

Main unit case: Aluminium die-casting. Packing: NBR. Front cover: Acrylic. Mounting adapter: POM.

### Weight:

Approx. 270 g

## Lifecycle

### Active; official Keyence production status confirmed via product/spec page (Last verified:

2026-09)