

AMIKON TECHNICAL DOCUMENTATION

Data Sheet

KEYENCE CV-X420F

2-megapixel camera supporting vision controller



01 VERIFIED PRODUCT IDENTITY

Product model	CV-X420F
Manufacturer	KEYENCE
Product family	CV-X Series
Controller type	2-megapixel camera supporting type
Rated voltage	24 VDC $\pm 10\%$
Current consumption	2.4 A

02 TECHNICAL DATA

External trigger inputs	4 points
Trigger delay setting	0 to 999 ms
Control inputs	16 points
Control outputs	27 points
High-speed outputs	4 points
Output type	Photo MOSFET, 50 mA max.

DIN-rail temperature	0 to 45°C
Bottom-mount temperature	0 to 40°C
Operating humidity	35% to 85% RH, no condensation
Approximate mass	1,600 g
Overall dimensions	122 × 141.6 × 168 mm

- Presence inspection for required parts before the workpiece advances.
- Position guidance for validated automated handling and alignment.
- Code and text checks with application-specific cameras, lenses and lighting.

Confirm the exact model, connected equipment, accessories, power, interfaces, installation envelope and application requirements before ordering or commissioning.