

KEYENCE TECHNICAL DOCUMENT

Product Data Sheet

CV-X422F

01

PRODUCT IDENTIFICATION

Manufacturer	KEYENCE
Model	CV-X422F
Family	CV-X Series Vision Systems
Product type	2M-pixel camera supporting controller

02

VERIFIED TECHNICAL DATA

Controller type	2M-pixel camera supporting controller
Supported camera class	2M-pixel camera
Overall width	122 mm
Overall height	168 mm
Overall depth	141.6 mm
Installation mounting	DIN-rail mounting provision
Configuration storage	Controller project and inspection settings
Judgement output	Inspection result output through configured interfaces

03 REMAINING TECHNICAL DATA

PC integration	CV-X series software resources
Compliance marking	CE marking shown on official model page

04 TECHNICAL AND APPLICATION NOTES

CV-X422F is identified by KEYENCE as a 2M-pixel camera supporting controller. It is a controller component of a configured machine-vision system. The official dimensional drawing gives an envelope of 122 mm wide, 168 mm high and 141.6 mm deep. Select the compatible 2M-pixel camera, optics, lighting, cables and project for the inspection task.

05 APPLICATIONS

- Assembly presence and completeness inspection
- Part position and orientation measurement
- Printed identification and code inspection
- Dimensional and edge measurement
- Surface and appearance defect inspection

06 INSTALLATION CONTROL

Confirm the complete CV-X422F controller marking before installation. Verify image quality, calibration, triggers, communications and pass/fail outputs before release.