APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

CV-X470F

5-Megapixel Camera Vision-System Controller

CONTROLLED ENGINEERING COPY

Back up the CV-X470F inspection program and calibration data, preserve camera and I/O assignments, and prove acquisition timing and every decision branch with controlled samples.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CV-X470F
Manufacturer part	CV-X470F
Hardware type	Vision-system controller
System family	KEYENCE CV-X machine vision system

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

01 PRE-INSTALLATION PLAN

1. Verify CV-X470F and its five-megapixel camera assignment before work.
2. Isolate controller, camera, and illumination power.
3. Label camera, trigger, network, and result-I/O connections before removal.
4. Restore the approved inspection program and calibration data.
5. Confirm optics, focus, and lighting reproduce the validated image conditions.

MATCHED HARDWARE

- supported five-megapixel KEYENCE camera
- camera cable and lens
- illumination controller
- trigger and result-I/O wiring

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CV-X470F / CV-X470F recorded
Physical interface	supported five-megapixel KEYENCE camera
Companion check	camera cable and lens
Functional proof	Processes high-resolution images from supported five-megapixel cameras
Application test	Fine defect and scratch detection

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Controller type	Vision-system controller
Supported camera class	5 megapixel
Series	CV-X

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	supported five-megapixel KEYENCE camera
Companion hardware	camera cable and lens
Field connection	illumination controller
Primary system function	Processes high-resolution images from supported five-megapixel cameras
Controlled acceptance duty	Fine defect and scratch detection

FIELD NOTE

Back up the CV-X470F inspection program and calibration data, preserve camera and I/O assignments, and prove acquisition timing and every decision branch with controlled samples.

03 COMMISSIONING WORKFLOW

1. Confirm CV-X470F and part number CV-X470F against the installed record.
2. Verify the physical connection to supported five-megapixel KEYENCE camera.
3. Apply the documented technical values for controller type.
4. Exercise the function: processes high-resolution images from supported five-megapixel cameras.
5. Run a controlled test for fine defect and scratch detection.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	CV-X470F / CV-X470F recorded
Physical interface	supported five-megapixel KEYENCE camera
Companion check	camera cable and lens
Functional proof	Processes high-resolution images from supported five-megapixel cameras
Application test	Fine defect and scratch detection

04 RETURN-TO-SERVICE RECORD

- [ ] Check trigger timing and image buffering at full production rate.
- [ ] Challenge all pass, fail, retry, and communication-fault paths.
- [ ] Archive the final program and retain controlled validation results.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN _____

DATE _____

CABINET / POSITION _____

FINAL DIAGNOSTIC STATE _____

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GT2-H32	High-accuracy digital contact sensor head	**Open product page**

SOURCE IDENTIFIERS

KEYENCE CV-X470F Model Page

CV-X470F

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