

INDUSTRIAL AUTOMATION PRODUCT

CA-CH10

10 m High-Speed Camera Cable

KEYENCE CA-CH10 is a 10 m high-speed camera cable. It connects a compatible KEYENCE industrial camera to the assigned vision-system controller.

IDENTITY	VERIFIED VALUE
Manufacturer	KEYENCE
System family	KEYENCE high-speed machine-vision cameras
Part number	CA-CH10
Country	Japan
HS code	8537101190

APTER POWER SALES TEAM

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2

Technical Specifications

Technical values below are limited to the named KEYENCE product record.

PARAMETER	TECHNICAL VALUE
Cable type	High-speed camera cable
Cable length	10 m

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	supported KEYENCE high-speed camera
Companion hardware	compatible vision controller
Field connection	camera-cable strain relief
Primary system function	Carries camera power and high-speed image data
Controlled acceptance duty	Remote camera connection in large machines

3

System Role and Architecture

KEYENCE CA-CH10 is a 10 m high-speed camera cable. It connects a compatible KEYENCE industrial camera to the assigned vision-system controller.

FUNCTION 1

Carries camera power and high-speed image data

FUNCTION 2

Connects a supported high-speed camera to its vision controller

FUNCTION 3

Maintains the defined camera-to-controller interface over a ten-metre run

FUNCTION 4

Supports fixed industrial routing within the camera installation

Matched system components

- supported KEYENCE high-speed camera
- compatible vision controller
- camera-cable strain relief
- machine cable supports

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	supported KEYENCE high-speed camera
Companion hardware	compatible vision controller
Field connection	camera-cable strain relief
Primary system function	Carries camera power and high-speed image data
Controlled acceptance duty	Remote camera connection in large machines

4

Applications and Engineering Context

Remote camera connection in large machines

Carries camera power and high-speed image data

Overhead inspection-station cabling

Connects a supported high-speed camera to its vision controller

Long conveyor vision-cell integration

Maintains the defined camera-to-controller interface over a ten-metre run

Cabinet-to-enclosure camera routing

Supports fixed industrial routing within the camera installation

TECHNICAL NOTE

Route CA-CH10 as a protected signal cable, prevent connector loading and tight bends, and verify stable image transfer and triggering after the complete 10 m run is installed.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CA-CH10 / CA-CH10 recorded
Physical interface	supported KEYENCE high-speed camera
Companion check	compatible vision controller
Functional proof	Carries camera power and high-speed image data
Application test	Remote camera connection in large machines

5

Engineering Precautions

1

Verify CA-CH10 and the ten-metre length before routing.

2

Power down the camera and controller before connecting either end.

3

Protect connector contacts from contamination and ESD.

4

Do not pull the cable by its connector shells.

5

Maintain bend radius and mechanical separation from high-current conductors.

RELATED PRODUCTS ON APTER POWER

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

MANUFACTURER SOURCE RECORD

KEYENCE CA-CH10 Model Page

CA-CH10

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