

Intuitive Vision System CV-X Series

Setup Manual

(Area Camera Edition)

Read this manual before use.

Keep this manual in a safe place for future reference.



Camera Cables (CA-CH** Series)

Reference

For information about cameras that can be connected, see "List of maximum cable lengths by camera" (page 4-5).

Standard type (CA-CH**)

Model	Cable length	Weight
CA-CH3	3 m	290 g
CA-CH5	5 m	440 g
CA-CH10	10 m	880 g

High flex robotic type (CA-CH**R)

Model	Cable length	Weight
CA-CH3R	3 m	250 g
CA-CH5R	5 m	410 g
CA-CH10R	10 m	740 g
CA-CH17R*	17 m	1300 g

* CA-CH17R can only be connected to CA-035C/035M.

L-shaped connector type (CA-CH**L)

Model	Cable length	Weight
CA-CH3L	3 m	270 g
CA-CH5L	5 m	450 g
CA-CH10L	10 m	810 g

High flex robotic extension type (CA-CH3BE)

NOTICE

- CA-CH3BE cannot be used on its own because it is an extension cable. This is used by connecting CA-CH3/CH3R/CH3L/CH3X to the connector on the controller side.
- CA-CH3BE is comparable to a 7m cable, not a 3m cable due to the electric characteristics. Use this within the range of the maximum extension of the camera that is used by converting it by calculation to a 7m cable.

Model	Cable length	Weight
CA-CH3BE	3 m	280 g

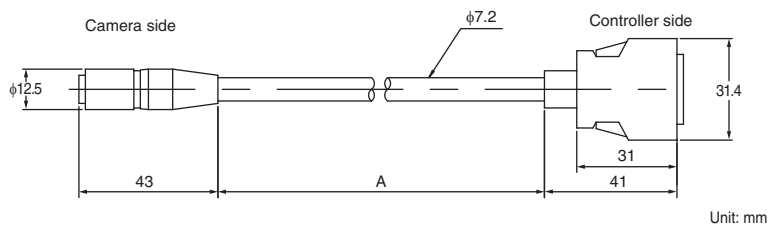
Environment resistant type (CA-CH**P)

Model	Cable length	Weight
CA-CH3P	3 m	250 g
CA-CH10P	10 m	750 g

Camera Cables (CA-CH** Series)

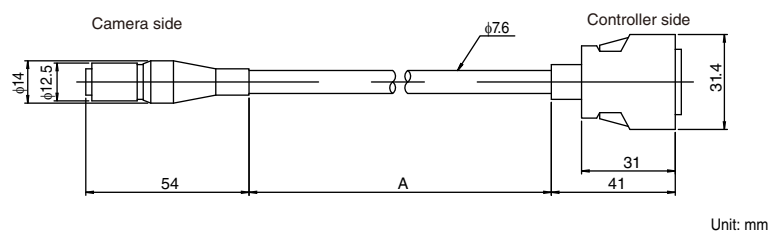
Reference For information about cameras that can be connected, see "List of maximum cable lengths by camera" (page 4-5).

Standard type (CA-CH**)



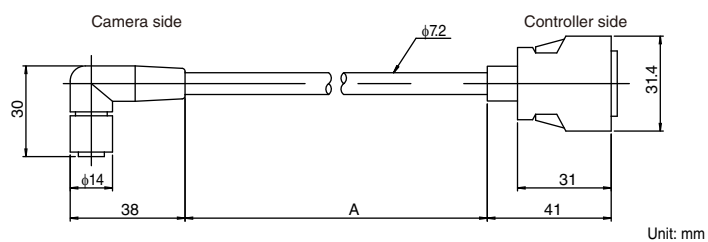
Model	Cable length (A)
CA-CH3	3 m
CA-CH5	5 m
CA-CH10	10 m

High flex robotic type (CA-CH**R)



Model	Cable length (A)
CA-CH3R	3 m
CA-CH5R	5 m
CA-CH10R	10 m
CA-CH17R	17 m

L-shaped connector type (CA-CH**L)



Model	Cable length (A)
CA-CH3L	3 m
CA-CH5L	5 m
CA-CH10L	10 m

Direction to attach the L-shaped connector

NOTICE

The direction to attach the L-shaped connector is shown in the figure below.
The attachment direction cannot be changed.

Make sure to extend the cable downwards

Cables

Model	Description	Reference page	
CA-CN1	Camera cable (CA-CN** Series) (1 m)	Page 4-87	
CA-CN3	Camera cable (CA-CN** Series) (3 m)		
CA-CN5	Camera cable (CA-CN** Series) (5 m)		
CA-CN10	Camera cable (CA-CN** Series) (10 m)		
CA-CN17	Camera cable (CA-CN** Series) (17 m)		
CA-CN3R	High flex robotic camera cable (CA-CN** Series) (3 m)		
CA-CN5R	High flex robotic camera cable (CA-CN** Series) (5 m)		
CA-CN10R	High flex robotic camera cable (CA-CN** Series) (10 m)		
CA-CN17R	High flex robotic camera cable (CA-CN** Series) (17 m)		
CA-CN7RE	High flex robotic camera extension cable (CA-CN** Series) (7 m)		Page 4-57
CA-CN3L	L-shape connector camera cable (CA-CN** Series) (3 m)		Page 4-87
CA-CN5L	L-shape connector camera cable (CA-CN** Series) (5 m)		
CA-CN10L	L-shape connector camera cable (CA-CN** Series) (10 m)		
CA-CN17L	L-shape connector camera cable (CA-CN** Series) (17 m)		
CA-CN3BE	High flex robotic camera extension cable (CA-CN** Series) (3 m)		
CA-CH3	Camera cable (CA-CH** Series) (3 m)	Page 4-85	
CA-CH5	Camera cable (CA-CH** Series) (5 m)		
CA-CH10	Camera cable (CA-CH** Series) (10 m)		
CA-CH3R	High flex robotic camera cable (CA-CH** Series) (3 m)		
CA-CH5R	High flex robotic camera cable (CA-CH** Series) (5 m)		
CA-CH10R	High flex robotic camera cable (CA-CH** Series) (10 m)		
CA-CH17R	High flex robotic camera cable (CA-CH** Series) (17 m)		
CA-CH3L	L-shape connector camera cable (CA-CH** Series) (3 m)		
CA-CH5L	L-shape connector camera cable (CA-CH** Series) (5 m)		
CA-CH10L	L-shape connector camera cable (CA-CH** Series) (10 m)		
CA-CH3BE	High flex robotic extension cable (CA-CH** Series) (3 m)		
CA-CH3P	Environment resistant camera cable (CA-CH** Series) (3 m)		
CA-CH10P	Environment resistant camera cable (CA-CH** Series) (10 m)		
CA-CNX10U	Camera cable extension amplifier (CA-CN** Series)		Page 2-10, Page 4-58, Page 4-89
CA-CHX10U	Camera cable extension amplifier (CA-CH** Series)		
CA-CN3X	Repeater camera cable (CA-CN** Series) (3 m)	Page 4-89	
CA-CN10X	Repeater camera cable (CA-CN** Series) (10 m)		
CA-CN17X	Repeater camera cable (CA-CN** Series) (17 m)		
CA-CH3X	Repeater camera cable (CA-CH** Series) (3 m)		
CA-CH10X	Repeater camera cable (CA-CH** Series) (10 m)		
CA-CH3BEX	Repeater high flex robotic camera cable (CA-CH** Series) (3 m)		
CA-CN3RX	Repeater high flex robotic camera cable (CA-CN** Series) (3 m)		
CA-CN10RX	Repeater high flex robotic camera cable (CA-CN** Series) (10 m)		
CA-CN17RX	Repeater high flex robotic camera cable (CA-CN** Series) (17 m)		
CA-CH10RX	Repeater high flex robotic camera cable (CA-CH** Series) (10 m)		
CA-CN3LX	Repeater L-shape connector camera cable (CA-CN** Series) (3 m)		
CA-CN10LX	Repeater L-shape connector camera cable (CA-CN** Series) (10 m)		
CA-CN17LX	Repeater L-shape connector camera cable (CA-CN** Series) (17 m)		
CA-D2	LED light cable (2 m)		Page 4-139
CA-D5	LED light cable (5 m)		
CA-D3R	High flex robotic LED light cable (3 m)		
CA-D5R	High flex robotic LED light cable (5 m)		
CA-D10R	High flex robotic LED light cable (10 m)		
CA-D17R	High flex robotic LED light cable (17 m)		
CA-D1W	Y-split LED light cable (0.5 m)		
OP-84457	Bare wire LED light cable (1 m)		