

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 Cable for the Repeater (CA-CH** Series)

! Point

If the camera to be connected to the repeater is compatible with the CA-CH** Series cable, connect the camera cable (CA-CH**X) especially made for the repeater to the camera side connector on the repeater unit. No other camera cables can be directly connected to the camera side connector on the repeater.

Standard type (CA-CH**X)

Model	Cable length	Weight
CA-CH3X	3 m	270 g
CA-CH10X	10 m	820 g

High flex robotic type (CA-CH**RX/CA-CH3BEX)

NOTICE

CA-CH3BEX is comparable to a 5m 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 5m cable.

Model	Cable length	Weight
CA-CH3RX	3 m	240 g
CA-CH5RX	5 m	380 g
CA-CH10RX*	10 m	740 g
CA-CH3BEX	3 m	280 g

* This cannot be used for purposes of using a camera attached to a robot.

Camera Cable for the Repeater (CA-CN** Series)

! Point

If the camera to be connected to the repeater is compatible with the CA-CN** Series cable, connect the camera cable (CA-CN**X) especially made for the repeater to the camera side connector on the repeater unit. No other camera cables can be directly connected to the camera side connector on the repeater.

Standard type (CA-CN**X)

Model	Cable length	Weight
CA-CN3X	3 m	200 g
CA-CN10X	10 m	600 g
CA-CN17X	17 m	990 g

L-shaped connector type (CA-CN**LX)

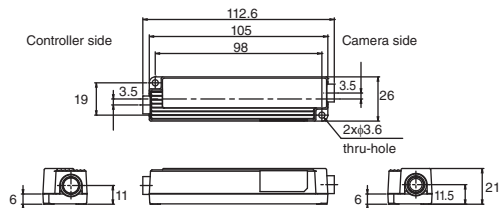
Model	Cable length	Weight
CA-CN3LX	3 m	210 g
CA-CN10LX	10 m	610 g
CA-CN17LX	17 m	1000 g

High flex robotic type (CA-CN**RX)

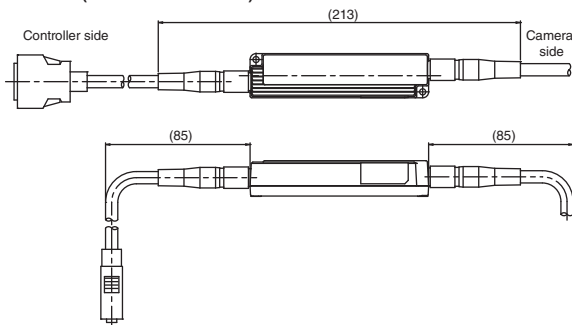
Model	Cable length	Weight
CA-CN3RX	3 m	190 g
CA-CN10RX	10 m	540 g
CA-CN17RX	17 m	900 g

Camera Cable Extension Repeater (CA-CHX10U) Camera Cable for the Repeater (CA-CH** Series)

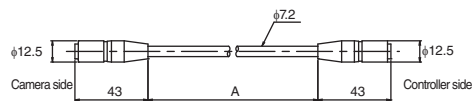
CA-CHX10U



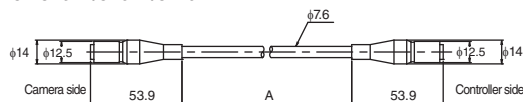
CA-CHX10U (with cable connected)



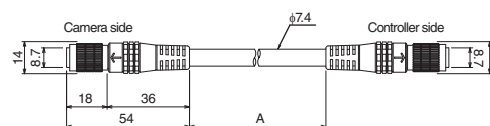
CA-CH3X/CH10X



CA-CH3RX/CH5RX/CH10RX



CA-CH3BEX



Unit: mm

Model	Cable length (A)
CA-CH3X	3 m
CA-CH10X	10 m
CA-CH3RX	3 m
CA-CH5RX	5 m
CA-CH10RX	10 m
CA-CH3BEX	3 m

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)			