

**MV-ACC-01-2201-x  
POWER-I/O CABLE HRS 12P/OPEN**



**Cable Description:**

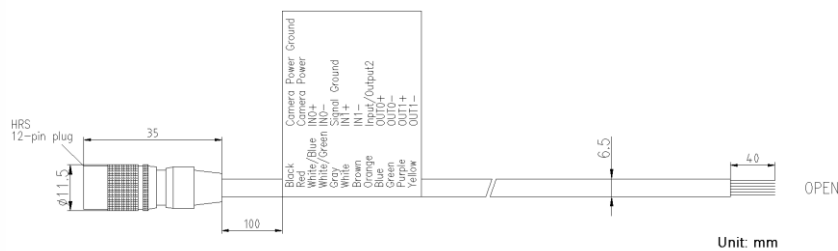
Accessory	Description	Length	Applicable Camera
Power-I/O Cable HRS 12P/Open	Power-I/O Cable with HRS 12pin connector and open end	3 m/5 m	Hikrobot GigE Line Scan Camera

**Order Models:**

3m Power-I/O Cable: MV-ACC-01-2201-3m

5m Power-I/O Cable: MV-ACC-01-2201-5m

**Cable Overview:**



**Cable Parameters:**

**Pin Definition**

Pin	Wire Color	Signal	Description
1	Black	GND	Power Ground
2	Red	DC_PWR	DC 12 V
3	White/Blue	IO_IN0_P	IN0+
4	White/Green	IO_IN0_N	IN0-
5	Gray	GND	Signal Ground
6	White	IO_IN1_P	IN1+
7	Brown	IO_IN1_N	IN1-
8	Orange	IO2	Input/Output2
9	Blue	IO_OUT0_P	OUT0+
10	Green	IO_OUT0_N	OUT0-
11	Purple	IO_OUT1_P	OUT1+
12	Yellow	IO_OUT1_N	OUT1-

Table 1: Pin Definition



## Physical Specifications

Camera-side Connector	Hirose 12 pin
Host-side Connector	None, open end
Cable Cross-section	26 AWG
Cable Diameter	6.5 mm
Cable Insulation Material	PVC
Outer Jacket	PVC
Cable Color	Black
Minimum Bending Radius	65 mm
Maximum Bending Cycles	500 times

Table 2: Physical Specifications

## Electrical Specifications

Maximum Operating Voltage	30 V
Cable Resistance	≤150 Ω/km

Table 3: Electrical Specifications

## Environmental Specifications

Operating Temperature Range	-10 °C-80 °C
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Table 4: Environment Specifications

## Plug Specifications

Durability	>1000 mating cycles
Contact Resistance	10 mΩ
Contact Plating	Silver
Plug Insulation Material	POLYAMIDE

Table 5: Plug Specifications

## Compliance

RoHS Compliance	✓
UL Compliance	✓

Table 6: Compliance

Read the user manual for the camera including the precautions before connecting the cable to the camera. The user manual also contains further information about pin assignments, power requirements, as well as comprehensive information about installing and using the camera.

**HIKROBOT**

Hangzhou Hikrobot Technology Co., Ltd.  
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.  
en.hikrobotics.com

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