

## HD Series Slip Ring

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HD-SDI interface is a digital video / audio interface technology, is dedicated interfaces for digital video transmission, it can transmit audio and video signals.

The HD-SDI/HDMI slip ring is a kind of digital video/audio connector technique, which is the specialized digital that is suitable for image, voice, video transmission.



### Features:

- 720p, 1080i, 1080p video transmission is possible
- Other signals and current rings can be integrated inside
- Gold plated ring and Gold alloy brush
- No require lubrication
- No data transmission error code and no loss
- The flange of dimension, outside diameter, direction can be customized as per request

### HD SERIES MODEL#

Model#	ID(mm)	OD(mm)	Current(A)	Voltage(V AC/DC)	Circuits
HD12	-	22	2	240	1x HD-SDI + 12x 2A
HD16	-	22	2	240	1x HD-SDI + 16x 2A
HD24	-	22	2	240	1x HD-SDI + 24x 2A
HD-002	-	22	2	240	2x HD-SDI
HD-004	-	22	2	240	4x HD-SDI
HD1265	-	65	2	240	1x HDMI + Signals

## HD12 Series Overview

### Description

The HD12, provides HD-SDI communication in combination with 12, 2 amp connections. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



### Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with one coax, and 12x 2 amp connections
- RG179(impedance 75Ω)

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x HD-SDI + 12x 2A
Lead Wire	RG179 Coax cable, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20°C to 60°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

- Flange / No flange.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Ethernet, USB, HDMI data transmission are available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

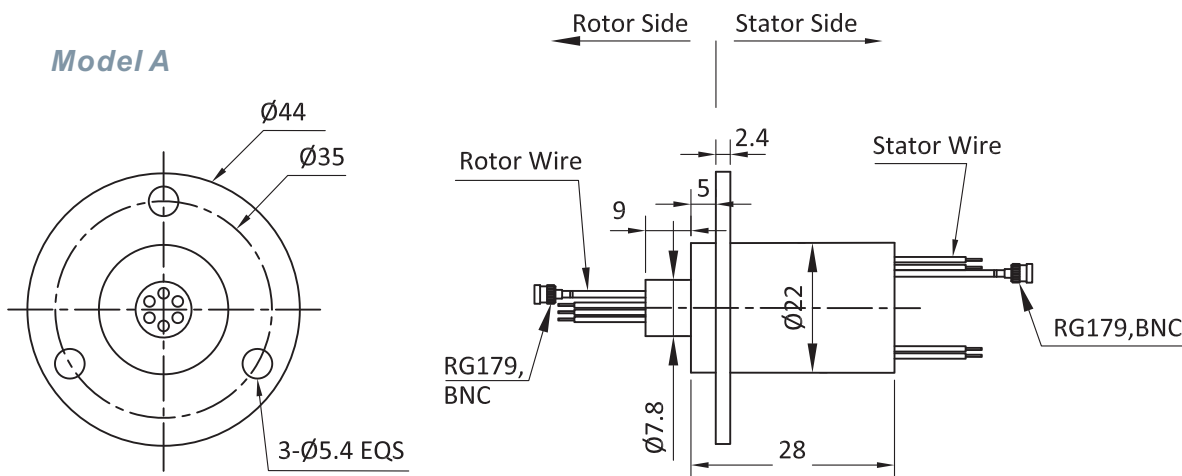
# INTRODUCE

## HD12

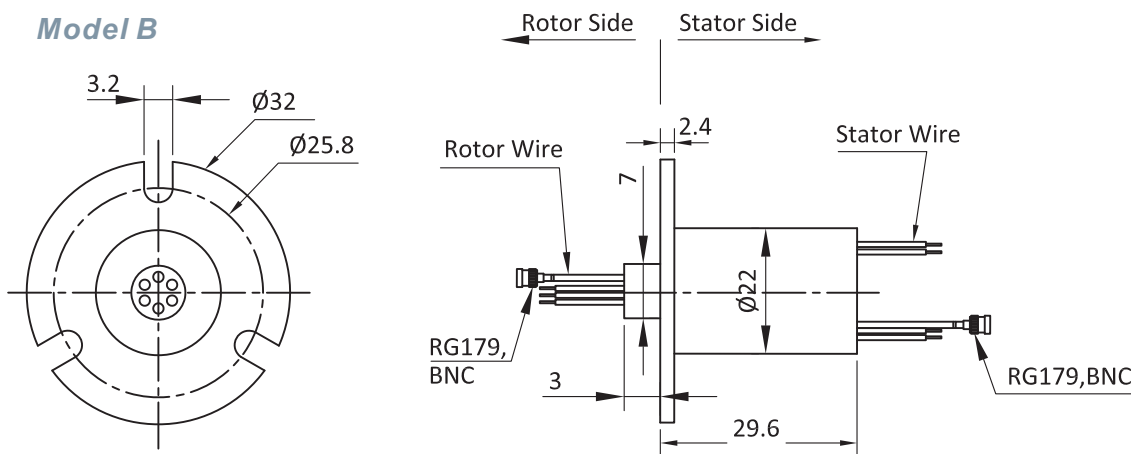
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### HD12 Series Dimensions

**Model A**



**Model B**



**Notes:**

1. Drawings not actual size, dimensions are in millimeters

### Part# List

Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
HD12-A	1	12	240	22	28
HD12-B	1	12	240	22	29.6

**Lead wire color code(From the rotor)**

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

**Notes:**

12 wires for 1 group color, from 12~24 circuits would repeat the same color.

## HD16 Series Overview

### Description

The HD16, provides HD-SDI communication in combination with 16, 2 amp connections. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



### Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with one coax, and 16x 2 amp connections
- RG179(impedance 75Ω)

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x HD-SDI + 16x 2A
Lead Wire	RG179 Coax cable, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20°C to 60°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

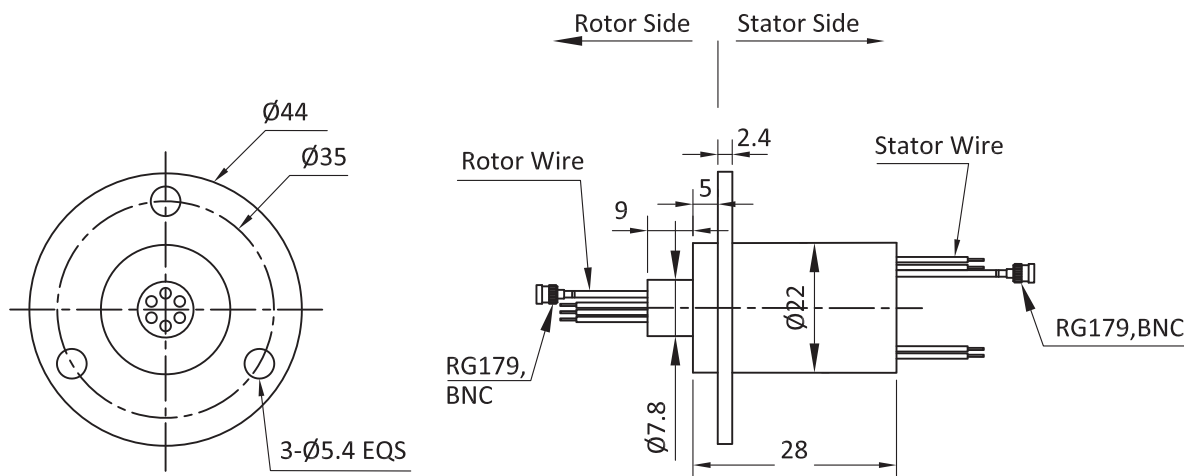
- Flange / No flange.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Ethernet, USB, HDMI data transmission are available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

# INTRODUCE

## HD16

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### HD16 Series Dimensions



**Notes:**

1. Drawings not actual size, dimensions are in millimeters

Part# List					
Model#	Power Circuits(5A/10A)	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
HD16	1	16	240	22	28

Lead wire color code(From the rotor)					
Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

**Notes:**

12 wires for 1 group color, from 12~24 circuits would repeat the same color.

## HD24 Series Overview

### Description

The HD24, provides HD-SDI communication in combination with 24, 2 amp connections. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



### Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with one coax, and 24x 2 amp connections
- RG179(impedance 75Ω)

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x HD-SDI + 24x 2A
Lead Wire	RG179 Coax cable, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20°C to 60°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

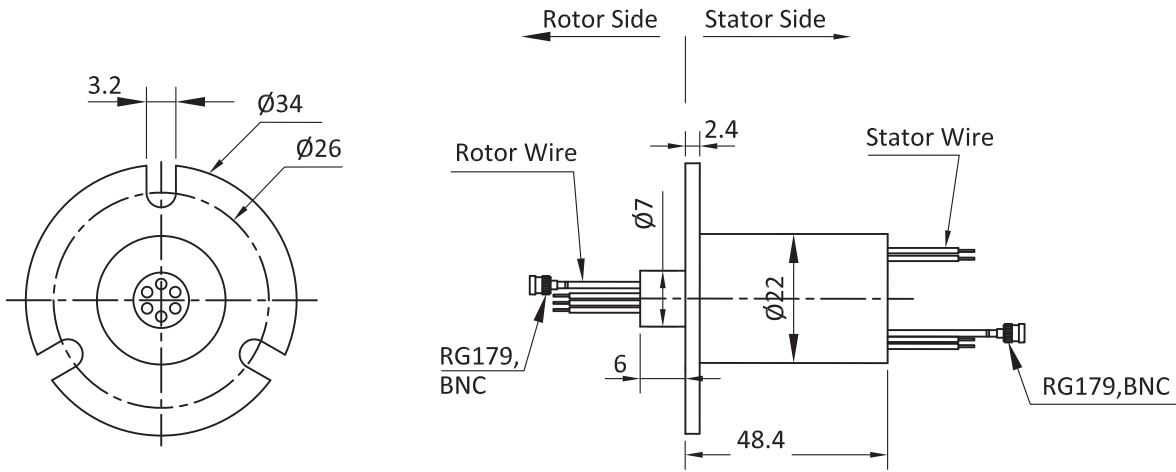
- Flange / No flange.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Ethernet, USB, HDMI data transmission are available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

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## HD24

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### HD24 Series Dimensions



**Notes:**

1. Drawings not actual size, dimensions are in millimeters

Part# List					
Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
MOS22-06	1	24	240	22	48.4

Lead wire color code(From the rotor)					
Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

**Notes:**

12 wires for 1 group color, from 12~24 circuits would repeat the same color.

## HD00-2 Series Overview

### Description

The HD00-2, provides HD-SDI communication. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



### Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with 2 coax, connections
- RG179(impedance 75Ω)

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	2x HD-SDI
Lead Wire	RG179 Coax cable
Voltage	240V AC/DC
Operating Temperature	-20°C to 60°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

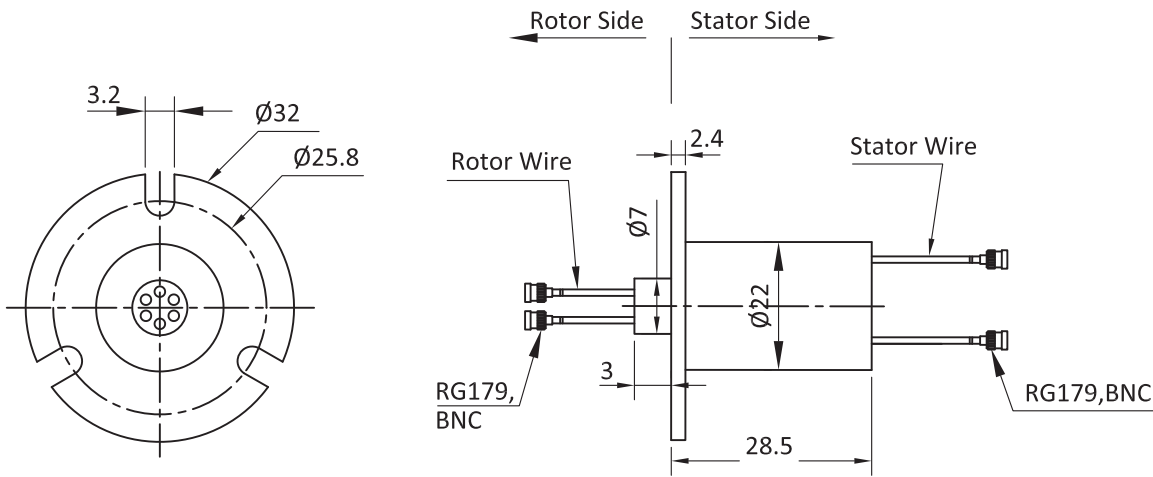
- Flange / No flange.
- Longer lead lengths available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.



# INTRODUCE

## HD00-2

### HD00-2 Series Dimensions



#### Notes:

1. Drawings not actual size, dimensions are in millimeters

### Part# List

Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
HD00-2	2	-	240	22	28.5

## HD00-4 Series Overview

### Description

The HD00-4, provides HD-SDI communication. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



### Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with 4 coax connections
- RG179(impedance 75Ω)

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	4x HD-SDI
Lead Wire	RG179 Coax cable
Voltage	240V AC/DC
Operating Temperature	-20°C to 60°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

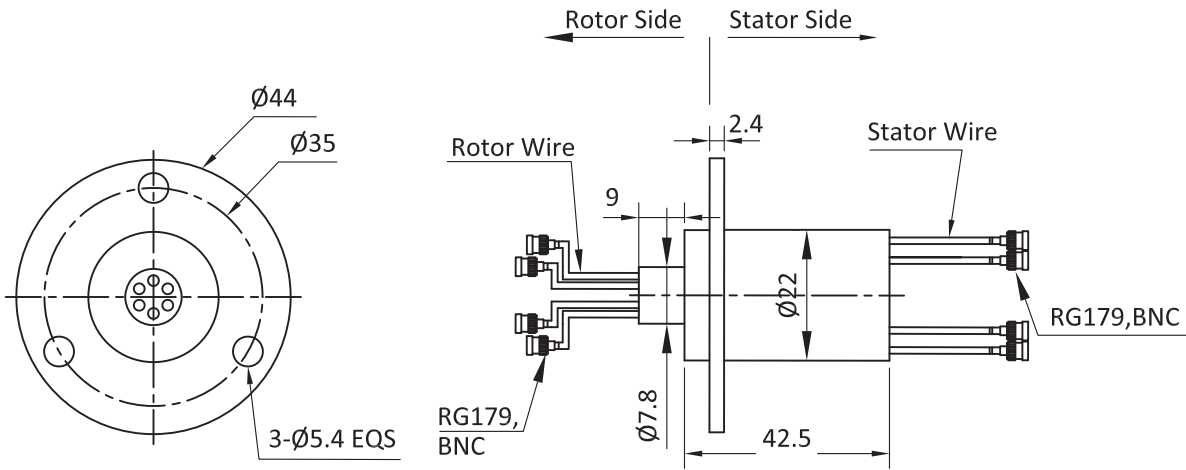
### Options

- Flange / No flange.
- Longer lead lengths available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

## INTRODUCE

HD00-4

## HD00-4 Series Dimensions

**Notes:**

1. Drawings not actual size, dimensions are in millimeters

## Part# List

Model#	Coax cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
HD00-4	4	-	240	22	42.5

## HD1265 Series Overview

### Description

HD1265 high definition slip ring with 1 channel HDMI, suitable for HD camera and security industry, it also can combine with signal and power.



### Features

- 720p, 1080i, 1080p video transmission
- Gold-on-gold contacts
- 360° continuous rotation

### Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

### Specifications

Item	
Operating Speed	Max.300 RPM*
Number of Circuits	1x HDMI + Signal / Power
Lead Wire	HDMI cable + Teflon wires
Voltage	240V AC/DC
Operating Temperature	-30°C to 80°C
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Al alloy / Stainless steel
Protection Grade	IP51, IP65 / IP68 optional

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

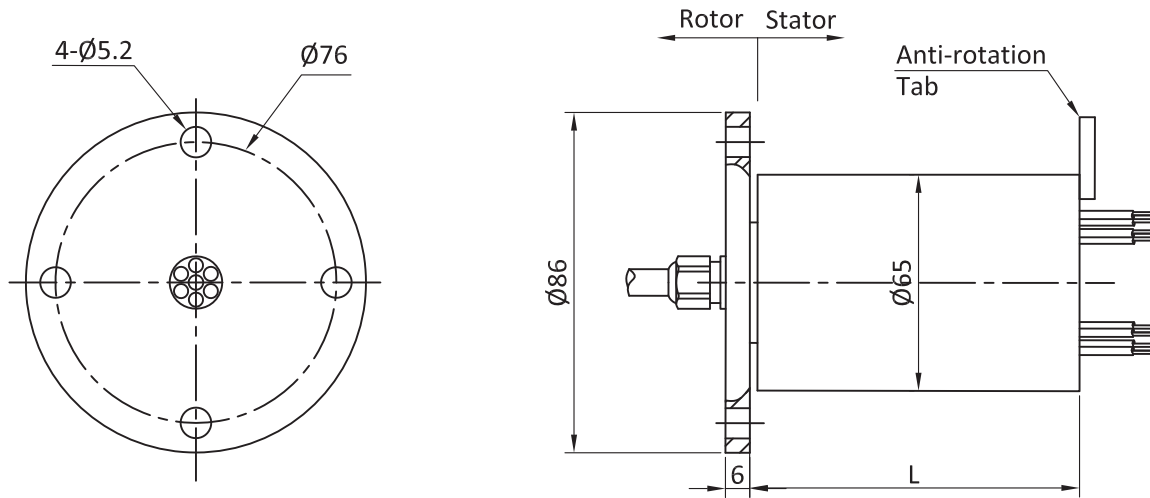
### Options

- Longer lead lengths available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

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HD1265

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**HD1265 Series Dimensions****Notes:**

1. Drawings not actual size, dimensions are in millimeters

**Part# List**

Model#	HDMI cable	Signal /Power	Voltage(V)	OD(mm)	Length(mm)
HD1256	1	As Your Request	240 / 440	65	-