HD-SDI(1920X1080P) Slip Rings

Features

Transmit 1080P,HD-SDI video and Power/signal under 360° unrestrained rotation； Less noise, long life ； Low torque, smooth rotation ； Electrical Noise<0.01Ω； Small compact construction,the frequency could be high to 2.5 GHz.



Options(On your request)

Number of Circuits、 Housing material、 IP class、 Higher operating speed、 Cable length、 Connectors、 Special cables、 Salt mist proof、 Operating temperature、 Housing can be mounted upside down

SDI series Slip Rings

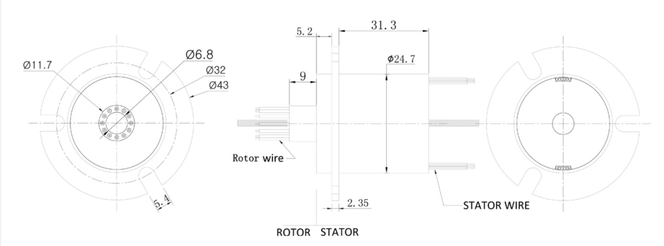
GET A QUOTE

Parts#	Circuits(Rings)
SDI-12	1XSDI+12X2A
SDI-16	1XSDI+16X2A
SDI-24	1XSDI+24X2A
SDI-30	1XSDI+30X2A

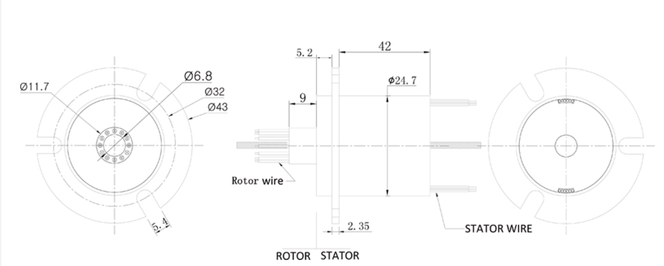
RF Rotory Joint Specifications			
Frequency rate	DC-3GHz	Insertion loss	0.65 dB /1GHz Max
Insertion loss typical	+/-0.05dB	Return loss	-18 dB / 1GHz Max
In put out put	RG -179/U	Max speed	150RPM
Volt wave ratio	VSWR≤1.3	wave ratio typical	+/-0.05
Working life	200million revolutions	Connector types	BNC / F
Impedance	75 ohms	Rating Current	DC 1A Max

Electrical Specifications			
Rating voltage	240 VDC/VAC	Contact material	Precious Metal:Gold-Gold
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

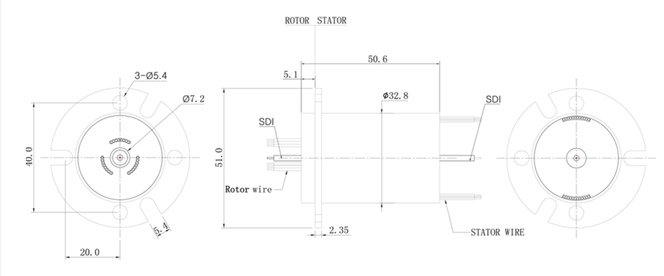
Drawings



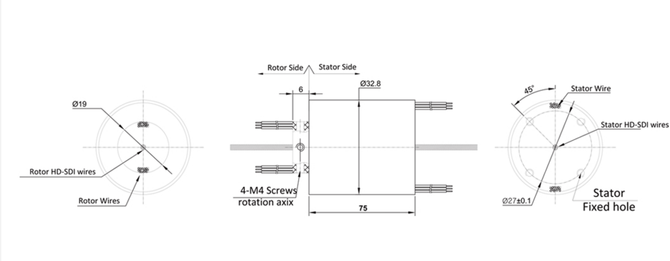
SDI-12



SDI-16



SDI-24



SDI-30

Color Code Seq

12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12,indicated with number code pipe.

Lead wire Color codes					
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

Typical applications

CCTV pedestal、 Automatic arm、 Medical equipments、 Rotary index table、 Production line, industry process equipments

Customized on your request

If you don't see what you want in this website,let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases the specifications in the catalog can be changed to include bore size, circuits number, higher current/voltage,flange, lead wire length,shielding,connectors,higher speed,IP68,military grade,higher temperature, mixed with pneumatic/hydraulic capability. Please ask if you don't see exactly what you need as only a small fraction of our Rion slip rings are included in this catalog!

For a detailed outline drawing/3D modal files of a specific model number, or to request a quotation, please contact your local sales representative or send an email to info@rionsr.com