



www.pan-link.cn

Panlink

Panlink focuses on high end slip rings' R&D and manufacturing for 16 years with nearly 100 employees and 3000 square meters production area.

The company has powerful R&D and management team providing cutting edge design and process technology. Product range is very diverse such as military, wind turbine, heavy machinery, large CT, hybrid slip rings etc. to worldwide clients.

Typical Applications

A slip ring can be used in any electromechanical system that requires unrestrained, intermittent or continuous rotation while transferring power and / or data.

- ◆ Defense
- ◆ Medical equipment
- ◆ Wind power
- ◆ Oil exploration
- ◆ Environment treatments
- ◆ Antenna systems
- ◆ Aviation & Navigation
- ◆ Robotics
- ◆ Port equipment
- ◆ Cable reel
- ◆ Offshore platform

Slip Ring Solutions

- ◆ Support all kinds of signals and communication protocols.
- ◆ Electrical, FORJ, RF and media channels can be flexibly combined.
- ◆ Experienced in slip ring solutions for used in SIEMENS and other brand servo-drive systems.
- ◆ Can provide suitable slip ring solutions for use in various harsh environments.

Communication Protocols

CANopen

EtherCAT

Modbus

PROFIBUS

OPC UA

DeviceNet

EtherNet/IP

PROFINET

CAMERA Link

SUPER SPEED+
USB
10Gbps

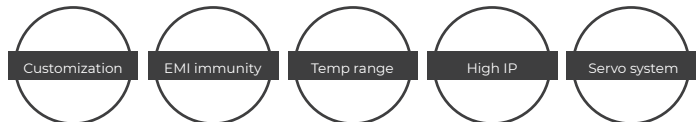
ASI
INTERFACE

HART
COMMUNICATION PROTOCOL

CAN

CC-Link V2

CAN FD



Practical Applications



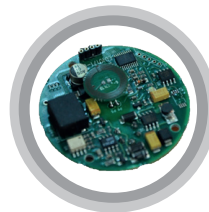
Multi-channel air hybrid slip ring



Multi-channel FORJ



Servo system slip ring



Non-contacting slip ring



Pancake slip ring

Slip Rings for Radar Systems



Multi-function, high speed data and remote transmission.

FEATURES

- Up to 50M revolutions long life
- Multi signals combination – video, RF and network
- EMI immunity and signal leak prevention
- Support multi-channel high speed data transfer
- Integrate with encoder, can detect rotating speed and angle
- Compact design and easy mounting

SPEC

- Fiber:** SM and MM optional
- Wavelength:** 650 - 1650 nm
- Insertion loss:** <2 dB (typical: <0.5 dB)
- Return loss:** >40 dB (typical: 45 dB, 2323 C), >50 dB (MJXA)
- Encoder:** incremental and absolute optional
- Pulse:** 512 - 10240



Coaxial / waveguide rotary joints for radar systems

Ultra Miniature Slip Rings for Airborne Fields

Recommended model: PSR-TM10S

PSR-TM10S is the first ultra-miniature slip ring in China market. With 5.9mm dia x 7.62mm flange, it can provide 1~10 circuits power and signal transfer. Stainless steel housing, hard gold contact materials, V-shape groove design, low torque, low wear, ensure sensor and thermocouples etc. weak signals' reliable transmission.

Typical applications

- Aircraft electro-optical pod
- Missile guidance system

Multi-circuits Military Slip Rings

Recommended model PSR-Ms

PSR-Ms series SR are specially designed for space technology experiments. 60-200 circuits optional, can provide power, analog and high speed digital signals transfer. Compliant with EMC and 3D vibration proof, ensure power and signal's stable transmission without interference.

Typical application

- Aerospace 3D simulation motion turntable



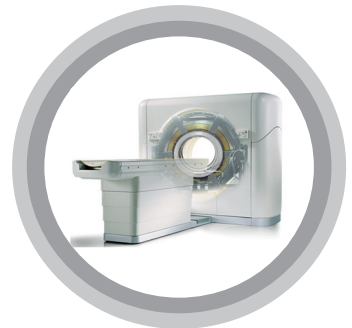
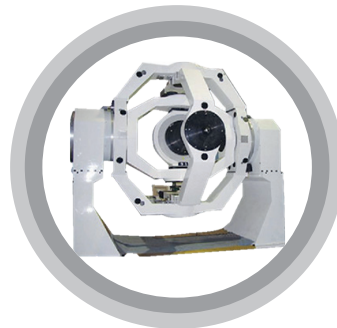
Hybrid Fiber-electrical Slip Rings

SPEC

- Contactless, no friction, long lifetime up to 50M revolutions
- Combine various signals - video, series data, network data
- No signal leakage, EMI immunity
- Support multi-channels high speed data transmission
- Small size, light weight, stainless steel, suitable for airborne or marine environments
- With pressure compensation, good sealing, can work in undersea 7000m or space environments

PARAMETERS

- Fiber:** SM or MM
- Wavelength:** 650 - 1650 nm
- Insertion loss:** <2 dB (typical: <0.5 dB)
- Return loss:** >40dB (typical: 45 dB, 2323 C), >50 dB (MJXA)



Slip Rings for Medical Equipment

Panlink is the first in China, also the third slip rings manufacturer in the world who is able to R&D and manufacture large diameter CT slip rings.

SPEC

- 0.5m – 2.7m through bore optional
- Operating speed up to 300rpm
- Voltage range up to 2,000 VDC
- Currents up to 300A
- Compliant with 100M and Gigabit Ethernet
- Non-contacting high-speed data transmission > 5 Gb/s

