

3G HD-SDI, 4K and 8K
Ultra HD Television



SPINNER Rotating Solutions for Camera Applications

HIGH FREQUENCY PERFORMANCE WORLDWIDE
www.spinner-group.com



SPINNER Rotating Solutions for Camera Applications

Designed to Save Space: Ideal for Use in Rotating Camera Applications

SPINNER's miniature slip ring/fiber optic rotary joint (FORJ) combinations with diameters as small as 22 mm enable interference-free video data transmission in 4K and 8K quality, also with fast-moving images. SPINNER has developed a globally unique solution and implemented it in the SPINNER type 1.14L. It is a robust, easy-to-use rotary joint for single-mode and multi-mode fibers.

Its main advantage over conventional rotary joints is an L-shaped (90°) fiber exit on the stator, which makes it highly space-saving. This design is ideal for use in camera systems, e.g. in drones and cable suspended camera systems in conjunction with small, compact slip rings for power supply.

Single-Channel Fiber Optic Solution

Applications

- Studio and outdoor use

Technical Details

- L-type FORJ with 1 channel single-mode or multi-mode
- 17 electrical signal paths
- Small diameter



Single-Channel Fiber Optic Solution – High Power

Applications

- Airborne, studio and outdoor use

Technical Details

- L-type FORJ with single-channel fiber optics
- Electrical high power - 8 signal paths



SPINNER Rotating Solutions for Camera Applications

Dual-Channel Fiber Optic Solution – High Power

Applications

- High power
- Airborne, studio and outdoor use

Technical Details

- 2 channels, single mode or multi-mode
- High power - 8 electrical signal paths



Dual-Channel BNC Rotary Joint

Applications

- Helicopter/airborne or outdoor use

Technical Details

- 2 channels with BNC connectors
- 8 signal paths



Applicable Standards

SMPTE 259	SD-SDI, 360 MBit/s
SMPTE 292	HD-SDI, 1.5 Gbit/s; dual link (SMPTE 372, 2K)
SMPTE 424	3G-SDI
DVB-ASI	Streaming format, 270 Mbit/s





HIGH FREQUENCY PERFORMANCE WORLDWIDE

SPINNER designs and builds cutting-edge radio frequency systems, setting performance and longevity standards for others to follow. The company's track record of innovation dates back to 1946, and many of today's mainstream products are rooted in SPINNER inventions. Industry leaders continue to count on SPINNER's engineering excellence to drive down their costs of service and ownership with premium-quality, off-the-shelf products and custom solutions. Headquartered in Munich, Germany, the global frontrunner in RF components remains the first choice in simple-yet-smart RF solutions.

www.spinner-group.com

SPINNER GmbH

Headquarters

Erzgiessereistr. 33
80335 Munich

GERMANY

Phone: +49 89 12601-0
Fax: +49 89 12601-1292
info@spinner-group.com

SPINNER Austria GmbH

Triester Str. 190
1230 Vienna

AUSTRIA

Phone: +43 1 66277 51
Fax: +43 1 66277 5115
info-austria@spinner-group.com

SPINNER Electrotécnica S.L.

c/ Perú, 4 – Local nº 15
28230 Las Rozas (Madrid)

SPAIN

Phone: +34 91 6305 842
Fax: +34 91 6305 838
info-iberia@spinner-group.com

OOO SPINNER Elektrotechnik

Kozhevnikeskaja str. 1, bld. 1
Office 420
115114 Moscow

RUSSIA

Phone: + 7 495 6385 321
Fax: + 7 499 2353 358
info-russia@spinner-group.com

SPINNER France S.A.R.L.

24 Rue Albert Priolet
78100 St. Germain en Laye

FRANCE

Phone: +33 1 74 13 85 24
info-france@spinner-group.com

SPINNER ICT Inc.

5126 S. Royal Atlanta Drive
Tucker, GA 30084-3052

USA

Phone: +1 770 2636 326
Fax: +1 770 9343 384
info-atlanta@spinner-group.com

SPINNER Nordic AB

Kråketorpsgatan 20
43153 Mölndal

SWEDEN

Phone: +46 31 7061670
Fax: +46 31 7061679
info-nordic@spinner-group.com

SPINNER Telecommunication

Devices (Shanghai) Co., Ltd.
351 Lian Yang Road
Songjiang Industrial Zone
Shanghai 201613

P.R. CHINA

Phone: +86 21 577 45377
Fax: +86 21 577 40962
info-china@spinner-group.com

SPINNER UK Ltd.

Suite 8 Phoenix House
Golborne Enterprise Park,
High Street
Golborne, Warrington
WA3 3DP

UNITED KINGDOM

Phone: +44 1942 275222
Fax: +44 1942 275221
info-uk@spinner-group.com