

New IEEE1394/s200 E/O Media Converter

Small-sized E/O media converter conforming to IEEE1394/S200 is newly developed by using POF and SMI connector

SRP-225SM

SRP-225SM meets ESKAMEGA, p1394.b compliant plastic optical fiber

Distance extended up to 20 meters over optical medium

SRP-225SM electrical/optical media converter extends transmission distance between a PC and a consumer electronics device such as DV camera up to 20 meters over plastic optical fiber (POF), ESKAMEGA, P1394b* compliant medium.

50m transmission possible when fixed at S100 speed

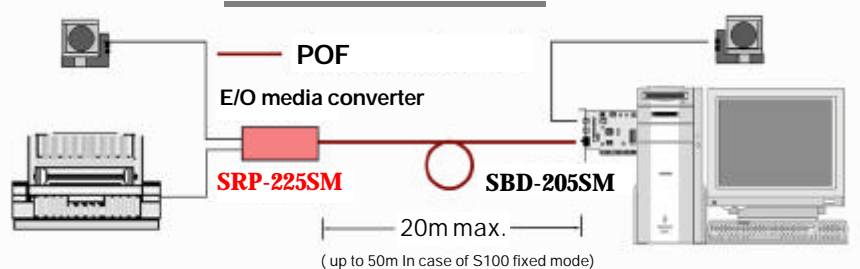
SRP-225SM features dual modes. Normal mode is optical S200/20m. S100 fixed mode enables distance increased up to 50m so that it is convenient to use DV camera for remote-controlled recording.

Possible to use as hub

Since SRP-225SM has two electrical ports (S400), it is possible to connect two devices simultaneously.

POF is an user-friendly medium

Plastic optical fiber requires no special skill for installation.
POF is less in weight and diameter than metal cable (STP).
POF is immune to EMI despite of high data rate.

Application Example

Specifications

1394 I/F standard

Optical port: P1394b* compliant
Metal port: IEEE1394-1995, 1394a-2000 compliant

Mode

Normal mode (S200/optical), S100 fixed mode
(manual switching)

Transmission Rate

Optical port: meets 100M, 200Mbps
(100Mbps only in case of S100 fixed mode)
Metal port: meets 100M, 200M, 400Mbps

Transmission Distance

Optical Port:
Normal mode (S200/Optical): 20m (Max.)
S100 fixed mode: 50m (Max.)
Metal Port: 4.5m (Max.)

Number of 1394 port

Optical port: 1 port (SMI connector)
Metal port: 2 ports (6 pin type)

1394 bus power supply

Metal port: DC12V for 1394 bus peripherals.
Max. supply current is 0.5A (two ports total)

Employed connector

Optical port: SMI type x 1 port
Metal port: IEEE1394 6 pin x 2 ports

Employed cable

Optical port: ESKAMEGA
Metal port: STP

Operation Voltage

DC8V ~ 40V

Consumption Current

1A (includes bus supply current 0.5A)

Operation Temperature

0 ~ 40°C, 20 ~ 85%RH

Size (H x W x D)

29 x 100 x 73 (mm)

Weight

180g

Power Adapter (included)

AC115V

Optical Fiber Cable (5m cable is included)

Type: ESKAMEGA MH4002
(low NA/SI-POF, P1394b* compliant)
Cable O.D.: 2.2mm x duplex (4.4mm)
Employed connector: SMI connector
Minimum bend radius: R25mm (max. 10 points)
Operation temperature: -20 ~ 70°C, 20 ~ 85%RH

SMI Connected Cable (ESKAMEGA)

5 meter connected cable is included. If you need a longer cable, please order separately by the designated cable length and corresponding part number.

	Part No.
5m	RFA4412M-050
10m	RFA4412M-100
20m	RFA4412M-200
30m	RFA4412M-300
50m	RFA4412M-500

P1394b is a standard that is intended to provide features of a higher speed and a longer single hop distance as a supplement to IEEE 1394-1995 and to IEEE 1394a-2000. The standard is currently under process to be issued, and is to be fully interoperable with these existing standards.

ESKA is a registered trademark of Mitsubishi Rayon Co., Ltd. Specifications are subject to change without notice.

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