OUT **C**   – ⊙ +   **IN**
5V

SACO
DATA EXTENDER

STATUS

OUT **B**   OUT **A**

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DATA EXTENDER

SACO DATA EXTENDER | CONTROLS

ACTUAL SIZE

SACO's Data Extender provides a compact and flexible solution for distributing SACO's video control data to multi-branch, long range systems. With the option of either fiber optic or RJ45 data input, it provides three data outputs, including a fiber optic output option. RJ45 outputs can be directly connected to SACO V-BRAIN controllers or to another Data Extender to create additional downstream branches.
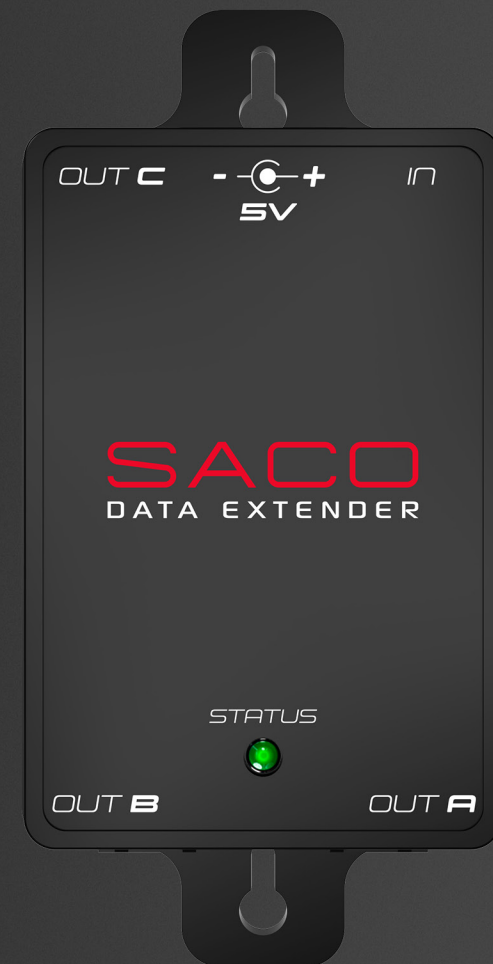
Based on our proprietary V-Stream communication protocol, the SACO Data Extender is fully integrated to SACO's line of video displays and video-enabled Shockwave light fixtures.

GO THE DISTANCE   Data extender when hooked to SFP optic fiber transceiver
Data splitter when hooked to SFP cat6 copper adapter
PLUG AND PLAY   Small but mighty offering long range solution

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SACO
DATA EXTENDER
FEATURES GUIDE

PHYSICAL

CONSTRUCTION	Injection molded polymer housing (0.070 "/1.8 mm thickness)
MOUNTING	Mounts to a surface with #6 screws with appropriate anchors (not supplied)
FINISH	Black
WEIGHT	0.3lbs (0.1kg)

THERMAL

OPERATING TEMP	32 °F to 113 °F (0 °C to 45 °C)
HEAT CONTROL	Convection passive air cooling

ELECTRICAL

INPUT VOLTAGE	5 VDC (power from LPS power supply)
INPUT CURRENT	2 A Maximum
POWER	10 W Maximum
POWER ADAPTER	Standard 15 W universal LPS AC power supply adapter Supplied adapter: CUI SMI18-5-V-PSR or equivalent (Saco #: LPS0000-00096)

CONNECTORS

POWER INPUT	Standard 5.5mm barrel receptacle (center positive)
DATA INPUT	1 x Small Form Pluggable socket (SFP) Supports 1 x Cat6 copper SFP adapter or 1 x LC duplex fiber optic SFP transceiver adapter
DATA OUTPUT	2 x standard RJ45 receptacles (outputs A and B) 1 x Small Form Pluggable socket (SFP) (output C) Output C supports 1 x LC duplex fiber optic SFP transceiver adapter

USER INTERFACE

HARDWARE	LED status indicator

ONE BOX, TWO SCENARIOS

OUTPUT A≠B	When a fiber input is used (fiber receiver configuration), 2 different V-Streams are presented on outputs A and B
OUTPUT A = B	When a copper input is used (data splitter configuration), the same V-Stream is presented on both outputs A and B

ACCESSORIES

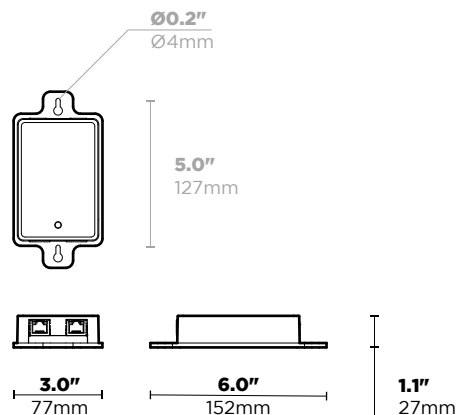|	
SFP ADAPTERS	Compatible with LC duplex optic fibre SFP transceivers Compatible with CAT6 copper SFP adapters or better instead

ADDITIONAL INFORMATION

WARRANTY	5 years
ORIGIN	Designed and made in North America

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DATA EXTENDER

SPECIFICATIONS GUIDE

MODEL #

 # DATA INPUT ADAPTER

01   Please specify number of input to be fitted with SFP adapters (Max 1) [1]

[1] Default option.

DATA INPUT ADAPTER TYPE

C   Cat6 copper SFP adapter [2]
FS   Single mode LC duplex fiber optic SFP transceiver [3]
FM   Multi mode LC duplex fiber optic SFP transceiver [4]

[2] Maximum range up to 410ft (125m) for SACO video signal speeds.
[3] Maximum range over 1970ft (600m) depends of fiber type.
[4] Maximum range under 1970ft (600m) depends of fiber type.

 # DATA OUTPUT ADAPTER (OUTPUT C)

01   Please specify number of outputs to be fitted with SFP adapters (Max 1)
NO   None

DATA OUTPUT ADAPTER TYPE (OUTPUT C)

FS   Single mode LC duplex fiber optic SFP transceiver [5]
FM   Multi mode LC duplex fiber optic SFP transceiver [6]

[5] Maximum range over 1970ft (600m) depends of fiber type.
[6] Maximum range under 1970ft (600m) depends of fiber type.

3 POSSIBLE CONFIGURATIONS:

FIBER RECEIVER ORDERING CODE	**SDE-01-Fx[7]-NO**
EXTENDED FIBER RECEIVER ORDERING CODE	**SDE-01-Fx[7]-01-FX**
DATA SPLITTER ORDERING CODE	**SDE-01-C-NO**

[7] Please refer to adapter types above for proper fiber mode. Consult SACO for optimal system configuration on your project.

Ø0.2"
Ø4mm

5.0"
127mm

3.0"
77mm

6.0"
152mm

1.1"
27mm

(MOUNTING DIMENSIONS IN GREY)

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V2.2-2020-06

DRY

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DATA EXTENDER

WIRING GUIDE

1 OUTPUT B - Network ready RJ45 receptable (10 / 100 Mbps)
2 OUTPUT A - Network ready RJ45 receptable (10 / 100 Mbps)

3 INPUT - Small Form Pluggable socket (SFP)
4 Power 5.5mm barrel jack (center positive)
5 OUTPUT C - Small Form Pluggable socket (SFP)

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