

ACTUAL SIZE

nano
VIDEO PROCESSOR

SACO NANO PROCESSOR | CONTROLS

The NANO is SACO's video processing powerhouse using state-of-the-art electronics. It's designed to process and transmit high-speed video signals.

Based on SACO's proprietary V-Stream communication protocol, the NANO is fully integrated to SACO's line of video displays and video-enabled Shockwave light fixtures.

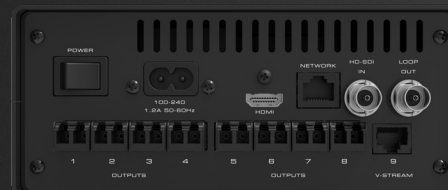
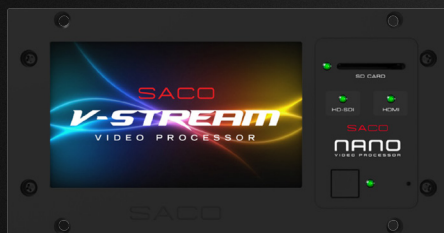
HD QUALITY	SACO's proprietary high-speed, high-resolution video pixel control.
DEEP COLOR	16-bit data sampling per channel for smooth gradients, with 65,536 shades per color. Extensive dynamic gamut of over a billion colors per pixel.
MODULAR	Supports up to two live inputs (non-simultaneous). Frame locking enables processor stacking, if feed stitching is needed.
PICTURE PERFECT	Built-in frame buffer for advanced live image enhancing functions. Resizing engine for image mapping perfection.

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FEATURES GUIDE



PHYSICAL

CONSTRUCTION	Die-formed laser cut high grade 5052-H32 aluminum housing (0.063 "/>
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THERMAL

OPERATING TEMP	32°F to 113°F (0°C to 45°C)
HEAT CONTROL	Forced air cooling by DC blower

ELECTRICAL

INPUT VOLTAGE	85-264 VAC (50-60 Hz)
INPUT CURRENT	1.2A Maximum
POWER	55W Maximum

CONNECTORS

POWER INPUT	Standard IEC C7 receptacle
DATA INPUT	1 x standard HDMI 1.4 compliant receptacle 1 x standard HD-SDI / 3G-SDI coaxial receptacle 1 x standard network ready RJ45 receptacle (10/100 Mbps)
DATA OUTPUT	V-Stream data protocol with speeds up to 2.5 Gb/s 1 x dedicated V-Stream RJ45 receptacle 1 x standard HD-SDI coaxial receptacle for monitoring (reclocked SDI loop-through) 8 x Small Form Pluggable sockets (SFP) Supports up to 8 x Cat6 copper SFP adapters or 8 x LC duplex fiber optic SFP transceiver adapters

USER INTERFACE

HARDWARE	4.3in touch-screen for feed and parameters monitoring LED status indicators
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VIDEO PROCESSING ENGINE

IMAGE RESIZING	Crop, position and scale video inputs to match screen aspect ratio
IMAGE ENHANCING	Auto-sensing color space converter for accurate color reproduction (SDI only) Black level, contrast, brightness
FILM MODE	Frame-lock function to synchronize video displays with the cameras

ACCESSORIES

SACO DATA EXTENDER	Compact and flexible solution for long-run and multi-branch systems See specification guide for details
SFP ADAPTERS	Compatible with LC duplex optic fibre SFP transceivers Compatible with CAT6 copper SFP adapters

ADDITIONAL INFORMATION

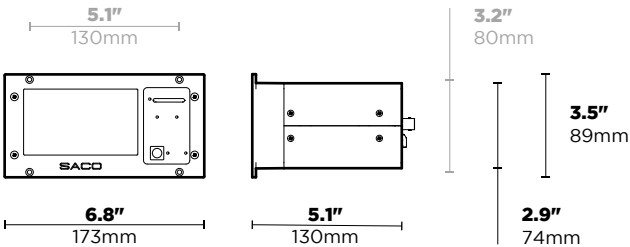
WARRANTY	5 years
ORIGIN	Designed and made in North America



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SPECIFICATIONS GUIDE



(MOUNTING DIMENSIONS IN GREY)

PRODUCT ORDERING CODE

	MODEL #
	# DATA OUTPUT ADAPTERS
--	Please specify number of outputs to be fitted with SFP adapters (Max 8)
	DATA OUTPUT 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.



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WIRING GUIDE



- 1** 2U height 1/3 rack length
- 2** Touch panel for feed monitoring and easy command and control
- 3** SACO SD card slot for SACO support
- 4** Monitoring and status indicators

- 5** Multiprocessor stacking for unlimited feed stitching
- 6** Front mounted power switch
- 7** 16-bit data sampling per channel (65,536 shades per color)



- 8** Small Form Pluggable sockets (SFP)
8x V-Stream copper RJ45 direct outputs
16x V-Stream fiber optic outputs
- 9** 2 independent input channels (HDMI 1.4 and SDI)
- 10** Dedicated V-Stream copper RJ45 output.

- 11** 85-264 VAC power input
- 12** Back mounted power switch