SOFIA 567

AM SiteStreamer+™

Inovonics' SiteStreamers™ are Web-enabled monitor radios that let you listen to your station from anywhere in the world. In addition to remote listening, SiteStreamers also deliver important RF and audio metrics and can dispatch email or text-message alarms for reception errors and out-of-limits conditions.

The elite SiteStreamer+ ('Plus') series offers advanced features for the most critical monitoring situations.

The SOFIA 567 provides analog, AES3-digital and AoIP-streaming audio outputs. Multiple stations can be sequentially monitored using the programmable StationRotation™ feature. The SOFIA 567 includes a built-in BandScanner™, a real-time clock and full SNMP functionality.
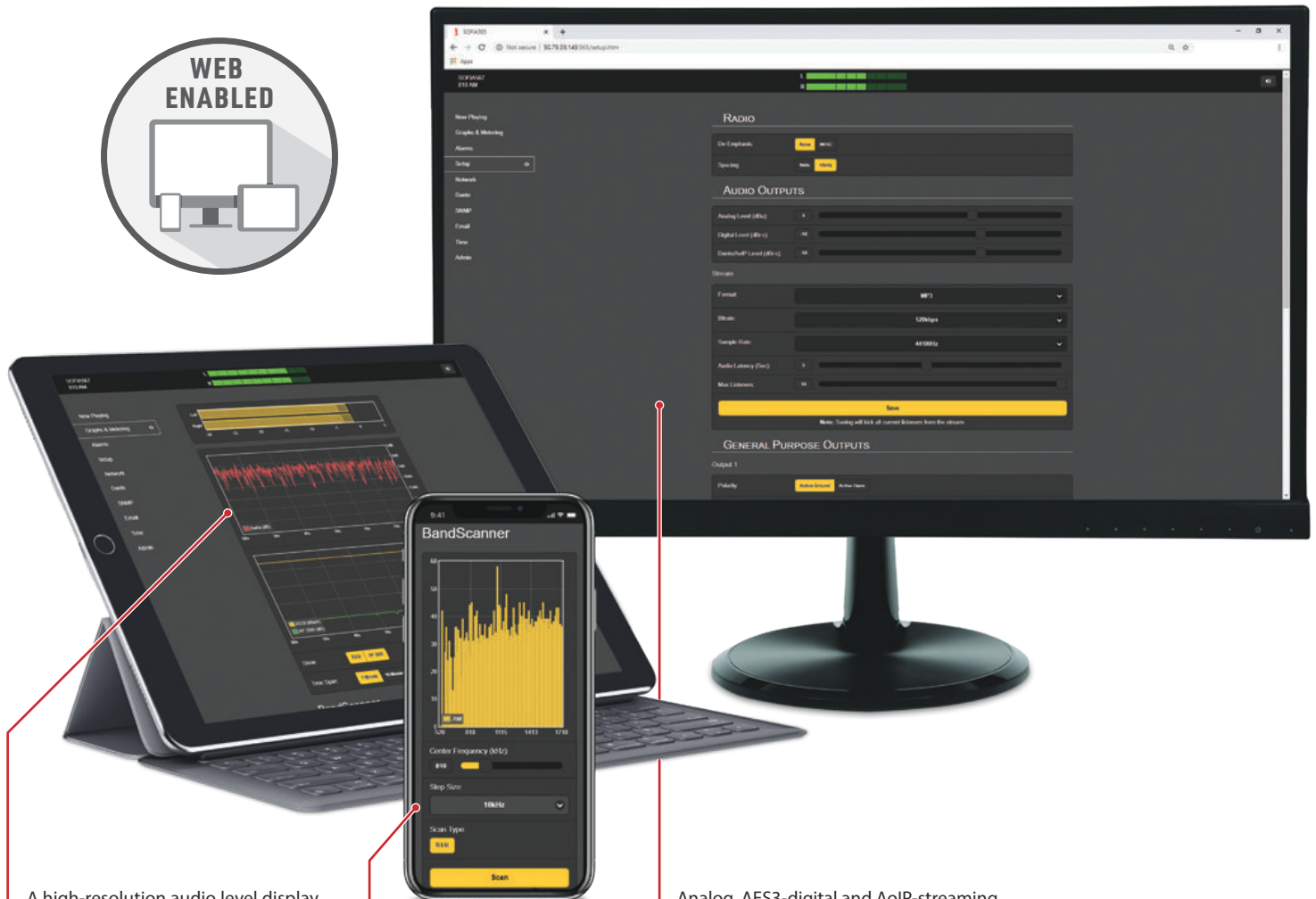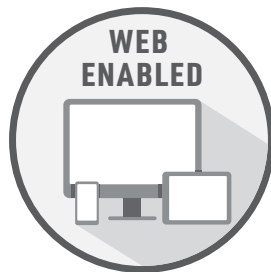
BASIC SITESTREAMER™ FEATURES

- Install the SiteStreamer within the reception contour of your station and monitor off-air AM broadcasts via the Web from anywhere in the world.

- Stays on-channel and holds settings through signal and power loss.

- The built-in BandScanner displays a spectrum plot of the entire AM band, or can zoom-in on a specific portion.

- Easy front-panel setup uses jog-wheel menu navigation and the front-panel readout. The corresponding Web interface offers a detailed presentation and additional options.

- Front-panel alarms and rear-panel 'tallies' for Audio Loss, Low Signal, or Overmodulation conditions.

- Separate Admin and User passwords limit remote access to setup menus.

- When issued, free firmware updates are easily installed in the field.

SOFIA 567 SITESTREAMER+™ ADDED FEATURES

The half-rack package features an OLED hi-res graphic display, widerange LED level meters and individual alarm LEDs with rear-panel tallies.

Real-Time Clock has battery backup.

Fulltime off-air program audio is available simultaneously as L/R-analog, AES3-digital and Dante/AES67 AoIP streaming, all with adjustable levels, plus a multi-listener Internet IP stream and front-panel headphone jack.

SNMP utility is fully supported.

GPOs may be user-assigned to specific alarm functions.

Optional rack adapter mounts three INOmini ⅓-rack sized units, two ½-rack sized units, or any combination of one INOmini with one ½-rack size unit.

WEB ENABLED

A high-resolution audio level display is coupled with a rolling histogram of program dynamics for a representation of modulation density (loudness) over time. Incoming carrier level and RF SNR metrics are captured over the same time period, and the graphic display can show the past minute, 10 minutes, 1 hour, 6 hours or 24 hours.

The BandScanner utility gives a spectrum analysis of the entire AM band or a selected portion.

Analog, AES3-digital and AoIP-streaming audio outputs are simultaneously available with independently adjustable audio levels. The Web/IP-streaming utility has selectable format (MP3/OGG), bitrate and sampling rate, plus dial-in latency and 'maximum listeners' settings to optimize operation over poor Internet paths.

PLUS:

- The SOFIA 567 Internet-listening stream supports up to 10 listeners at once.

- Enhanced alarm logging includes the duration of each alarm, and there is virtually no limit to the number of alarms that can be logged.

- Download a complete log randomly, or automatically daily, weekly or monthly.

TECHNICAL SPECIFICATIONS

Tuning Range:
520kHz-1710kHz with either 10kHz (American) or 9kHz (European) channel spacings.

Antenna Input:
Nominally 50Ω (BNC); accepts passive loop or random-wire antenna.

Sensitivity/SNR:
60dBµV metered level required for 50dB unweighted SNR.

Off-Air Frequency Response: ±3dB, 50Hz-5.5kHz.

De-Emphasis: Selectable NRSC truncated-75µs or none.

Receiver Bandwidth:
IF bandwidth selections give 6kHz, 4kHz, 3kHz or 2kHz (–6dB) audio response.

Graphs and Metering:
Program audio modulation, RSSI and RF SNR measurements and histograms.

Program Audio Outputs:
Balanced Analog: (XLR) 'Dual Mono' (Left and Right) outputs are adjustable from –15dBu to +15dBu in 0.1dB steps.
AES Digital: (XLR) output at 44.1kHz or 48kHz, adjustable from –30dBFS to 0dBFS in 0.1dB steps.
Dante/AES67 Compatible: (RJ45) AoIP output at 44.1kHz (Dante) or 48kHz (Dante/AES67) is adjustable from –30dBFS to 0dBFS in 0.1dB steps.
Headphone Jack: (3.5mm TRS) has adjustable listening level.
Streaming Audio: Web-browser 'remote listening' stream has MP3 or OGG (selectable) encoding with bitrates from 32kbps to 256kbps and sampling rates from 16kHz to 48kHz; accommodates up to 10 simultaneous listeners. Stream available as HTTP/Icecast or raw UDP.

Alarms:
Audio Loss: 'Silence Sensor' alarm with programmable On/Off thresholds and Time On/Off intervals.
Low Signal: Alarm and reset trigger levels are independently adjustable relative to the AM carrier level display and have programmable Time On/Off settings.
Overmodulation: Carrier modulation in excess of a preset limit with programmable threshold and Time On/Off settings.
Email Alerts: Email or SMS/text-messaging can alert selected personnel to specific alarms.
Alarm 'Tallies': Individual open-collector NPN transistor outputs to ground are programmable for logic polarity and GPO assignment.

Real-Time Clock:
Auto-sets to Internet time; auto/manual DST setting; battery backup.

AoIP Port:
Dante®-based, AES67-compatible (selectable) AoIP utility has independent IP, Audio Format and Transmit Flow settings.

LAN Port:
LAN connection to local network or Internet provides remote monitoring (listening and SOFIA 567 control); user-programmable network setup and streaming parameters.

SNMP: Full remote functionality; resident MIB file.

Power Requirement:
12VDC at 390mA. A universal 88-264VAC, 50/60Hz inline switching power supply is supplied with the SiteStreamer+.

Mounting Options:
An optional rack adapter mounts one or two half-rack modules in a 1U, 19-inch rack space.

Size and Weight:
1.6"H x 8"W x 6"D; 5 lbs. shipping weight.

MADE IN USA