



# Salient Sciences



**Federal Supply Schedule**  
**Contract No. GS-03F-4062B**

**GENERAL SERVICES ADMINISTRATION**

**Federal Supply Service**

**Authorized Federal Supply Schedule Price List**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA Advantage!**<sup>™</sup>, a menu-driven database system. The INTERNET address for **GSA Advantage!**<sup>™</sup> is: <http://www.gsa.gov>.

Title (Commodity): Professional Audio/Video  
Telecommunications and Security Solutions

General Description of Commodity: Audio/Video Clarification Tools, Recorders,  
and Transmitters

FSC Group 58, Part III, Section B  
FSC Class: 5835

**CONTRACT NUMBER: GS-03F-4062B**

(Modification Number PS-0063)

CONTRACT PERIOD: April 1, 1994 through March 31, 2014

**Digital Audio Corporation**  
**d/b/a Salient Sciences**

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Durham, NC 27703

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BUSINESS SIZE: Small

Customer Information: Page 2

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Effective  
1 December 2013

## CUSTOMER INFORMATION

1. Table of awarded special item number with appropriate cross-reference to catalog page number:
  - Special Item Number 58-1 *Recording and Reproducing Video and Audio Equipment, Including Spare & Repair Parts, and Accessories:* catalog pages 3-5
  - Special Item Number 58-4 *Audio Equipment, Including Spare Parts and Accessories:* catalog pages 6-15
  - Special Item Number 58-8 *Professional Audio/Video Assessment, Design, and Integration:* catalog pages 16-19
2. Maximum Order: Contractor reserves the right to refuse by written notice within five business days any single order larger than \$500,000.
3. Minimum Order: The minimum dollar value of orders to be issued under this contract is \$100.
4. Geographic Coverage: Continental States, Alaska, Hawaii, Puerto Rico.
5. Point of Production: Manufacturer's facility in Durham, Durham County, North Carolina.
6. Discounts: Basic Discounts - Prices listed herein are "NET;" basic discounts have been deducted from commercial price list. Any of the products listed as special item numbers 58-1 and 58-4 may be combined on a single order to qualify for the quantity discount prices. Discounts are relative to commercial price list.
7. Quantity Discounts: For all products under Special Item Numbers 58-1 and 58-4, quantity 1-2 (~ 8.75%); quantity 3 -19 (~9.75%); quantity 20 or more (~11.25%) – Net IFF. For all services under Special Item Number 58-8, 8.75% standard discount (Net IFF); quantity discounts may be negotiated on a project-specific basis.
8. Prompt Payment Terms: For all products under Special Item Numbers 58-1 and 58-4, 1% 20 days from receipt of invoice or date of acceptance, whichever is later. For all services under Special Item Number 58-8, no additional discount; NET 30 days from receipt of invoice or date of acceptance, whichever is later.
- 9a. Government Commercial Credit Card: Accepted.
- 9b. Discount for payment of Government Commercial Credit Card: None.
10. Foreign Produced Items: BUTTERFLY and VAMPIRE recorder products are manufactured in Czech Republic.
- 11a. Time of Delivery: 45 days after receipt of order.
  - 11b. Expedited Delivery: All products in this Federal Supply Schedule Price List are available on an expedited basis. Contact the contractor to determine best available delivery. Expedited delivery carries a 5% premium.
  - 11c. Overnight and 2-Day Delivery: Contractor does not normally stock products. Contact the contractor to determine best available delivery and any additional charges applicable.
  - 11d. Urgent Requirements: Contractor does not normally stock products. Contact the contractor to determine best available delivery and any additional charges applicable.
12. F.O.B. Points: Destinations within Continental States, Alaska, Hawaii, Puerto Rico, and Washington, D.C.
13. Ordering Address: 4018 Patriot Drive, Suite 300, Durham, North Carolina 27703.
14. Payment Address: 4018 Patriot Drive, Suite 300, Durham, North Carolina 27703.
15. Warranty Provision: All hardware procured here under is guaranteed for a period of 24 months from delivery, except for expendable items such as cassettes and media cards; during this period, all broken or defective parts not caused by accident or misuse through fault or negligence by the Government will be replaced (including parts and labor) at the contractor's expense, including transportation costs, if any. All procured software products are licensed "as-is", with full entitlement to download from the contractor's servers all patches, updates, and upgrades to the purchased product for a period of 12 months after delivery; thereafter, software maintenance must be purchased to continue entitlement to later version updates.
16. Export Packing Charges: Outside the scope of this contract.
17. Terms and Conditions of Government Commercial Credit Card: Credit cards accepted.
18. Terms and Conditions of Rental, Maintenance, and Repair: Outside the scope of this contract.
19. Terms and Conditions of Installation: Outside the scope of this contract.
20. Terms and Conditions of Repair Parts Indicating Date of Parts Pricelists and Any Discounts from List Prices: Outside the scope of this contract.
21. Service and Distribution Point: 4018 Patriot Drive, Suite 300, Durham, NC 27703.
22. List of Participating Dealers: None.
23. Preventive Maintenance: Outside the scope of this contract.
24. Year 2000 (Y2K) compliant: Compliant
25. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: We incorporate environmentally sound practices into all aspects of our business.
26. Data Universal Number System (DUNS) number: 099168312
27. System for Award Management (SAM) database: Registered in SAM (<http://www.sam.gov>); CAGE Code is 0E3F1.

## SPECIAL ITEM NO. 58-1

All prices listed are Government net price. Discounts have been deducted.  
For detailed equipment specifications, please contact Salient Sciences.

### Video Forensics Solutions

#### VideoFOCUS Software (Overview)

*Built from its beginnings as a digital video forensics tool, VideoFOCUS provides powerful capabilities with evidentiary data integrity and resolution absolutely ensured. Unlike traditional timeline-based video editors, which often include extensive menus of features oriented toward commercial video production that would never be used in forensic video work, the intuitive user interface of VideoFOCUS makes it extremely fast and easy to use.*

*Key capabilities of VideoFOCUS include: direct digital video import and export, digital video screen capture, analog video screen capture, video de-multiplexing and de-interlacing, object tracking, camera stabilization, and powerful video and image filtering functions. Importantly, the patented super-resolution filter in VideoFOCUS enables the extraction of high-quality still images from grainy or compressed video by combining the unique pixel information of a given scene across successive frames or fields. Finally, player-based cut, copy, and paste editing allows quick assembly of end-product videos for dissemination and presentation in court.*

VideoFOCUS is available as two separate products, VFPro and VFSource:

- VFPro is our most advanced, flagship product providing all of our capabilities that is meant as a complete laboratory solution for forensic video analysts, and;
- VFSource is our more basic screen capture, conversion, and still-image generation product, usable either in the field for quick video retrieval and review or back at the lab for applications that do not require the more advanced video and image editing, filtering, and stabilization features of VFPro.

*A dedicated software maintenance and R&D program ensures that VideoFOCUS continually advances in capability and keeps pace with the rapid changes in digital video and audio recording technology and formats. Annual upgrade and support packages are available for both VFPro and VFSource.*

#### ◆ VideoFOCUS Pro Software

VideoFOCUS Pro 4.0 Software (Persistent License, Soft or Dongle). Purchase entitles user to one permanent seat of VFPro software at current version, with first year of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**GSA net price qty 1-2, \$13,596; qty 3-19, \$13,447; qty 20 or more, \$13,224**

#### ◆ VideoFOCUS Pro Software BUNDLE 2

VideoFOCUS Pro 4.0 Software, 2-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 2 permanent seats of VFPro software at current version, with first year of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**GSA net price qty 1-2, \$22,721; qty 3-19, \$22,472; qty 20 or more, \$22,099**

#### ◆ VideoFOCUS Pro Software BUNDLE 3

VideoFOCUS Pro 4.0 Software, 3-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 3 permanent seats of VFPro software at current version, with first year of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**GSA net price qty 1-2, \$31,755; qty 3-19, \$31,407; qty 20 or more, \$30,885**

#### ◆ VideoFOCUS Pro Software BUNDLE 4

VideoFOCUS Pro 4.0 Software, 4-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 4 permanent seats of VFPro software at current version, with first year of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**GSA net price qty 1-2, \$40,789; qty 3-19, \$40,342; qty 20 or more, \$39,671**

#### ◆ VideoFOCUS Pro Crisis Response BUNDLE 20

VideoFOCUS Pro, 20-Seat Crisis Response Bundle (Prepaid 90-Day Subscription License, Soft Only). Purchase entitles user to 20 seats of the latest version VFPro software, including all maintenance and updates, each of which can be activated by the user as a short-term, crisis response measure at anytime in the future. Each seat, once activated, will function for 90 days and then cease to operate.

**GSA net price qty 1-2, \$14,418; qty 3-19, \$14,260; qty 20 or more, \$14,023**

#### ◆ VFPro Maintenance

One-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 1-year maintenance period.

**GSA net price qty 1-2, \$1,643; qty 3-19, \$1,625; qty 20 or more, \$1,598**

#### ◆ VFPro 2YR Maintenance

Two-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 2-year maintenance period. **Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.**

**GSA net price qty 1-2, \$3,011; qty 3-19, \$2,978; qty 20 or more, \$2,929**

#### ◆ VFPro 3YR Maintenance

Three-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 3-year maintenance period. **Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.**

**GSA net price qty 1-2, \$4,106; qty 3-19, \$4,061; qty 20 or more, \$3,994**

#### ◆ VFPro 3.1 Upgrade to 4.0

One-time update of one seat of VideoFOCUS Pro Software to Version 4.0. From VFPro 3.1.

**GSA net price qty 1-2, \$3,285; qty 3-19, \$3,249; qty 20 or more, \$3,195**

#### ◆ VFPro 3.0 Upgrade to 4.0

One-time update of one seat of VideoFOCUS Pro Software to Version 4.0. From VFPro 3.0.

**GSA net price qty 1-2, \$4,928; qty 3-19, \$4,874; qty 20 or more, \$4,793**

#### ◆ VFPro 2.5 Upgrade to 4.0

One-time update of one seat of VideoFOCUS Pro Software to Version 4.0. From VFPro 2.5 or earlier.

**GSA net price qty 1-2, \$8,213; qty 3-19, \$8,123; qty 20 or more, \$7,988**

#### ◆ VFSource Software

VFSource 4.0 Software Package, US (Persistent License, Soft or Dongle). Purchase entitles user to one permanent seat of VFSource software at current version, with first year of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**GSA net price qty 1-2, \$3,645; qty 3-19, \$3,605; qty 20 or more, \$3,546**

◆ **VFSource Maintenance**

One-Year Upgrade and Support Package for one seat of VFSource Software. Purchase entitles user to all new version updates that become available during the maintenance period; must be renewed annually to maintain continuous entitlement to latest version.

**GSA net price qty 1-2, \$548; qty 3-19, \$542; qty 20 or more, \$533**

◆ **VFSource 2YR Maintenance**

Two-Year Upgrade and Support Package for one seat of VFSource Software. Purchase entitles user to all new version updates that become available during the 2-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**GSA net price qty 1-2, \$1,004; qty 3-19, \$993; qty 20 or more, \$976**

◆ **VFSource 3YR Maintenance**

Three-Year Upgrade and Support Package for one seat of VFSource Pro Software. Purchase entitles user to all new version updates that become available during the 3-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**GSA net price qty 1-2, \$1,369; qty 3-19, \$1,354; qty 20 or more, \$1,331**

## SPECIAL ITEM NO. 58-4

All prices listed are Government net price. Discounts have been deducted.  
For detailed equipment specifications, please contact Salient Sciences.

### Audio Forensics Solutions

#### CARDINAL MiniLab Forensic Audio Plug-Ins (Overview)

CARDINAL MiniLab is a comprehensive set of software-based plug-ins that provides the same powerful filters that are found on the DSP hardware-based CARDINAL AudioLab workstations, with a familiar user interface to the many forensic audio experts throughout the world that have been trained on these and other Digital Audio Corporation (now Salient Sciences) audio clarification products. Based on VST technology, the MiniLab plug-ins operate within your favorite digital audio workstation environment, such as Adobe Audition, Sony Sound Forge, Acon Acoustica, iZotope, or Audacity, and are capable of reducing many different types of noises in voice recordings, including tonal noises, room "rumble", hum, engine noises, motors and fans, static, hiss, and background interferers (such as radio or television). Certain MiniLab plug-ins can also correct both acoustical and equipment effects that degrade voice intelligibility, such as muffling, spectral coloration, echo/reverberation, near/far party problems, microphone concealment issues, and poor frequency response of the equipment. Each MiniLab plug-in includes a dual-trace spectral analysis capability, allowing visual comparison of before and after audio, plus other visualizations as may be required by the specific tool, such as coefficient display, frequency response curve, etc. With the exception of the Filter Chain plug-in, which is only available with the Advanced Suite, all MiniLab plug-ins are available for sale either individually or as bundled suites. If required, your choice of host editor software can be provided at extra charge.

#### Bundled Suite Pricing (Boxed Media Purchase):

##### ◆ MiniLab Forensic Suite

The CARDINAL MiniLab Suite contains the following nine software plug-ins: 1CH Adaptive, Spectral Inverse, Multi-Band, Comb, Spectral Subtraction, X-Pass, Graphic EQ, Parametric EQ, and Gain.

**GSA net price qty 1-2, \$3,645; qty 3-19, \$3,605; qty 20 or more, \$3,546**

##### ◆ MiniLab Advanced Suite

The CARDINAL MiniLab Advanced Suite contains the nine software plug-ins included in the MiniLab Suite, plus the Reference Cancellor Plug-In. Additionally, a special Filter Chain plug-in is provided, which allows combining multiple MiniLab filtering plug-ins within what appears to the host editor as a single plug-in. Factory preset solutions to common noise and effect issues are included.

**GSA net price qty 1-2, \$5,014; qty 3-19, \$4,959; qty 20 or more, \$4,877**

#### Individual Plug-In Pricing (License Key Purchase with Software Download):

##### ◆ MiniLab Reference Cancellor Plug-In

The CARDINAL MiniLab Reference Cancellor Plug-In provides for reduction of interfering noises from the original, or "primary", signal by means of a second, or "reference", input signal which, ideally, contains only the noise to be reduced. Features include adjustable Filter Size (8192 taps maximum), Delay, Delay Channel, Adapt Rate, and Processor Output; Conditional Adaptation; Coefficient Display graph; selectable Reference input (left or right channel); and optional resampling to 16kHz. This plug-in is included in the Advanced Suite ONLY.  
**GSA net price qty 1-2, \$1,364; qty 3-19, \$1,349; qty 20 or more, \$1,327**

##### ◆ MiniLab 1CH Adaptive Plug-In

The CARDINAL MiniLab Reference Cancellor Plug-In provides for reduction of interfering noises from the original, or "primary", signal by means of a second, or "reference", input signal which, ideally, contains only the noise to be reduced. Features include adjustable Filter Size (8192 taps maximum), Delay, Delay Channel, Adapt Rate, and Processor Output; Conditional Adaptation; Coefficient Display graph; selectable Reference input (left or right channel); and optional resampling to 16kHz. This plug-in is included in the Advanced Suite ONLY.  
**GSA net price qty 1-2, \$1,364; qty 3-19, \$1,349; qty 20 or more, \$1,327**

##### ◆ MiniLab Spectral Inverse Plug-In

The CARDINAL MiniLab Spectral Inverse Plug-In provides automatic reshaping of the frequency response to compensate for muffling, resonance, and other spectral coloration effects that are typically due to microphone concealment and placement issues. Key features include adjustable Lower and Upper Voice Limits, selectable Filter Operation (Equalize Voice or Attack Noise), selectable Output Shape (Flat, Pink, Voice, or Custom), and optional resampling to 16kHz. The Spectral Inverse Filter (SIF) features adjustable Filter Amount and Gain, while the Adaptive Spectral Inverse Filter (ASIF) additionally features adjustable Adapt Rate and an Auto Gain function. This plug-in is included in both the Forensic Suite and the Advanced Suite.  
**GSA net price qty 1-2, \$908; qty 3-19, \$898; qty 20 or more, \$883**

#### ◆ **MiniLab X-Pass Plug-In**

The CARDINAL MiniLab X-Pass Plug-In incorporates true linear-phase implementations of the classical Lowpass, Highpass, Bandpass, Bandstop, Notch, and Slot filters into a single tool, allowing precise, intuitive bandlimiting, band rejection, and “shelving” of the signal spectrum as desired. The Lowpass and Highpass filters feature adjustable Cutoff Frequency, Attenuation, and Transition Slope parameters. The Bandpass and Bandstop filters feature adjustable Lower and Upper Cutoff Frequency, Attenuation, and Transition Slope. The Notch and Slot filters feature adjustable Notch/Slot Frequency, Width, and Depth/Stopband Attenuation. All filters feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$224; qty 3-19, \$221; qty 20 or more, \$217**

#### ◆ **MiniLab Multi-Band Plug-In**

The CARDINAL MiniLab Multi-Band Plug-In provides either reduction or enhancement of multiple tonal signal components via the true linear-phase Multiple Notch and Multiple Slot filters. This plug-in features independently adjustable Notch/Slot Frequency, Width, and Depth for an unlimited number of notches/slots, plus optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$452; qty 3-19, \$447; qty 20 or more, \$439**

#### ◆ **MiniLab Comb Plug-In**

The CARDINAL MiniLab Comb Plug-In provides reduction of harmonically-structured tonal noises such as AC mains hum and GSM cell phone interference, using a delay-and-difference comb filter. Key features include adjustable Comb Frequency, Notch Limit, and Depth, with a user-selectable Auto Tracking function for the frequency setting, a Notch Harmonics function (All, Even, or Odd), and optional resampling to 16kHz. This plug-in is included in both the Cardinal MiniLab Suite and the Cardinal MiniLab Advanced Suite product.

**GSA net price qty 1-2, \$452; qty 3-19, \$447; qty 20 or more, \$439**

#### ◆ **MiniLab Spectral Subtraction Plug-In**

The CARDINAL MiniLab Spectral Subtraction Plug-In provides general “de-noising” of residual broadband signals such as static and hiss via the NoiseEQ and Noise Reducer filters. The Noise EQ filter features separate noise reduction controls for each of 20 separate frequency bands, while the Noise Reducer filter provides a simple, single noise reduction control for the entire spectrum. Additional features include adjustable Output Gain and optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$360; qty 3-19, \$356; qty 20 or more, \$351**

#### ◆ **MiniLab Parametric EQ Plug-In**

The CARDINAL MiniLab Parametric EQ Plug-In provides an “analog-like”, non-linear-phase reshaping of the signal spectrum by means of eight cascaded, adjustable bandpass filters, or “stages”. Each stage features adjustable Center Frequency, Width Factor, and Boost/Cut parameters. Additional features include Output Gain/Attenuation and optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$224; qty 3-19, \$221; qty 20 or more, \$217**

#### ◆ **MiniLab Graphic EQ Plug-In**

The CARDINAL MiniLab Graphic EQ Plug-In provides true linear-phase, precision reshaping of the signal spectrum, via the 20-Band Graphic and Hi-Res Graphic Equalizers. The 20-Band Graphic Equalizer filter provides the classic multi-band graphic EQ with 20 adjustable frequency “sliders”, while the Hi-Res Graphic Equalizer permits precisely drawing and manipulating the desired EQ curve using the mouse. Both filters feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$224; qty 3-19, \$221; qty 20 or more, \$217**

#### ◆ **MiniLab Gain Plug-In**

The CARDINAL MiniLab Gain Plug-In provides dynamic level processing to correct for audio level issues as near/far party voices due to different distances of talkers from the microphone, via the Automatic Gain Control (AGC) and the Limiter/Compressor/Expander (LCE). The AGC features adjustable Release Time and Maximum Gain. The Limiter/Compressor/Expander features three adjustable regions (limiter, compressor, and expander), adjustable Compression and Expansion Ratios, adjustable Attack and Release Times, and adjustable Look Ahead Time. Both filters included in this plug-in feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**GSA net price qty 1-2, \$224; qty 3-19, \$221; qty 20 or more, \$217**

## **CARDINAL AudioLab Forensic Audio Workstation (Overview)**

*Fully integrating the capabilities of both hardware and software, the CARDINAL AudioLab workstation seamlessly handles forensic analysis and processing of all analog and digital media. The powerful AccelCore external processor hardware, based on the Analog Devices TigerSHARC® floating-point DSP, provides all audio I/O and implements comprehensive real-time filtering operations including Comb filter, 1CH Adaptive and Reference Canceller filters, Spectral Subtraction noise reduction filters, Spectral Inverse filters, and numerous other standard filters, equalizers, and dynamic level processors. Software-based DirectX plug-ins are also supported in real-time within the AudioLab software environment, including Clipped-Peak Restoration, Declicker / Decrackler, and Denoiser tools. All filters and visualization tools support multiple instances up to the maximum resource limitations of the PC, the IEEE-1394 "Firewire" interface, and the particular AccelCore hardware that is purchased. A special "ASIO" driver allows direct handling of file-based digital media, and also allows many third-party software products (including Adobe Audition and Sound Forge) to directly utilize the AccelCore for their audio I/O. CARDINAL's virtual patching capability eliminates awkward patch panels for most laboratory installations. Purchase includes one copy of the Adobe Audition 3.0 audio file management tool.*

### **◆ CARDINAL Tech Agent, AudioLab Software + AccelCore LE Hardware**

CARDINAL Tech Agent provides the most needed signal processing and audio input/output capabilities, and is recommended for most practical audio clarification applications. Though typically rack-mounted in a fixed installation, the compact hardware, when combined with a good laptop computer, can also provide a complete, portable audio laboratory. Specific hardware capabilities of the AccelCore LE include: 5-chip TigerSHARC® DSP array, 2 channels of RCA analog I/O, TOSLINK optical digital I/O (which can optionally operate in ADAT 8-channel mode), S/PDIF coaxial digital I/O, TOSLINK optical digital monitor output for connecting digital amplified loudspeakers (such as the Edirol MA-15D), and dual front-panel 3.5mm stereo headphone jacks. Also, a 3.5mm "mini" analog input jack is provided on the front panel for quick connection of unusual devices, such as miniature recorders, digital audio players, etc. AccelCore LE is powered by an external universal AC power supply, and interfaces with any modern Windows-based PC (Windows XP or Vista, dual displays recommended) that provides at least one available IEEE-1394a connection. It is a 1U (1.75" height), 8.5" half-rack mountable unit, which can also be placed in a convenient vertical orientation on a desktop using the special base plate; both the base plate and rack mount ears suitable for installation in a 19" equipment rack are included with purchase.

**GSA net price qty 1-2, \$15,421; qty 3-19, \$15,252; qty 20 or more, \$14,999**

### **◆ CARDINAL Forensic Examiner, AudioLab Software + AccelCore 24/192 Hardware**

CARDINAL Forensic Examiner provides maximum signal processing and audio input/output capacity for the AudioLab software environment, and is recommended for use in advanced forensic audio laboratories where multiple types of analog and digital audio source material may need to be handled on a daily basis. Specific hardware capabilities of the AccelCore 24/192 include: 9-chip TigerSHARC® DSP array, 8 channels of balanced analog I/O, AES/EBU digital I/O, dual TOSLINK optical digital I/O, dual S/PDIF coaxial digital I/O, ADAT 8-channel optical I/O, dual monitor outputs for connecting amplified speakers, and dual front-panel 1/4" stereo headphone jacks. Also, one additional TOSLINK digital input and two RCA analog input jacks are provided on the front panel for quick connection of unusual devices, such as miniature recorders. AccelCore 24/192 is powered by a built-in universal AC power supply, and interfaces with any modern Windows-based PC (Windows XP or Vista, dual displays recommended) that provides at least one available IEEE-1394a connection. It is a 3U (5.25" height), 19" rack-mountable unit; rack mount ears are included with purchase.

**GSA net price qty 1-2, \$22,721; qty 3-19, \$22,472; qty 20 or more, \$22,099**

### **◆ Legacy Product Upgrade to CARDINAL Tech Agent**

Upgrade of one MCAP, PCAP II, PCAP II Plus, or PCAP4600S to one set of CARDINAL AudioLab Software + AccelCore LE Hardware. **Valid serial number must be provided to Salient Sciences to qualify for upgrade.**

**GSA net price qty 1-2, \$13,724; qty 3-19, \$13,574; qty 20 or more, \$13,348**

### **◆ Legacy Product Upgrade to CARDINAL Forensic Examiner**

Upgrade of one MCAP, PCAP II, PCAP II Plus, or PCAP4600S to one set of CARDINAL AudioLab Software + AccelCore 24/192 Hardware. **Valid serial number must be provided to Salient Sciences to qualify for upgrade.**

**GSA net price qty 1-2, \$20,531; qty 3-19, \$20,306; qty 20 or more, \$19,969**



◆ **QuickEnhance® Plug-In (Boxed Media Purchase)**

The QuickEnhance® Plug-In provides a comprehensive, easy-to-use, forensic audio enhancement tool for use with many audio editor software packages. Included in the software installation package are two versions of the plug-in: QuickEnhance /AS (Audio Suite format for Windows-based versions of Avid ProTools and Media Composer) and QuickEnhance VST (VST format for most popular Windows-based audio / video editors, including Adobe Audition, Sony Sound Forge, Acon Acoustica, iZotope, and Audacity). With an innovative user interface designed for simple, intuitive operation by novice and occasional users, QuickEnhance efficiently and effectively improves the intelligibility of voice recordings by reducing typical background noise sources such as hum, motors and fans, static, and hiss. Additionally, reverberations in speech can be reduced, and multi-band equalization can be applied to improve the final sound quality, with a final AGC stage compensating for near/far talker level differences in the clarified conversation. Boxed media includes: QuickEnhance software CD, printed user's manual, and a DACLok USB licensing dongle. Upon request, an alphanumeric license key for the QuickEnhance software can be provided in lieu of the DACLok dongle.

**GSA net price qty 1-2, \$566; qty 3-19, \$560; qty 20 or more, \$550**

◆ **QuickEnhance® / Acoustica Bundle (Boxed Media Purchase)**

QuickEnhance® Plug-In bundled with Acon Acoustica Premium Audio Editor Software. Boxed media includes: QuickEnhance software CD, printed user's manual, DACLok USB license dongle, and alphanumeric license key for Acon Acoustica. Upon request, an alphanumeric license key for the QuickEnhance software can be provided in lieu of the DACLok dongle.

**GSA net price qty 1-2, \$680; qty 3-19, \$672; qty 20 or more, \$661**

◆ **AUDIOPHILE Front-End Audio Processor**

AUDIOPHILE is a compact unit with robust signal processing and voice activity detection. It has dual 512<sup>th</sup> order adaptive filters with 7.5 kHz audio bandwidth. Additional processing includes: spectral subtraction random noise reduction, adaptive spectral inverse auto-equalization, and automatic gain control. Following the noise reduction processing is a "smart VOX" algorithm, which automatically detects the presence of speech in the final signal and outputs either silence or "C" tone when speech is not present. Balanced audio input and output is accomplished via "Phoenix" terminal strip connectors. AUDIOPHILE operates on 12 VDC, or with the supplied universal AC adaptor. The included Windows configuration software utility allows interactive operation of the unit and programming of filter parameters into the internal flash memory, via the included USB interface cable.

**GSA net price qty 1-2, \$1,579; qty 3-19, \$1,561; qty 20 or more, \$1,535**

**If rack mounting required...**

**AP-RMK** AUDIOPHILE 2U x 19" 14-Unit Rack Mount Faceplate

**GSA net price qty 1-2, \$46; qty 3-19, \$45; qty 20 or more, \$44**

◆ **MicroDAC 5 Stereo Multi-Reference Cancellor**

The fifth-generation MicroDAC 5 utilizes the latest floating-point DSP technology to offer unprecedented real-time performance and ease of use for "sharp-end" filtering applications such as radio/TV audio cancellation. With four channels of input and two channels of output, up to 3 independent references can be cancelled from a monaural audio source, or up to 2 independent references can be cancelled from a stereo source to produce a stereo processed output. Processing can be performed at bandwidths of 5, 10, or 20 kHz, depending upon the desired audio quality. The USB interface allows the advanced user to interactively operate the unit and optionally store a special filter setup into the unit's flash memory for stand-alone use. A special lock/unlock key sequence helps to prevent accidental tampering and also allows clearing of any stored program. MicroDAC 5 is powered by 9-18 VDC, and includes TOSLINK and S/PDIF digital inputs and 44.1kHz TOSLINK digital output. This allows direct digital interconnection with common digital recorders and digital wireless microphone receivers. Included in the basic package are the USB interface cable, car lighter adaptor cable, universal AC adaptor, Windows® software CD, and user manual.

**GSA net price qty 1-2, \$6,844; qty 3-19, \$6,769; qty 20 or more, \$6,656**

◆ **QuickEnhance® QE-1500, Tactical Audio Processor**

QuickEnhance® QE-1500 is a tactical audio processing field kit. It offers five stages of robust, stereo digital signal processing including an adjustable 50/60 Hz hum filter, broadband noise reduction filter, adaptive deconvolver, 10-band graphic equalizer, and automatic gain control. QE-1500 features both analog I/O and digital I/O, including S/PDIF and TOSLINK formats. A mini-disc digital recorder is mounted in the QE-1500 case to allow digital recording of the processed audio. Packaged in a Pelican® rugged carrying-case, the QE-1500 offers fast, simple, effective audio processing to go!

**GSA net price qty 1-2, \$3,495; qty 3-19, \$3,457; qty 20 or more, \$3,399**

◆ **QuickEnhance® QE-10, Audio Processor**

Identical to QE-1500, except 2U x 19" rack-mount packaging, shallow 8" depth form factor, and 9-18 VDC power input (universal AC adaptor included), ideal for surveillance van installation. No recorder included with the QE-10, unit is audio processor only.

**GSA net price qty 1-2, \$2,496; qty 3-19, \$2,468; qty 20 or more, \$2,427**

## Audio Collection Products

### SSABR® Audio Recorders

Salient Sciences offers three models of the SSABR audio recorder: SSABR Mini, SSABR G3, and SSABR Pendant. SSABR Mini is our latest design and smallest aluminum-housed recorder, providing dual internal microphones and one multi-function connector for attaching any of the external accessories listed below. SSABR G3 is a larger aluminum-housed unit, providing dual internal microphones for fully self-contained stereo recording, dual multi-function connectors for simultaneously attaching any two of the listed accessories, a headphone connector for local playback of recordings by the user, and a large internal battery for longest run times, especially when the SG3-OSTX transmitter is attached. SSABR Pendant is a specialized stereo “keyfob” concealment recorder, providing dual internal microphones but no external accessory items. All SSABR recorders offer excellent recording quality with the DACPak lossless compression algorithm and easy-to-use Windows® configuration and download software. Additionally, all provide the TrueDAC Digital Signature capability which, when combined with the TrueDAC Verifier Package (sold separately), allows the integrity of downloaded audio “image” files to be verified.

#### ◆ SSABR Mini Audio Recorder with Aluminum Housing

SSABR Mini’s enclosure is 0.95”W x 2.6”L x 0.4”H and features single internal microphone, single “nano” connector for attaching one external accessory item (**optional, listed separately below**), single pushbutton and simple LED indicator for accessing features, and a rechargeable Lithium-Ion battery. SSABR Mini is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery is approximately 9 hours. Included in the base package are one SG3-EXMM external microphone (described below), the USB downlink cable, SSABR software CD, user manual, special screwdriver for attaching optional accessories, and plastic carrying case.

**GSA net price qty 1-2, \$1,820; qty 3-19, \$1,800; qty 20 or more, \$1,771**

#### ◆ SSABR MiniTX2 Audio Recorder with Built-In Officer Safety Transmitter

SSABR MiniTX2’s enclosure is 1.7”W x 2.6”L x 0.5”H and features dual internal microphones, a single “nano” connector for attaching one external accessory item (**optional, listed separately below**), a single pushbutton and simple LED indicator for easy operation, an internal 890mAh rechargeable Lithium-Ion battery, and an integrated 15-channel, 200 mW FM officer safety transmitter that is factory programmable to the customer’s desired frequencies in the range of 148-174 MHz. SSABR MiniTX2 is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery, with the transmitter active, is approximately 6 hours. Included in the base package are the USB downlink cable, SSABR software CD, user manual, special screwdriver for attaching optional accessories, 18” flex antenna for the transmitter, and a plastic carrying case.

**GSA net price qty 1-2, \$3,919; qty 3-19, \$3,876; qty 20 or more, \$3,812**

#### ◆ SSABR G3-24 Audio Recorder with Aluminum Housing

SSABR G3’s compact, rugged enclosure is 1.9”W x 2.6”L x 0.4”H, and features stereo internal microphones, dual “nano” connectors for attaching any two of the external accessory items (**optional, listed separately below**), a 2.5mm stereo headphone jack for local audio playback, LCD text indicator and three pushbuttons for accessing features, and a rechargeable Lithium-Ion battery. SSABR G3 is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery is approximately 12 hours. Included in the base package are the USB downlink cable, SSABR software CD, user manual, special screwdriver for attaching optional accessories, and plastic carrying case.

**GSA net price qty 1-2, \$1,638; qty 3-19, \$1,620; qty 20 or more, \$1,593**

#### ◆ SSABR Pendant Audio Recorder with Plastic “Keyfob” Concealment

SSABR Pendant’s plastic “keyfob” case is 1.4”W x 2.2”L x 0.5”H and features dual internal microphones, simple rubber pushbuttons and recessed LED indicators for accessing features, recessed mini connector for connection of download / programming adaptor (included in kit), and a rechargeable Lithium-Ion battery. SSABR Pendant is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery is approximately 4.5 hours. Included in the base package are the USB download / programming adaptor and cable, SSABR software CD, user manual, and plastic carrying case.

**GSA net price qty 1-2, \$1,455; qty 3-19, \$1,439; qty 20 or more, \$1,416**

#### ◆ TrueDAC Verifier Package

Special software CD and USB decoding key, used for verifying the integrity of SSABR image files and original download media via the TrueDAC Digital Signature mechanism.

**GSA net price qty 1-2, \$908; qty 3-19, \$898; qty 20 or more, \$883**

#### ◆ SG3-OSTX Officer Safety Transmitter

Sixteen channel officer safety transmitter add-on accessory for SSABR G3, offers channel selectable features for deviation, frequency, and AGC, and locking connector.

**GSA net price qty 1-2, \$2,550; qty 3-19, \$2,522; qty 20 or more, \$2,481**

#### ◆ SG3-EXSM Stereo External Microphone

Stereo External Microphone Harness with 3-ft. cables.

**GSA net price qty 1-2, \$315; qty 3-19, \$311; qty 20 or more, \$306**

◆ **SG3-EXMM Mono External Microphone**

Mono External Microphone Harness with 3-ft. microphone cable and 9V battery adaptor.

**GSA net price qty 1-2, \$224; qty 3-19, \$221; qty 20 or more, \$217**

◆ **SG3-EXS External Slide Switch**

External Slide Switch Harness with 6-ft. cable and 9V battery adaptor.

**GSA net price qty 1-2, \$178; qty 3-19, \$176; qty 20 or more, \$173**

◆ **SG3-LINP Line Input Adaptor Kit**

3-foot stereo RCA input adaptor cable, allowing input of line-level source for recording.

**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

◆ **SG3-CCH Car Charger Kit**

6-foot cable with cigarette lighter plug, allowing charging from 12VDC automotive power. Also includes line output adaptor.

**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

◆ **SG3-9VLN Battery and Line Output Adaptor**

9V battery and line output adaptor, allowing extended record times beyond that available with the internal battery alone and connection of audio to external devices.

**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

◆ **SG3-TP3CX Cellphone Recording Interface**

"Earbud" microphone with 3-foot cable, special shielding, and noise filtering, which is connected to the SSABR and placed between the ear and any mobile phone to allow clear recording of both sides of the conversation without RF interference.

**GSA net price qty 1-2, \$178; qty 3-19, \$176; qty 20 or more, \$173**

◆ **SG3-TR1 Landline Telephone Recording Interface**

Special modular adaptor with 3-foot cable, which is connected to the SSABR and placed between the handset and the base station of most landline telephones to allow clear recording of both sides of the conversation.

**GSA net price qty 1-2, \$151; qty 3-19, \$149; qty 20 or more, \$146**

## **Video Collection Products**

### **◆ BUTTERFLY, BASIC SET**

BUTTERFLY is an extremely compact digital video and audio recorder that is ideal for covert applications. Overall dimensions are 76mm x 51mm x 8.5mm (3.0" x 2.0" x 0.3"), including the rugged black aluminum housing. With its included external digital color camera (3.6mm lens) connected via the 1.5m (60") cable, BUTTERFLY has up to 70% less power consumption than comparable recorders using analog cameras, and is able to operate for up to 2 hours from the internal Lithium-Polymer battery (external powering also possible for extended record times). BUTTERFLY also records audio, either from its integrated high-quality microphone or from the optional external microphone. All recordings are made to standard AVI files on removable Compact Flash (CF) cards, which are directly PC readable and require no special playback software or format conversion. Using the included Windows configuration software and the built-in USB port, BUTTERFLY can be programmed for various image resolutions (160 x 120 to 640 x 480 pixels), frame rates (1 to 30 fps), compression levels, and audio sample rates (up to 16-bit, 16kHz), and to utilize several specialized features such as timed record. Additionally included in the standard BUTTERFLY kit are the following: CF card (minimum 4GB), configuration software CD-ROM, special screwdriver for the "nano" connectors, USB communication cable, CF card reader with USB 2.0 interface, AC charger unit (plug for USA/Canada only), user's manual, and compact plastic carrying case. Higher capacity and/or extra CF cards, plus other optional items, are available as separate accessories as listed below.

**GSA net price qty 1-2, \$6,237; qty 3-19, \$6,169; qty 20 or more, \$6,066**

### **◆ BUTTERFLY INTEGRATED, BASIC SET**

Same as above, except thicker unit 76mm x 51mm x 15mm (3.0" x 2.0" x 0.6") with double-capacity Li-Pol battery for extended recording times and camera integrated inside of unit to provide a fully self-contained video and audio recorder.

**GSA net price qty 1-2, \$6,611; qty 3-19, \$6,539; qty 20 or more, \$6,430**

### **◆ VAMPIRE, BASIC SET (No Camera)**

VAMPIRE is an ultra-small digital audio / video recorder designed specifically for covert collection efforts. Overall dimensions are 74mm x 53mm x 13mm (2.9" x 2.1" x 0.5"), including the rugged black aluminum housing. With a wide variety of color and B&W camera options available (in fact, the connection of any PAL or NTSC camera or video source is possible), VAMPIRE is highly flexible and suitable for a wide variety of concealed video surveillance applications. VAMPIRE is able to operate for up to 4 hours from the internal Lithium-Polymer battery (external powering also possible for extended record times). VAMPIRE additionally records audio, either from its integrated high-quality microphone or from the optional mono or stereo external microphone. All recordings are made to standard AVI or WAV files on removable Compact Flash (CF) cards, which are directly PC readable and require no special playback software or format conversion. Using the included Windows configuration software and the built-in USB port, VAMPIRE can be programmed for various camera voltages (5V to 11VDC), image resolutions (160 x 120 to 640 x 480 pixels), frame rates (1 to 30 fps), compression levels, and audio sample rates (up to 44.1kHz), and to utilize several specialized features such as timed record. Additionally included in the VAMPIRE Basic Set are the following: CF card (minimum 8GB), configuration software CD-ROM, USB communication cable, CF card reader with USB 2.0 interface, AC charger unit (plug for USA/Canada only), user's manual, and compact plastic carrying case. Higher capacity and/or extra CF cards, plus other optional items, are available as separate accessories as listed below.

**GSA net price qty 1-2, \$4,083; qty 3-19, \$4,039; qty 20 or more, \$3,972**

### **◆ VAMPIRE, MEGA SET (Includes Color Camera and External Stereo Microphone)**

All VAMPIRE Basic Set equipment, plus color 5VDC camera, external stereo microphone, external controller, and video output connector.

**GSA net price qty 1-2, \$5,274; qty 3-19, \$5,216; qty 20 or more, \$5,130**

#### **Optional Accessory Items for BUTTERFLY Recorders:**

**BFLY-EXM** External Microphone with 3-ft. cable for BUTTERFLY  
**GSA net price qty 1-2, \$488; qty 3-19, \$483; qty 20 or more, \$475**

**BFLY-EXMC** External Microphone with remote control button for BUTTERFLY  
**GSA net price qty 1-2, \$534; qty 3-19, \$528; qty 20 or more, \$519**

**BFLY-EXC** External remote control for BUTTERFLY  
**GSA net price qty 1-2, \$415; qty 3-19, \$411; qty 20 or more, \$404**

**BFLY-CAM** Additional camera for BUTTERFLY  
**GSA net price qty 1-2, \$1,620; qty 3-19, \$1,602; qty 20 or more, \$1,575**

**BFLY-CAMS** Slim camera for BUTTERFLY  
**GSA net price qty 1-2, \$1,620; qty 3-19, \$1,602; qty 20 or more, \$1,575**

**BFLY-CAMN** Night-vision camera for BUTTERFLY  
**GSA net price qty 1-2, \$1,560; qty 3-19, \$1,543; qty 20 or more, \$1,518**

**BFLY-LENS3** 3.6mm lens for BUTTERFLY camera  
**GSA net price qty 1-2, \$192; qty 3-19, \$190; qty 20 or more, \$186**

**BFLY-LENS5** 5mm lens for BUTTERFLY camera  
**GSA net price qty 1-2, \$192; qty 3-19, \$190; qty 20 or more, \$186**

**BFLY-EXBAT** External 4 "AA" leather battery pack for BUTTERFLY  
**GSA net price qty 1-2, \$402; qty 3-19, \$397; qty 20 or more, \$391**

**BFLY-CCH** 12VDC car charger for BUTTERFLY  
**GSA net price qty 1-2, \$68; qty 3-19, \$68; qty 20 or more, \$67**

**BFLY-BTN** 15-piece shirt button disguise kit for BUTTERFLY camera (3 sets ASSORTED buttons, 5 of each)  
**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

**BFLY-BTNS** 15-piece shirt button disguise kit for BUTTERFLY camera (3 sets of SMALL buttons, 5 of each)  
**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

**BFLY-BTNM** 15-piece shirt button disguise kit for BUTTERFLY camera (3 sets of MEDIUM buttons, 5 of each)  
**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

**BFLY-BTNL** 15-piece shirt button disguise kit for BUTTERFLY camera (3 sets of LARGE buttons, 5 of each)  
**GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129**

**BFLY-SCRH** 3-piece screw-head disguise for BUTTERFLY camera (1 with hole for camera, two "dummy")  
**GSA net price qty 1-2, \$73; qty 3-19, \$72; qty 20 or more, \$71**

**BFLY-NAILH** 3-piece nail-head disguise for BUTTERFLY camera (1 with hole for camera, two "dummy")  
**GSA net price qty 1-2, \$73; qty 3-19, \$72; qty 20 or more, \$71**

**BFLY-RIVH** 3-piece rivet-head disguise for BUTTERFLY camera (1 with hole for camera, two "dummy")  
**GSA net price qty 1-2, \$73; qty 3-19, \$72; qty 20 or more, \$71**

**BFLY-POW** AC/DC power supply for BUTTERFLY  
**GSA net price qty 1-2, \$105; qty 3-19, \$104; qty 20 or more, \$102**

**BFLY-COM** Communication Cable for BUTTERFLY  
**GSA net price qty 1-2, \$388; qty 3-19, \$384; qty 20 or more, \$377**

**BFLY-CRYPTO** Optional software upgrade providing Encryption, Digital Signature, and Watermarking  
**GSA net price qty 1-2, \$2,199; qty 3-19, \$2,175; qty 20 or more, \$2,139**

**Optional Accessory Items for VAMPIRE Recorders:**

**VAM-EXM** External Microphone for VAMPIRE  
**GSA net price qty 1-2, \$237; qty 3-19, \$235; qty 20 or more, \$231**

**VAM-EXMS** External Stereo Microphone for VAMPIRE  
**GSA net price qty 1-2, \$370; qty 3-19, \$366; qty 20 or more, \$359**

**VAM-EXC** External remote control for VAMPIRE  
**GSA net price qty 1-2, \$237; qty 3-19, \$235; qty 20 or more, \$231**

**VAM-CAMC** Color camera for VAMPIRE  
**GSA net price qty 1-2, \$251; qty 3-19, \$248; qty 20 or more, \$244**

**VAM-CAMM** Microminiature camera for VAMPIRE  
**GSA net price qty 1-2, \$370; qty 3-19, \$366; qty 20 or more, \$359**

**VAM-CAMB** Button disguise camera for VAMPIRE  
**GSA net price qty 1-2, \$356; qty 3-19, \$352; qty 20 or more, \$346**

**VAM-CAMG** Glasses disguise camera for VAMPIRE  
**GSA net price qty 1-2, \$593; qty 3-19, \$587; qty 20 or more, \$577**

**VAM-CAMP** Earphones disguise camera for VAMPIRE  
**GSA net price qty 1-2, \$684; qty 3-19, \$677; qty 20 or more, \$666**

**VAM-CAMN** Night-vision camera for VAMPIRE  
**GSA net price qty 1-2, \$534; qty 3-19, \$528; qty 20 or more, \$519**

**VAM-CAMHP** High-resolution pinhole lens camera for VAMPIRE  
**GSA net price qty 1-2, \$1,173; qty 3-19, \$1,160; qty 20 or more, \$1,140**

**VAM-CAMHM** High-resolution color camera (with replaceable M12 lens) for VAMPIRE  
**GSA net price qty 1-2, \$1,173; qty 3-19, \$1,160; qty 20 or more, \$1,140**

**VAM-M12S** M12 standard lens 52 degrees for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-M12F** M12 fish-eye lens 123 degrees for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-M12T** M12 tele lens 16 degrees for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-CAMW** Wide-angle camera for VAMPIRE  
**GSA net price qty 1-2, \$461; qty 3-19, \$456; qty 20 or more, \$448**

**VAM-CAMBWSN** High-resolution black and white snap camera for VAMPIRE  
**GSA net price qty 1-2, \$1,560; qty 3-19, \$1,543; qty 20 or more, \$1,518**

**VAM-CAMBWIR** High-resolution black and white infra-red camera for VAMPIRE  
**GSA net price qty 1-2, \$2,272; qty 3-19, \$2,247; qty 20 or more, \$2,210**

**VAM-MOTS** Motion sensor for VAMPIRE  
**GSA net price qty 1-2, \$415; qty 3-19, \$411; qty 20 or more, \$404**

**VAM-BTNB** 12-piece BLACK shirt button disguise kit for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-BTNW** 12-piece WHITE shirt button disguise kit for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-VOUT** Video "Y" output adaptor for VAMPIRE  
**GSA net price qty 1-2, \$128; qty 3-19, \$126; qty 20 or more, \$124**

**VAM-EXBAT** External 4 "AA" leather battery pack for VAMPIRE  
**GSA net price qty 1-2, \$251; qty 3-19, \$248; qty 20 or more, \$244**

**VAM-CCH** 12VDC car charger for VAMPIRE  
**GSA net price qty 1-2, \$68; qty 3-19, \$68; qty 20 or more, \$67**

**VAM-POW** AC/DC power supply for VAMPIRE  
**GSA net price qty 1-2, \$105; qty 3-19, \$104; qty 20 or more, \$102**

**VAM-COM** Communication Cable for VAMPIRE  
**GSA net price qty 1-2, \$23; qty 3-19, \$23; qty 20 or more, \$22**

**VAM-JACK** 3.5mm 4pole connector jack for VAMPIRE  
**GSA net price qty 1-2, \$18; qty 3-19, \$18; qty 20 or more, \$18**

**VAM-JAC2** 2.5mm 4pole connector jack for VAMPIRE  
**GSA net price qty 1-2, \$18; qty 3-19, \$18; qty 20 or more, \$18**

**VAM-CRYPTO** Optional software upgrade providing Encryption, Digital Signature, and Watermarking  
**GSA net price qty 1-2, \$1,606; qty 3-19, \$1,588; qty 20 or more, \$1,562**

**VAM-PCB** Vampire PCB only (for covert recording operations)  
**GSA net price qty 1-2, \$2,628; qty 3-19, \$2,599; qty 20 or more, \$2,556**

**Memory Cards and Other Accessory Items for both BUTTERFLY and VAMPIRE Recorders:**

**BFLY-CF2GB** 2GB Compact Flash memory card for BUTTERFLY and VAMPIRE  
GSA net price qty 1-2, \$59; qty 3-19, \$59; qty 20 or more, \$58

**BFLY-CF4GB** 4GB Compact Flash memory card for BUTTERFLY and VAMPIRE  
GSA net price qty 1-2, \$73; qty 3-19, \$72; qty 20 or more, \$71

**BFLY-CF8GB** 8GB Compact Flash memory card for BUTTERFLY and VAMPIRE  
GSA net price qty 1-2, \$91; qty 3-19, \$90; qty 20 or more, \$89

**BFLY-CF16GB** 16GB Compact Flash memory card for BUTTERFLY and VAMPIRE  
GSA net price qty 1-2, \$132; qty 3-19, \$131; qty 20 or more, \$129

**CFCARD-USB** USB Compact Flash Card reader for Windows-based PC for BUTTERFLY and VAMPIRE  
GSA net price qty 1-2, \$59; qty 3-19, \$59; qty 20 or more, \$58

**BURNER-DVDCD** Multi-Card Stand-Alone Burner (automatically transfers files to DVD or CD archive media)  
GSA net price qty 1-2, \$370; qty 3-19, \$366; qty 20 or more, \$359

**Specialty Amplifiers**

◆ **PIP II Probe Interface Pod**

The PIP II is a high performance amplifier designed specifically for countermeasures. It features a built-in phantom power supply and has sheathed banana jacks to protect the user. PIP II removes hum, allowing up to 80 dB of gain to be applied, and is powered by the universal AC adaptor or two 9V alkaline batteries (included).

GSA net price qty 1-2, \$684; qty 3-19, \$677; qty 20 or more, \$666

◆ **TIP II Transducer Interface Pod**

The TIP II is a high performance amplifier designed for use with all types of microphones and accelerometers. The unit is suitable for both countermeasures and surveillance applications, and is powered by the universal AC adaptor or two 9V batteries (included).

GSA net price qty 1-2, \$684; qty 3-19, \$677; qty 20 or more, \$666

**Optional Accessory Items for Amplifiers:**

**TIP-AWC** Low-Noise Accelerometer w/ 6' cable and Mounting Wax  
GSA net price qty 1-2, \$753; qty 3-19, \$745; qty 20 or more, \$732

**TIP-MIC** Low-Noise Microphone w/ 20' cable  
GSA net price qty 1-2, \$205; qty 3-19, \$203; qty 20 or more, \$200

## SPECIAL ITEM NO. 58-8

All prices listed are Government net price. Discounts have been deducted.

### **Product Education and Training**

#### **◆ Accelerated DAC School™**

**\$908**

Based on the Salient Sciences CARDINAL MiniLab forensic audio platform, Accelerated DAC School™ is a five-day intensive training course intended to provide practical instruction on forensic audio clarification concepts, tools, and techniques. Both the novice technical investigator and the experienced audio technician should benefit from this 50% classroom, 50% hands-on training experience. The course is typically held twice a year at selected conference hotels in the United States. Student travel, lodging, and meals expenses are not included in the tuition cost. Please contact Salient Sciences for course registration and hotel information. Participation is limited to 12 students.

#### **◆ Three-Day DAC School™**

**\$1364**

Based on the Salient Sciences CARDINAL MiniLab forensic audio platform, the Three-Day DAC School™ provides practical instruction on forensic audio clarification concepts, tools, and techniques in a compressed schedule at the Salient Sciences facility in Durham, NC. Unlike the Accelerated DAC Schools, which are specially-organized events, this course is available throughout the year and private sessions can be arranged (at least 3 students are required for private sessions). All travel, lodging, and meals expenses are the sole responsibility of each student, including transportation between the hotel and the Salient Sciences facility each day. Please contact Salient Sciences for course registration and local hotel information. Participation is limited to 8 students.

#### **◆ On-Site Accelerated DAC School™ – 10 students**

**\$9,581**

Based on the Salient Sciences CARDINAL forensic audio platform, Accelerated DAC School™ is a five-day intensive training course intended to provide practical instruction on forensic audio clarification concepts, advanced techniques, and third-party tools that can be used in conjunction with the CARDINAL. Both the novice technical investigator and the experienced audio technician should benefit from this 50% classroom, 50% hands-on training experience. For the on-site version of this course, a Salient Sciences instructor will travel to the customer's facility, anywhere in the continental United States, and provide training for up to 12 students. All travel, lodging, and meals expenses for the instructor, plus all training equipment and materials, are included in the price. Customer must provide training room with a computer projector and loudspeakers for the instructor to use, plus sufficient space, furniture, and power to accommodate 12 students and 12 laptop computers.

**Each Additional Student for On-Site Training (up to 18 students maximum per class):**

**\$908**

#### **◆ Two-Day VideoFOCUS Training**

**\$548**

Based on the Salient Sciences VideoFOCUS forensic video platform, this intensive two-day course covers forensic video clarification concepts, details on the operation of the VideoFOCUS software, and hands-on practice applying the software to real-world video materials. The course is typically held 2-3 times per year at various locations in the continental United States, and occasionally at the Salient Sciences facility in Durham, NC. All travel, lodging, and meals expenses are the sole responsibility of each student, including transportation between the hotel and the training facility each day, if required. Please contact Salient Sciences for course registration and hotel information. Participation is limited to 8-10 students, depending on the location.



## **Engineering Services**

*Salient Sciences offers Engineering services for the purpose of modifying its existing audio and video products; designing and manufacturing new audio, video, and/or related products; integrating audio, video, and/or related products to provide a complete system solution; and providing comprehensive technical support and training on these customized items. All Engineering Services Professional Labor Categories are provided at an hourly rate, including all overhead costs for employees working at the Salient Sciences facility. For longer term projects, rates are specified for Year 1, Year 2, and Year 3. Materials and travel are not included in these rates; these items would be billed either at actual cost or, in the case of Salient Sciences products, per the relevant price list.*

### **Professional Labor Categories**

#### **Job Title: Program Manager**

**Minimum/General Experience:** 10 years of related technical and managerial experience. Ability to manage complex program activities and act as customer liaison for program progress reports. A Master's degree substitutes for two years experience and a Ph.D. substitutes for 5 years experience.

**Functional Responsibility:** Management position provides overall direction of program activities and personnel. Manages functional area or business line programs that are sensitive or critical in nature, broad in scope and impact, and significant in terms of company-committed resources. Provides senior interface between client and company resources and manager assigned programs to meet client requirements. Works with the client and program director to establish policy and strategic direction for programs. Communicates with senior levels of the client on a frequent basis. Ensures client satisfaction with company performance. Responsible for program oversight of budget, planning and scheduling, progress reporting, earned value, performance analysis, technical risk analysis, financial planning, quality assurance and quality control, and delivery of services. Monitors assigned project managers to ensure that appropriate technical and administrative personnel are assigned to the program. Provides program leadership to assigned project teams.

**Minimum Education:** Bachelors Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience.

#### **Job Title: Project Engineer**

**Minimum/General Experience:** Must have 5-10 years experience of digital audio- and video-related project work. Provides high-level technological problem solving, leads and/or serves as primary technical resource for engineering design and systems integration effort. Operates with considerable latitude.

**Functional Responsibility:** Engineering position performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, computer software development, human factors engineering, or other relevant engineering discipline. Provides a high level of administrative and technical support. This includes completing complex and lengthy technical reports, proposals, and creating and maintaining complex systems and databases in compliance with various organizational requirements.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience. Master's degree preferred.

#### **Job Title: Software Developer**

**Minimum/General Experience:** Five to ten years of applications programming experience in the area of digital audio and video.

**Functional Responsibility:** Engineering position develops application programs in accordance with program and system design specifications. Translates detailed design into coded instructions and database structures. Tests, debugs and refines programs to produce the desired results. Refines programs to reduce operating time and efficiency. Develops all necessary documentation including operational procedures.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience.

#### **Job Title: Hardware Design Engineer**

**Minimum/General Experience:** Five to ten years of experience in the area of digital audio and video hardware design, including DSP, analog and digital, power, PCB layout oversight, and packaging design.

**Functional Responsibility:** Engineering position performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, human factors engineering, or other relevant engineering discipline.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Manufacturing Engineer**

**Minimum/General Experience:** Five to 10 years of experience in electronic manufacturing, particularly in the area of SMT PCB assembly.

**Functional Responsibility:** Engineering position responsible for developing and communicating the required manufacturing methods, testing procedures, bills of materials, and all manufacturing drawings and documents as necessary to produce electronic devices in the necessary quantities using either in-house or outsourced manufacturing resources. Analyzes failure rates of manufactured products, recommends design changes as necessary to minimize the recurrence of faults and defects.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering, Industrial Engineering, or equivalent education/experience.

**Job Title: Junior Engineer / Draftsman**

**Minimum/General Experience:** One to three years of experience in digital systems and software design, testing, and/or documentation tasks.

**Functional Responsibility:** Under the supervision of a more senior engineer, performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, human factors engineering, or other relevant engineering discipline. Prepares detailed mechanical and electronic design drawings using CAD and other tools.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Technical Support / Training Specialist**

**Minimum/General Experience:** Three to five years of experience providing customer technical training and technical support for digital audio- and video-related products.

**Functional Responsibility:** Works with both the design team and the customer to get a complete understanding of both the technical capabilities and the application of the product, then develops training curricula and materials as necessary to provide operational training. Provides feedback to the design team as technical issues and/or new feature needs are identified, drives these to final resolution on behalf of the customer.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Technician**

**Minimum/General Experience:** One to three years of experience in digital systems checkout and testing.

**Functional Responsibility:** Under the supervision of a more senior engineer, runs tests on electronic products after they are manufactured to ensure they perform according to specifications. Also, runs tests on returned items to diagnose faults and makes repairs as necessary to restore the devices' proper operation.

**Minimum Education:** Associate's Degree in applicable technical discipline such as Electronic or Electrical Engineering, or equivalent education/experience.

**Job Title: Electronic Assembler**

**Minimum/General Experience:** One to three years of experience assembling digital and analog circuit boards and packaging.

**Functional Responsibility:** Performs detailed assembly of surface-mount (SMT) printed circuit boards (PCBs) and electronic packaging using the prescribed manufacturing methods and documentation.

**Minimum Education:** High School Diploma or equivalent education/experience.

**Job Title: Administrative Assistant / Clerk**

**Minimum/General Experience:** One to three years of experience in general office and clerical work.

**Functional responsibility:** Provides administrative assistance and support to an organizational area. Typical functions include preparing project correspondence and reports; maintaining project logs; preparing documents for review and edit; and coordinating administrative processes and issues for the supported element; exercises independent judgment within established administrative policy and procedural guidelines. Helps to prepare budgets and schedules.

**Minimum Education:** Bachelor's Degree in applicable discipline such as Business Administration, Accounting, or equivalent education/experience.

## Professional Labor Rates (Per Hour)

Labor Category	Billing Rate (Year 1)	Billing Rate (Year 2)	Billing Rate (Year 3)
Program Manager	\$114.06	\$119.77	\$125.75
Project Engineer	\$104.94	\$110.18	\$115.70
Software Developer	\$95.81	\$100.60	\$105.63
Hardware Design Engineer	\$95.81	\$100.60	\$105.63
Manufacturing Engineer	\$95.81	\$100.60	\$105.63
Junior Engineer / Draftsman	\$73.00	\$76.65	\$80.48
Technical Support / Training Specialist	\$73.00	\$76.65	\$80.48
Technician	\$50.19	\$52.70	\$55.33
Electronic Assembler	\$36.50	\$38.33	\$40.24
Administrative Assistant / Clerk	\$36.50	\$38.33	\$40.24



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