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Find the *Sierra Video Systems Tahoe 3232* at our website: *Click HERE*

Tahoe Family

Capable of meeting the most demanding applications of today's video professionals, the Tahoe Family is our most extensive line of analog routing switchers—setting the industry standard in mid-sized switchers for more than a decade. With over twenty frame styles to choose from, Tahoe frames can be populated with limited modules, providing flexibility for future expansion.

- 16, 20, 32 and 48 inputs in a variety of standards
- Analog component video/audio
- Analog composite video
- AFV and video-only configurations
- Y-C or S-VHS video (2 channels)
- RS-232 serial interface control; RS-485 control panel network
- Up to 64 panels on a simple twisted pair network
- Battery backed-up RAM protection of all personality and crosspoint information
- 256 salvo registers capable of holding a total of 2000 or more crosspoints

Multiple frames can be connected together (up to 8 levels) under the same Tahoe control system. For multiple frames, only one Tahoe serial control module is required. With high-end performance, modest prices and an extensive variety of models, the Tahoe Family offers significant features found nowhere else in this size or price range.

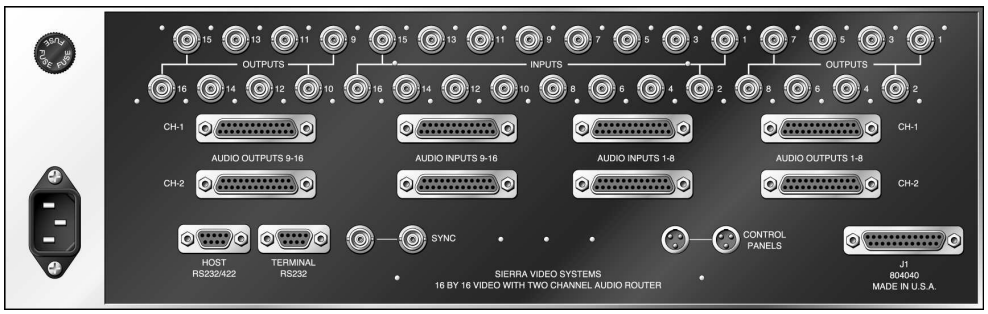


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TAHOE 1616VAA

This popular Tahoe has a chassis measuring only 3RU (5.25") high. It holds one 16 x 16 video switching module and up to two 16 x 16 audio crosspoint boards. The three-port control host serial interface module is standard on the 1616VAA, as on all the Tahoe family members.

For configurations where a third or fourth channel of audio is needed, consider the 4RU Tahoe 1616VAAAA frame.



TAHOE 1616AA

16 x 16 two channel audio routing switcher

1 - Tahoe 1616VAA frame	804040
1 - serial control module	504001
2 - 16 x 16 audio crosspoint modules	504045

TAHOE 1616VAA

16 x 16 video routing switcher with two audio channel

1 - Tahoe 1616VAA frame	804040
1 - serial control module	504001
1 - 16 x 16 video crosspoint module	504044
2 - 16 x 16 audio crosspoint modules	504045

Optional Configurations:

TAHOE 1616V
TAHOE 1616VA
TAHOE 1616A

Options for 1616VAA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804040-41
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804040-42
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

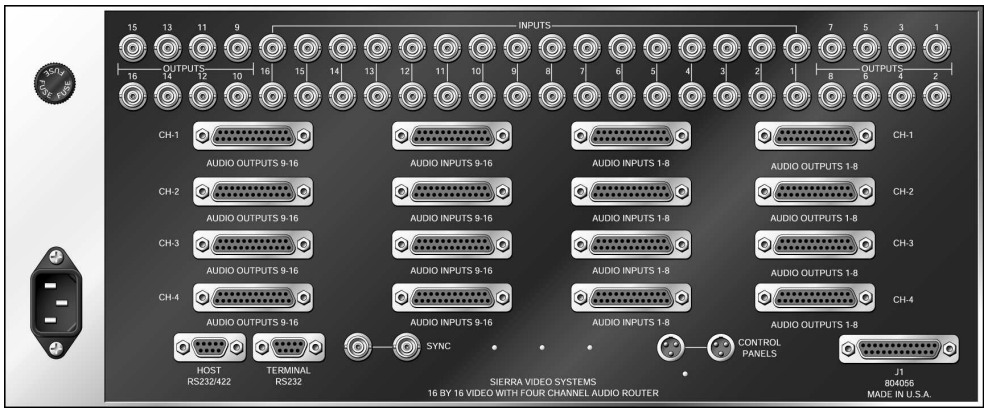
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TAHOE 1616VAAAA

This is the choice for composite video applications that require Quad sound, Dual-language programming, and extra audio levels for SMPTE/EBU time code.

A 4RU version of the Tahoe 1616, this frame holds one 16 x 16 video switching module and up to four audio crosspoint boards, along with its three-port serial control module. It also features looping inputs.

Tahoe 1616VAAAA can meet your early needs and grow with you into the future as you require three or four channels of 16 x 16 audio switching.



TAHOE 1616AAAA

16 x 16 four channel audio routing switcher

1 - Tahoe 1616VAAAA frame	804056
1 - serial control module	504001
4 - 16 x 16 audio crosspoint modules	504045

TAHOE 1616VAAAA

16 x 16 video routing switcher with four audio channels

1 - Tahoe 1616VAAAA frame	804056
1 - serial control module	504001
1 - 16 x 16 video crosspoint module	504044
4 - 16 x 16 audio crosspoint modules	504045

Optional Configurations:

TAHOE 1616VAAA
TAHOE 1616AAA

Options for 1616VAAAA Systems:

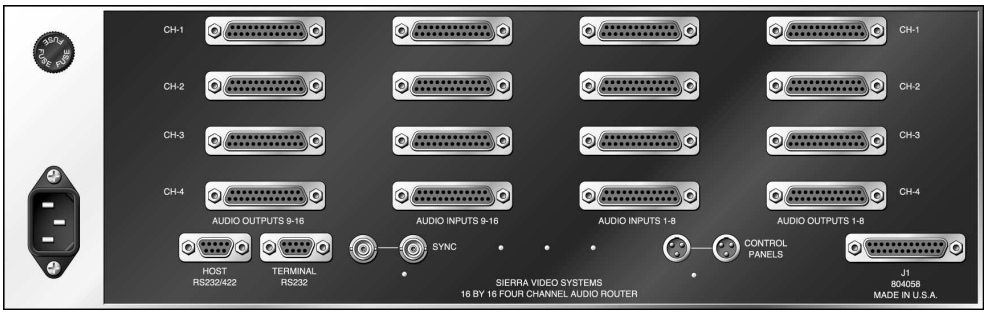
Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804056-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804056-32
RS-422 host serial interface in lieu of RS-232 I/O. . . . . Specify when ordering

Control panels. . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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TAHOE 1616AAAA

This 3RU (5.25") chassis 16 x 16 audio routing switcher can accommodate up to 4 audio crosspoint switching modules. Plus, it has an RS-232 three-port serial interface module. It can be used as a stand-alone audio switching matrix, or it can be combined with other 16 x 16 routers to extend your system's audio or time code capabilities. When coupled with a 16 x 16 video matrix, no serial control module is needed in this frame.



TAHOE 1616AA

16 x 16 two channel audio routing switcher

1 - Tahoe 1616AAAA frame	804058
1 - serial control module	504001
2 - 16 x 16 audio crosspoint modules	504045

TAHOE 1616AAAA

16 x 16 four channel audio routing switcher

1 - Tahoe 1616AAAA frame	804058
1 - serial control module	504001
4 - 16 x 16 audio crosspoint modules	504045

Optional Configurations:

TAHOE 1616A
TAHOE 1616AAA

Options for 1616AAAA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804058-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804058-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

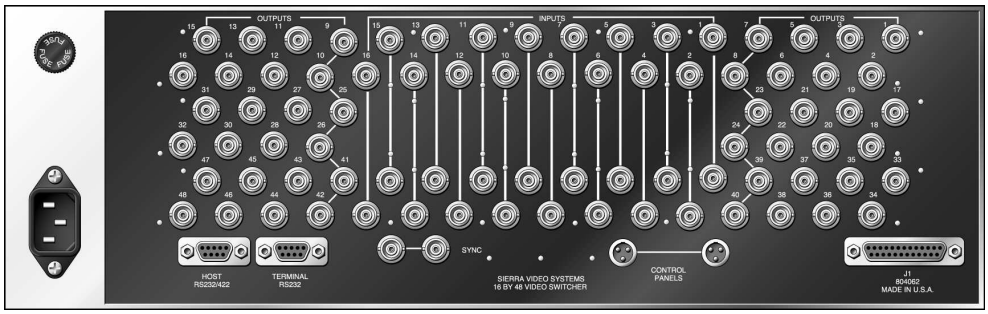
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TAHOE 1616V, 1632V, 1648V

The 3RU Tahoe 1648V frame is used for systems requiring more than 16 outputs. It's a single channel video routing switcher that uses a 3-port control system. Looping inputs provide a high degree of versatility, and remove the need for extra external distribution amplifiers in most installations. The 1648V can also be configured with fewer modules, paving the way for future expansion.

This versatile interface supports up to 64 pushbutton remote control panels, a terminal for setup and a host port for serial control. The host port allows control by a PC, an automation system or a touchscreen controller.

The companion Tahoe 1648AA audio frame is often control linked to the Tahoe 1648V video frame.



TAHOE 1616V

16 x 16 video routing switcher

1 - Tahoe 1648V frame	804062
1 - serial control module	504001
1 - 16 x 16 video crosspoint module	504044

TAHOE 1632V

16 x 32 video routing switcher

1 - Tahoe 1648V frame	804062
1 - serial control module	504001
2 - 16 x 16 video crosspoint modules	504044

TAHOE 1648V

16 x 48 video routing switcher

1 - Tahoe 1648V frame	804062
1 - serial control module	504001
3 - 16 x 16 video crosspoint modules	504044

Options for 1648V Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804062-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804062-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

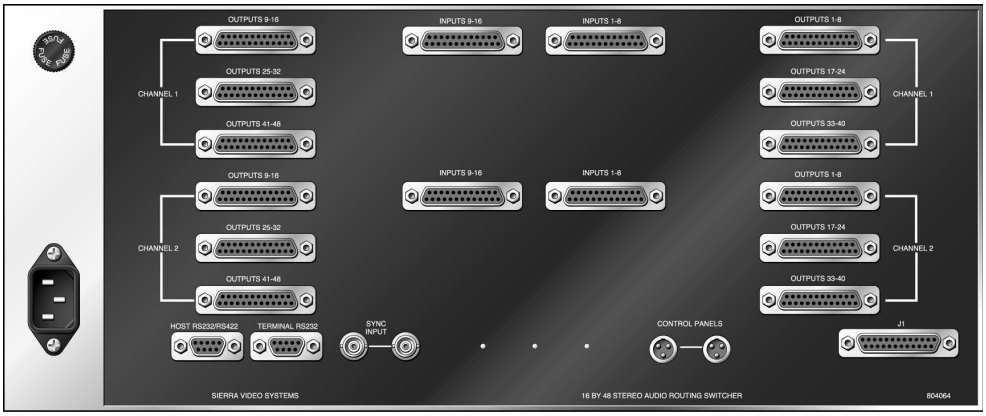
Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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TAHOE 1648AA

This 4RU (7") frame supports up to six 16 x 16 audio crosspoint modules, making the 1648AA a great choice for single/dual channel or stereo audio applications. An RS-232 serial interface 3-port control system module enables control from a host computer.

The 1648AA supports up to 64 control panels using our Tahoe control system. They are frequently control linked to Tahoe family analog or Shasta family serial digital video routing switchers to build mixed-signal systems.



TAHOE 1632AA

16 x 32 two channel audio routing switcher

1 - Tahoe 1648AA Frame	804064
1 - serial control module	504001
4 - 16 x 16 audio crosspoint modules	504045

TAHOE 1648AA

16 x 48 two channel audio routing switcher

1 - Tahoe 1648AA Frame	804064
1 - serial control module	504001
6 - 16 x 16 audio crosspoint modules	504045

Optional Configurations:

TAHOE 1632A
TAHOE 1648A

Options for 1648AA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804064-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804064-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

PRODUCT KEY

A = Monaural audio channel. Also suitable for time code.
C = Component video (3 channels, YUV or RGB).
D = Serial digital video channel(s).
E = Digital (AES/EBU) audio channel.
P = Pulse channel for switching synchronizing signals.
S = Stereo audio channel switched as a pair.
V = Composite video (1 channel).
W = Wideband channel(s).
Y = Y-C or S-VHS video (2 channels, Y or C).

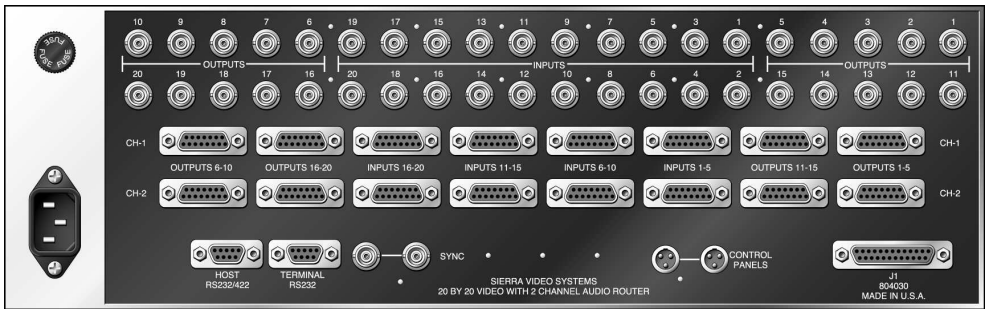
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TAHOE 2020VAA

Based on 20 x 10 switching modules, this 3RU (5.25") system can be configured as a 20 x 20 routing switcher simply by adding additional boards or submodules to the frame.

For system configurations requiring 20 video or audio outputs, two 20 x 10 video or audio cross-point modules are used to make a 20 x 20 system. A variety of configurations can be created to meet your special needs—only our most popular systems are listed below.

As with all of the Tahoes, each signal level can be independently controlled through the three-port control system.



TAHOE 2010VAA

20 x 10 video routing switcher with two audio channels

1 - Tahoe 2020VAA frame	804030
1 - serial control module	504001
1 - 20 x 10 video crosspoint module	504034
2 - 20 x 10 audio crosspoint modules	504035

TAHOE 2020VAA

20 x 20 video routing switcher with two audio channels

1 - Tahoe 2020VAA frame	804030
1 - serial control module	504001
2 - 20 x 10 video crosspoint modules	504034
2 - 20 x 10 audio crosspoint modules	504035
2 - 20 x 10 audio crosspoint submodules	504038

Optional Configurations:

TAHOE 2010V
TAHOE 2010VA
TAHOE 2020V
TAHOE 2020VA

Options for 2020VAA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804030-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804030-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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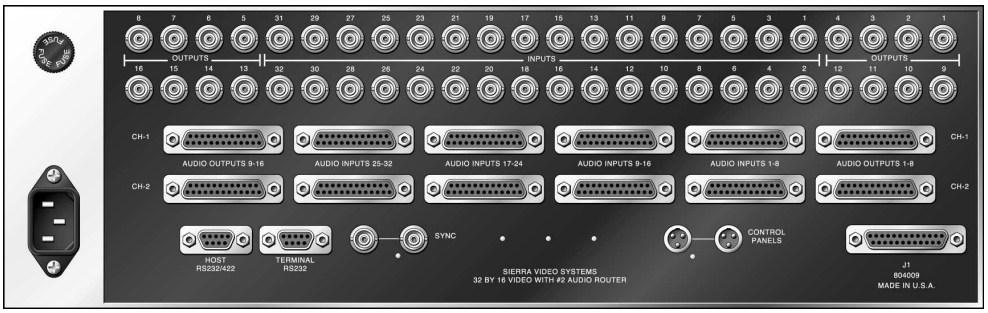
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TAHOE 3216VAA

This 3RU (5.25") frame is still the most compact 32 input video plus stereo routing switcher in the world.

Based on 32 x 8 video switching modules and 32 x 16 audio boards, it includes our three-port control system serial interface module for complete switching flexibility.

An audio-only version of this frame (Tahoe 3216AA) can be operated either as a stand-alone or slaved to a component video-only frame. For applications requiring more than 16 outputs, consider using a combination of the Tahoe 3232V and 3232AA 3RU frames.



TAHOE 3216AA

32 x 16 two channel audio routing switcher

1 - Tahoe 3216VAA frame	804009
1 - serial control module	504001
2 - 32 x 16 audio crosspoint modules	504004

TAHOE 3216VAA

32 x 16 video routing switcher with two audio channels

1 - Tahoe 3216VAA frame	804009
1 - serial control module	504001
2 - 32 x 8 video crosspoint modules	504003
2 - 32 x 16 audio crosspoint modules	504004

Optional Configurations:

TAHOE 3216V
TAHOE 3216VA
TAHOE 3216A

Options for 3216VAA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804009-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804009-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

PRODUCT KEY

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D = Serial digital video channel(s).
E = Digital (AES/EBU) audio channel.
P = Pulse channel for switching synchronizing signals.
S = Stereo audio channel switched as a pair.
V = Composite video (1 channel).
W = Wideband channel(s).
Y = Y-C or S-VHS video (2 channels, Y or C).

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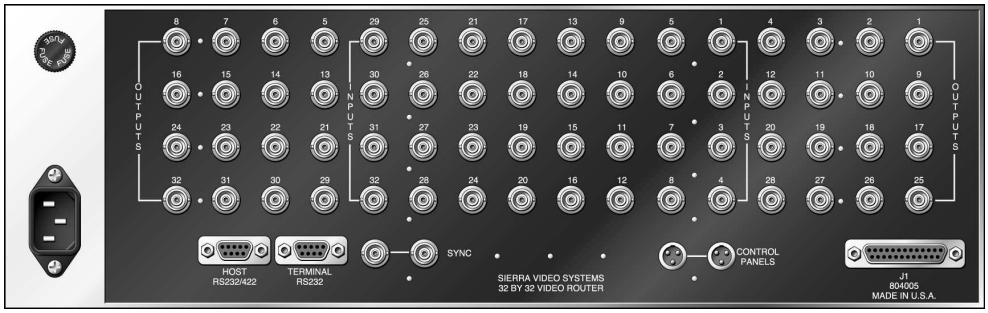
TAHOE 3232V

Flexible Expansion—This 3RU (5.25") 32-input chassis can be expanded in 8-output steps by increasing the number of 32 x 8 video crosspoint modules. It can be used by itself for single channel video routing switcher systems with 8, 16, 24 or 32 outputs.

It can also be control-linked to one or more Tahoe 3232AA frames to build multi-level VAA or VAAA systems. The 32 x 32 model results from four video crosspoint modules.

A companion audio-only frame can be coupled to this system to provide audio routing capabilities. (see the Tahoe 3232VAA)

For component video systems requiring of more than two channels of audio, consider one of our 9RU frames.



TAHOE 3216V

32 x 16 video routing switcher

1 - Tahoe 3232V frame	804005
1 - serial control module	504001
2 - 32 x 8 video crosspoint modules	504003

TAHOE 3232V

32 x 32 video routing switcher

1 - Tahoe 3232V frame	804005
1 - serial control module	504001
4 - 32 x 8 video crosspoint modules	50400

Optional Configurations:

TAHOE 3208V
TAHOE 3224V

Options for 3232V Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804005-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804005-3
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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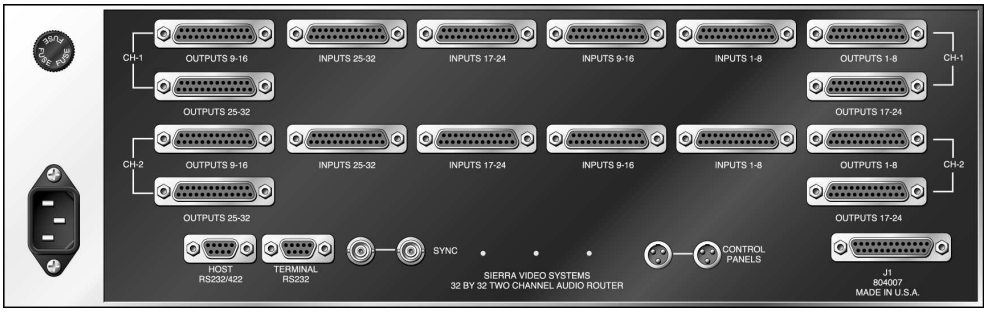
TAHOE 3232AA

This 3RU frame is available in monaural or dual channel audio versions for audio-only or video-with-audio routing applications. The system can be configured either as a 32 x 16 or a 32 x 32 model.

This frame can be used in two ways:

- By itself, for one or two channel audio routing switcher systems requiring 16 or 32 outputs
- Control-linked to one or more Tahoe 3232V systems to build multi-level VAA systems

When control linked to another system, Tahoe 3232AA doesn't need the 504001 serial control module. For system requirements of more than four channels of audio, one of our 9RU frames might be a better solution.



TAHOE 3216AA

32 x 16 two channel audio routing switcher

1 - Tahoe 3232AA frame	804007
1 - serial control module	504001
2 - 32 x 16 audio crosspoint modules	504004

TAHOE 3232AA

32 x 32 two channel audio routing switcher

1 - Tahoe 3232AA frame	804007
1 - serial control module	504001
4 - 32 x 16 audio crosspoint modules	504004

Optional Configurations:

TAHOE 3216A
TAHOE 3232A

Options for 3232AA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804007-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804007-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panesl Section
Performance specifications. . . . . See page 60

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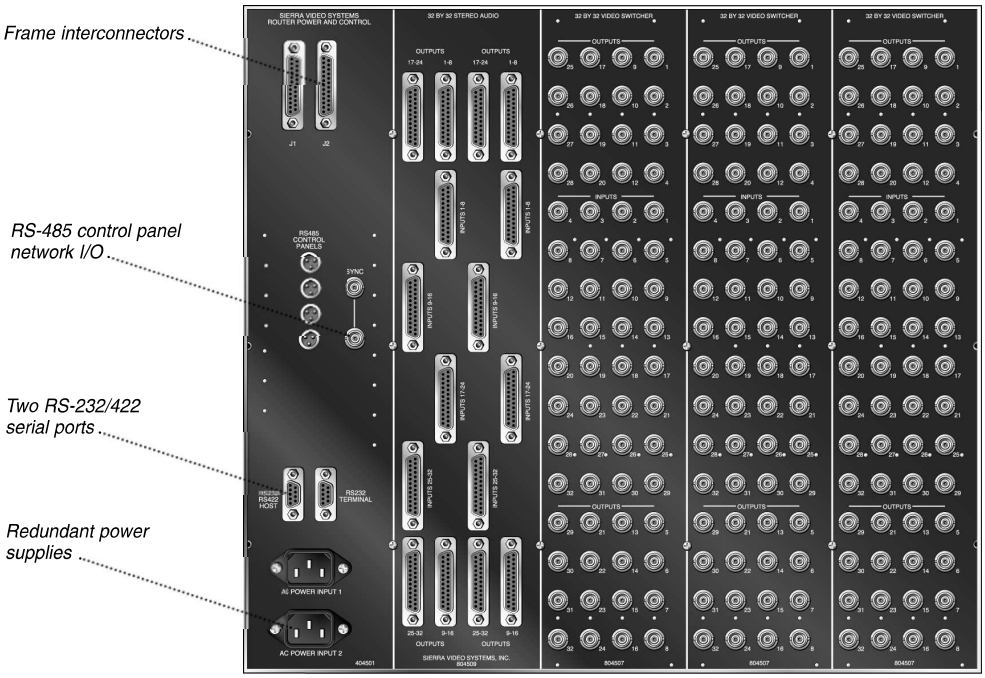
TAHOE 9RU FRAME: MAXIMUM FLEXIBILITY

The 3232CAA, 3264VAA and 32128V frames offer amazing flexibility and can be configured in numerous ways using our convenient front plug-in modules. These Tahoe modules can be interchanged or daisy-chained to house a number of possible audio or video inputs and outputs. With the Tahoe 9RU (15.75”), you can accommodate future expansion with one of the most flexible routing switchers in the industry.

- **Component video • Audio-only • Stereo or dual channel audio • Video only • Video-plus-audio**
- **Standard three-port serial control module • Redundant power supplies and RS-232/422 standard**

TAHOE 3232CAA

This 9RU frame accommodates up to four Tahoe 32 x 8 video crosspoint modules in each of three channels to make up a 32 x 32 component video routing switcher. This system can also be fitted with up to four of our 32 x 16 audio crosspoint modules providing for 32 x 16 or 32 x 32 matrix sizes in the two available audio channels.



TAHOE 3232CAA

32 x 32 component video routing switcher with two audio channels

1 - Tahoe 3232CAA frame	804521
1 - serial control module	504001
12 - 32 x 8 video crosspoint modules	504003
4 - 32 x 16 audio crosspoint modules	504004

Optional Configurations:

- **TAHOE 3224C**
- **TAHOE 3232C**
- **TAHOE 3232CA**

Options for 3232CAA Systems:

Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804521-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

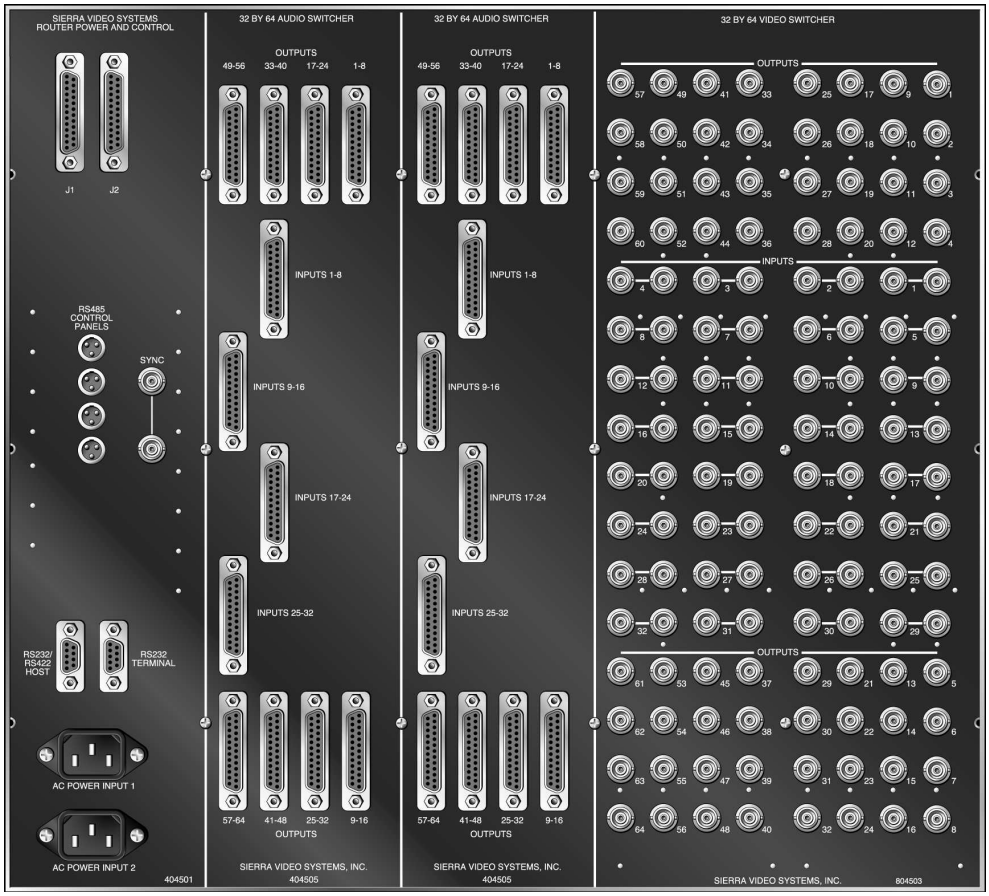
PRODUCT KEY

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D = Serial digital video channel(s).
E = Digital (AES/EBU) audio channel.
P = Pulse channel for switching synchronizing signals.
S = Stereo audio channel switched as a pair.
V = Composite video (1 channel).
W = Wideband channel(s).
Y = Y-C or S-VHS video (2 channels, Y or C).

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TAHOE 3264VAA

This 9RU (15.75") frame accommodates up to eight 32x8 video crosspoint modules and eight 32x16 audio crosspoint modules. Start with 32 inputs and populate outputs from 32, 40, 48, 56 up to 64 composite video and audio dual channel outputs.



TAHOE 3232V

32 x 32 video routing switcher

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
4 - 32 x 8 video crosspoint modules	504003

TAHOE 3264V

32 x 64 video routing switcher

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
8 - 32 x 8 video crosspoint modules	504003

TAHOE 3248VA

32 x 64 video routing switcher with one audio channel

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
6 - 32 x 8 video crosspoint modules	504003
3 - 32 x 16 audio crosspoint modules	504004

PRODUCT KEY

A = Monaural audio channel. Also suitable for time code.
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D = Serial digital video channel(s).
E = Digital (AES/EBU) audio channel.
P = Pulse channel for switching synchronizing signals.
S = Stereo audio channel switched as a pair.
V = Composite video (1 channel).
W = Wideband channel(s).
Y = Y-C or S-VHS video (2 channels, Y or C).

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TAHOE 3264VA

32 x 64 video routing switcher with one audio channel

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
8 - 32 x 8 video crosspoint modules	504003
4 - 32 x 16 audio crosspoint modules	504004

TAHOE 3232VAA

32 x 32 video routing switcher with two audio channels

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
4 - 32 x 8 video crosspoint modules	504003
4 - 32 x 16 audio crosspoint modules	504004

TAHOE 3264VAA

32 x 64 video routing switcher with two audio channels

1 - Tahoe 3264VAA frame	804523
1 - serial control module	504001
8 - 32 x 8 video crosspoint modules	504003
8 - 32 x 16 audio crosspoint modules	504004

Optional Configurations:

- **TAHOE 3240V**
- **TAHOE 3248V**
- **TAHOE 3256V**
- **TAHOE 3248VAA**

Options for 3264VAA Systems:

Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804523-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

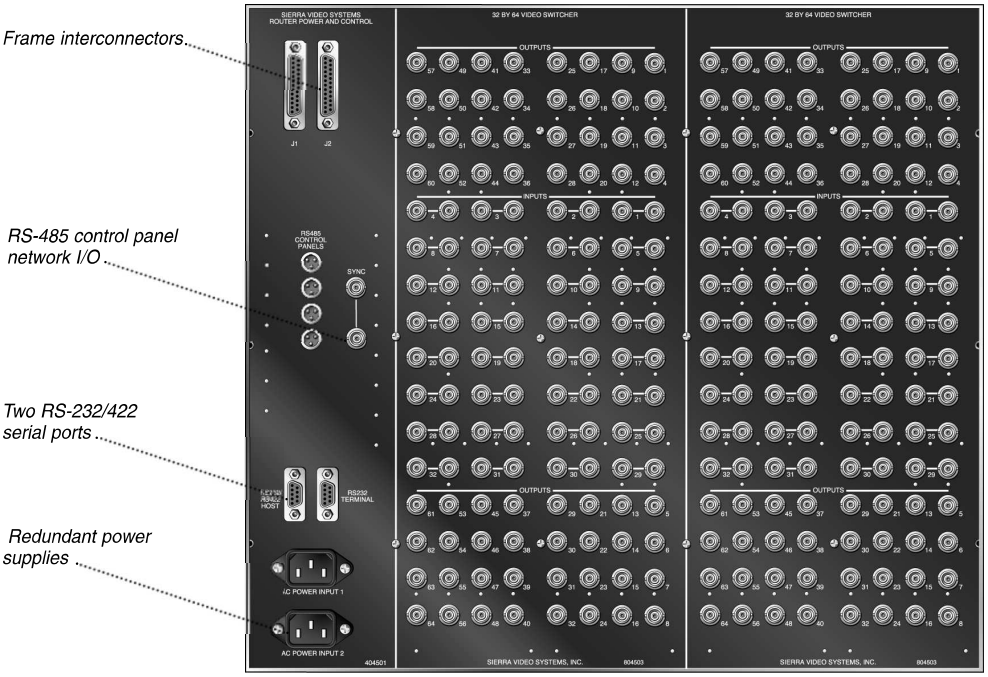
Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

Note: In addition to the above systems, this frame can be used for a number of one, two, three or four channel audio systems from 16 to 128 outputs.

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TAHOE 32128V

This 9RU (15.75") frame accommodates up to sixteen Tahoe 32x8 video crosspoint modules to make up a 32x128 composite video routing switcher. Start with 32 inputs and populate outputs from 96, 104, 112, 120 up to 128 composite video outputs.



TAHOE 32128V

32 x 128 video routing switcher

1 - Tahoe 32128V frame	804524
1 - serial control module	504001
16 - 32 x 8 video crosspoint modules	504003

TAHOE 3296V

32 x 96 video routing switcher

1 - Tahoe 32128V frame	804524
1 - serial control module	504001
12 - 32 x 8 video crosspoint modules	504003

Optional Configurations:

TAHOE 32104V
TAHOE 32112V
TAHOE 32120V

Options for 32128V Systems:

Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804524-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

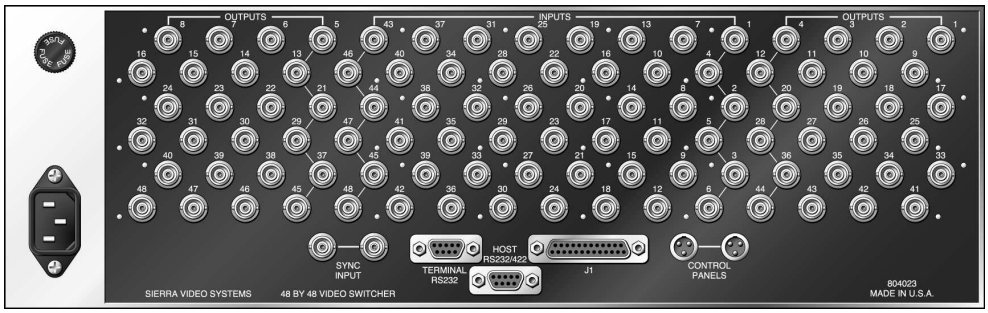
PRODUCT KEY

A = Monaural audio channel. Also suitable for time code.
C = Component video (3 channels, YUV or RGB).
D = Serial digital video channel(s).
E = Digital (AES/EBU) audio channel.
P = Pulse channel for switching synchronizing signals.
S = Stereo audio channel switched as a pair.
V = Composite video (1 channel).
W = Wideband channel(s).
Y = Y-C or S-VHS video (2 channels, Y or C).

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TAHOE 4848V

The 3RU (5.25") Tahoe 4848V frame is used by itself for a single channel video routing switcher with 8, 16, 24, 32, 40 or 48 outputs. Or, it can also be control-linked to one or more 4848AA frames to build multi-level VAA or VAAAA systems. For component video, two additional 4848V frames can be added and the system can be controlled by one control module.



TAHOE 4808V

48 x 8 video routing switcher

1 - Tahoe 4848V frame	804023
1 - serial control module	504001
1 - 48 x 8 video crosspoint module	504022

TAHOE 4832V

48 x 32 video routing switcher

1 - Tahoe 4848V frame	804023
1 - serial control module	504001
4 - 48 x 8 video crosspoint module	504022

TAHOE 4848V

48 x 48 video routing switcher

1 - Tahoe 4848V frame	804023
1 - serial control module	504001
6 - 48 x 8 video crosspoint module	504022

Optional Configurations:

- **TAHOE 4816V**
- **TAHOE 4824V**
- **TAHOE 4840V**

Options for 4848V Systems:

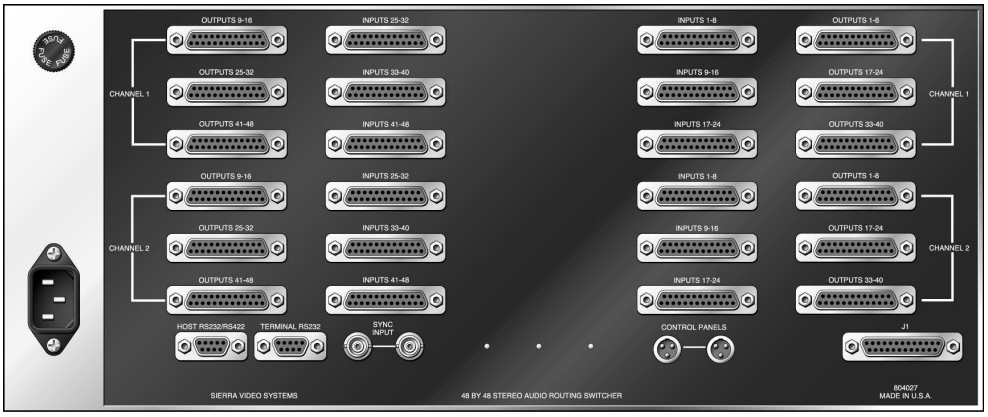
Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804023-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804023-32
RS-422 host serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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TAHOE 4848AA

The 4RU (7") Tahoe 4848AA frame can be used two ways. It can be used by itself for one or two channel audio routing switcher requiring 16, 32 or 48 outputs. Or it can also be control-linked to one or more 4848V switchers to configure a multi-level 4848VAA system. When control linked to another switcher, the model 4848AA does not require the 504001 serial control module.



TAHOE 4816A

48 x 16 one channel audio routing switcher

1 - Tahoe 4848AA frame	804027
1 - serial control module	504001
1 - 48 x 16 audio crosspoint module	504026

TAHOE 4848A

48 x 48 one channel audio routing switcher

1 - Tahoe 4848AA frame	804027
1 - serial control module	504001
3 - 48 x 16 audio crosspoint module	504026

TAHOE 4816AA

48 x 16 two channel audio routing switcher

1 - Tahoe 4848AA frame	804027
1 - serial control module	504001
2 - 48 x 16 audio crosspoint module	504026

TAHOE 4848AA

48 x 48 two channel audio routing switcher

1 - Tahoe 4848AA frame	804027
1 - serial control module	504001
6 - 48 x 16 audio crosspoint module	504026

Optional Configurations:

TAHOE 4832A
TAHOE 4832AA

Options for 4848AA Systems:

Redundant power supply, 115 VAC ± 10% . . . . . Substitute frame 804027-31
Redundant power supply, 230 VAC ± 10% . . . . . Substitute frame 804027-32
RS-422 hosßt serial interface in lieu of RS-232 . . . . . Specify when ordering

Control panels . . . . . See Control Panels Section
Performance specifications. . . . . See page 60

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TAHOE FAMILY PERFORMANCE SPECIFICATIONS

VIDEO INPUT CHARACTERISTICS

Input Impedance . . . . . 75 Ωs
Return Loss . . . . . 40 dB @ 5 MHz
External Sync . . . . . 200mV to 8 V p-p

VIDEO OUTPUT CHARACTERISTICS

Impedance . . . . . 75 Ωs
Return Loss . . . . . 35 dB @ 5 MHz
DC on Signal . . . . . ±50 mV

COMPOSITE VIDEO SYSTEM PERFORMANCE

Gain Adjust Range (Nominal level = 1 V p-p) . . . . . Unity ±2 dB
Frequency Response . . . . . ±0.1 dB, 30 Hz to 8 MHz +0/-3 dB to 40 MHz
Diff. Phase Error . . . . . ±0.1 degree @ 3.58 or 4.43 MHz
Diff. Gain Error . . . . . ±0.1 percent @ 3.58 or 4.43 MHz
Crosstalk . . . . . -60 dB @ 5 MHz (All hostile)
Signal-to-Noise Ratio . . . . . 80 dB to 5 MHz

COMPONENT VIDEO SYSTEM PERFORMANCE

All Tahoes:

Gain Adjust Range (Nominal level = 1 V p-p) . . . . . Unity ± 2dB
Diff. Phase/Gain Error . . . . . ±0.1 degree/±0.1% @ 5.0 MHz
Crosstalk . . . . . -60 dB @ 5 MHz (All hostile); 40 dB @ 40 MHz (Bracketed hostile)
Signal-to-Noise Ratio . . . . . 80 dB to 5 MHz; 70 dB to 40 MHz
Rise Time . . . . . 4 nanoseconds

AUDIO OUTPUT CHARACTERISTICS

Maximum Source Output Level . . . . . Manzanita Series +18 dBm, All Others +24 dBm
Output Impedance . . . . . 150 Ωs, balanced

AUDIO SYSTEM PERFORMANCE

Voltage Gain . . . . . Unity ± 0.1 dB (High-Z balanced output)
Frequency Response . . . . . 20 to 20 KHz ± 0.1 dB, -3 dB @ 100 KHz
S/N Ratio (20 to 20 KHz) . . . . . 110 dB ref. to +24 dBm
Crosstalk (All inputs hostile) . . . . . 80 dB @ 15 KHz
IM & THD (20 to 20 KHz) . . . . . 0.05% to +24 dBm

TAHOE SERIES CONTROL SYSTEM CHARACTERISTICS

Control Panel Port (Port 1) RS-485
Total Number of Panels Supported 64
Cable Type . . . . . 2-wire shielded (Belden 8451 or equal)
Maximum Total Cable Length . . . . . 5000 ft. (1500 m)
Terminal Port (Port 2) . . . . . RS-232 @ 9600 or 19.2K Baud
Host Port (Port 3) . . . . . RS-232 (RS-422 optional) @ 1.2K, 9.6K, 38.4K, and 115.2K bps

PRODUCT KEY

A = Monaural audio channel. Also suitable for time code.
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D = Serial digital video channel(s).
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Y = Y-C or S-VHS video (2 channels, Y or C).

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