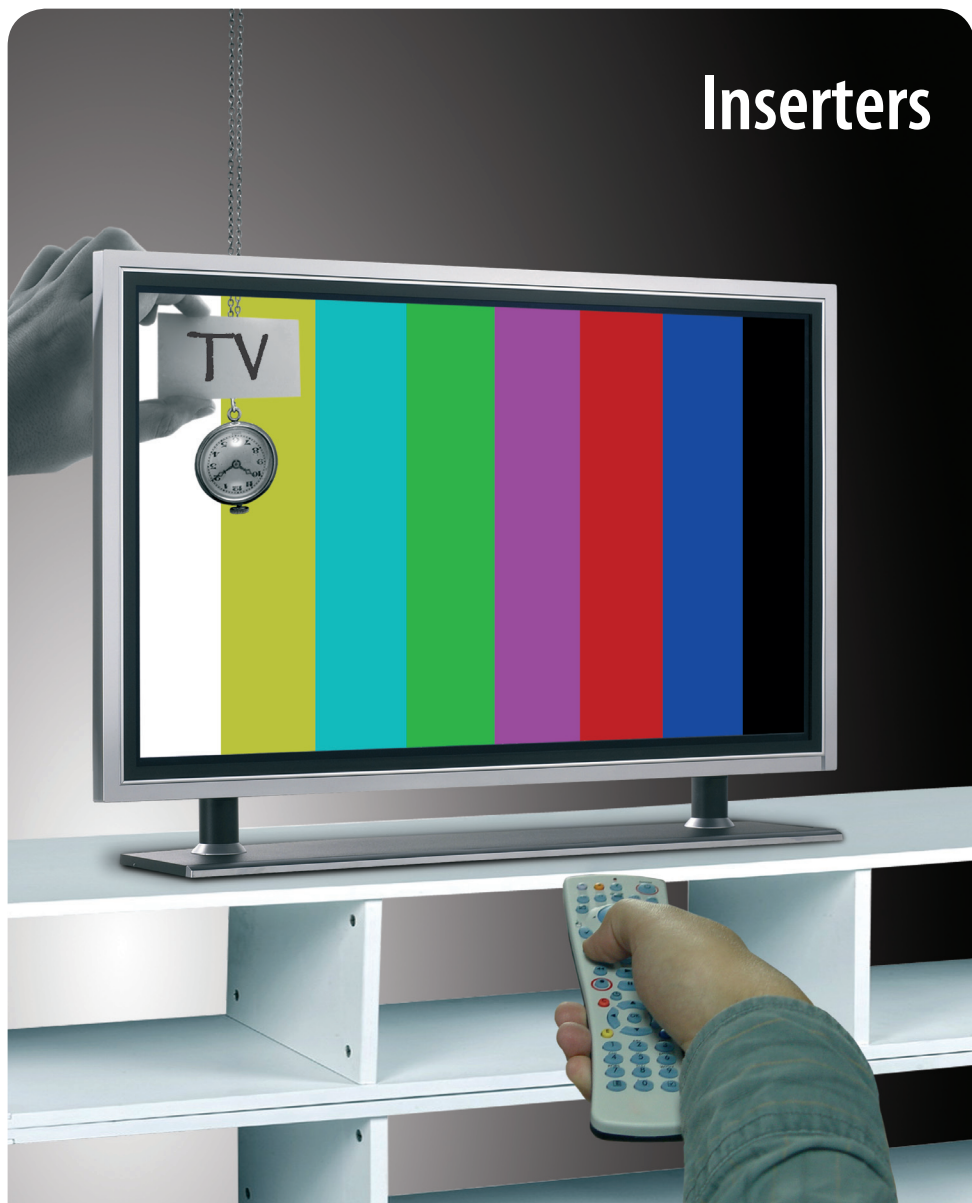


Inserters



sams

Professional and broadcast video/audio equipment

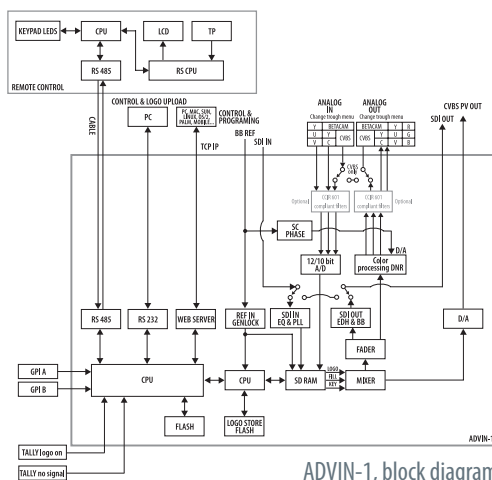
48 Zivka Davidovica st. • 11050 Belgrade • Serbia • +381 11 3806 253; +381 11 2402 212 • sams@sams.rs • www.sams.rs

- Power off / unit fail program video bypass relay (CVBS and SDI only)
- High quality (10/21 bit)
- Programmable hard or transparent key capability
- All four corner display capability
- Support up to 229 independents logos
- Flash memory allows instant reprogrammability
- Analog preview output
- 7 preset animations
- Remote control panel with LCD touch screen
- Control of device via network through web browser
- GPI control and TALLY



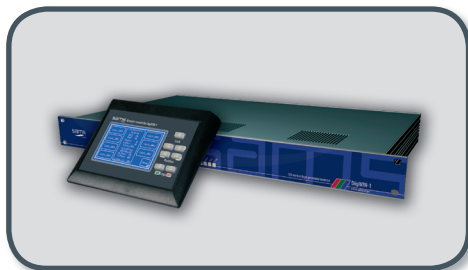
ADVIN-1, rear side

The ADVIN-1 is device with stores and recalls up to 229 individual, dynamically positionable logos from multiformat analog or digital to multiformat analog or digital program signal. It supports real-time play back of video, and can store animated logos lasting up to 9 seconds. Inserter stores full bandwidth logos in high density flash memory that allows instant in-circuit reprogrammability. Logos sizes are 1/9th screen size (256x128 pixel). The device have 7 independently direct access logo settings (macro's). Every macro consist of a 230 steps deep play list and several programmable settings. Every step in a play list contains information of currently displayed frame and step duration time (from 1 frame to 40 minutes adjustable). Play list can be programmed to run animation once or to make a loop or to make static logo. Programmable setting per each macro are: transparency, fade-in time and position information for all four corners. Device can be controlled with LCD touch screen remote control, via network through web browser on any OS or through GPI control switch. Advanced users can create custom applications for controlling of device in playout systems or some remote programming by sending special instructions. The device can be linked with DigiTIM-1 for some joint functions, like ON/OFF and corner position. To protect your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output (only for digital and CVBS) for uninterrupted operation. Pictures are uploaded with included Image Uploader Software for PC or compatible. The device accepts Windows® 8-bit bitmap format.



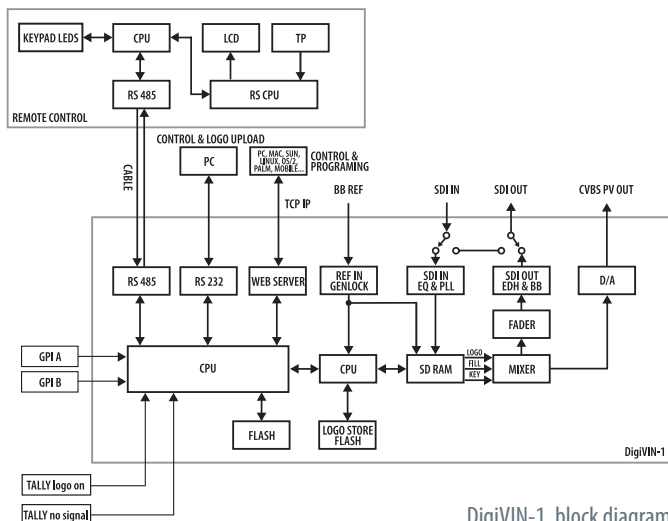
ADVIN-1, block diagram

- Power off / unit fail program video bypass relay
- High quality (10/21 bit)
- Programable hard or transparent key capability
- All four corner display capability
- Support up to 229 independents logos
- Flash memory allows instant reprogrammability
- Analog preview output
- 7 preset animations
- Remote control panel with LCD touch screen
- Control of device via network through web browser
- GPI control and TALLY



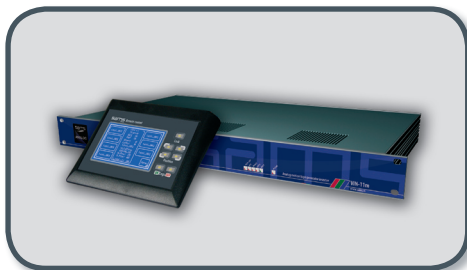
DigiVIN-1, rear side

The DigiVIN-1 is device with stores and recalls up to 229 individual, dynamically positionable logos to digital program signal. It supports real-time play back of video, and can store animated logos lasting up to 9 seconds. Inserter stores full bandwidth logos in high density flash memory that allows instant in-circuit reprogrammability. Logos sizes are 1/9th screen size (256x128 pixel). The device have 7 independently direct access logo settings (macro's). Every macro consist of a 230 steps deep play list and and several programmable settings. Every step in a play list contains information of currently displayed frame and step duration time (from 1 frame to 40 minutes adjustable). Play list can be programmed to run animation once or to make a loop or to make static logo. Programmable setting per each macro are: transparency, fade-in time and position information for all four corners. Device can be controlled with LCD touch screen remote control, via network through web browser on any OS or through GPI control switch. Advanced users can create custom applications for controlling of device in playout systems or some remote programming by sending special instructions. Device can be linked with DigiTIM-1 for some joint functions, like ON/OFF and corner position. To protected your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output for uninterrupted operation. Pictures are uploaded with included Image Uploader Software for PC or compatible. The device accepts Windows[®] 8-bit bitmap format.



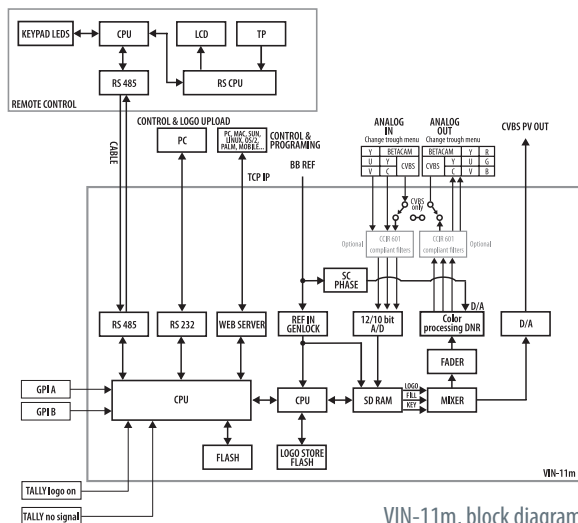
DigiVIN-1, block diagram

- Power off / unit fail program video bypass relay (CVBS only)
- High quality (10/21 bit)
- Programable hard or transparent key capability
- All four corner display capability
- Support up to 229 independents logos
- Flash memory allows instant reprogrammability
- Analog preview output
- 7 preset animations
- Remote control panel with LCD touch screen
- Control of device via network through web browser
- GPI control and TALLY



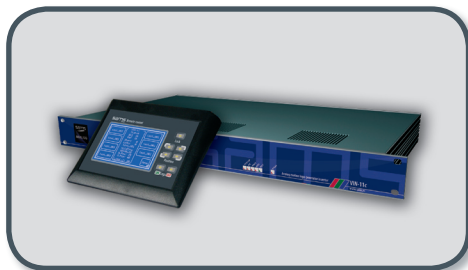
VIN-11m, rear side

The VIN-11m is device which stores and recalls up to 229 individual, dynamically positionable logos to multiformat analog program signal. It supports real-time play back of video, and can store animated logos lasting up to 9 seconds. Inserter stores full bandwidth logos in high density flash memory that allows instant in-circuit reprogrammability. Logos sizes are 1/9th screen size (256x128 pixel). The device have 7 independently direct access logo settings (macro's). Every macro consist of a 230 steps deep play list and and several programable settings. Every step in a play list contains information of currently displayed frame and step duration time (from 1 frame to 40 minutes adjustable). Play list can be programmed to run animation once or to make a loop or to make static logo. Programmable setting per each macro are: transparency, fade-in time and position information for all four corners. Device can be controlled with LCD touch screen remote control, via network through web browser on any OS or through GPI control switch. Advanced users can create custom applications for controlling of device in playout systems or some remote programming by sending special instructions. The device can be linked with DigiTIM-1 for some joint functions, like ON/OFF and corner position. To protected your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output (only for CVBS) for uninterrupted operation. Pictures are uploaded with included Image Uploader Software for PC or compatible. The device accepts Windows® 8-bit bitmap format.



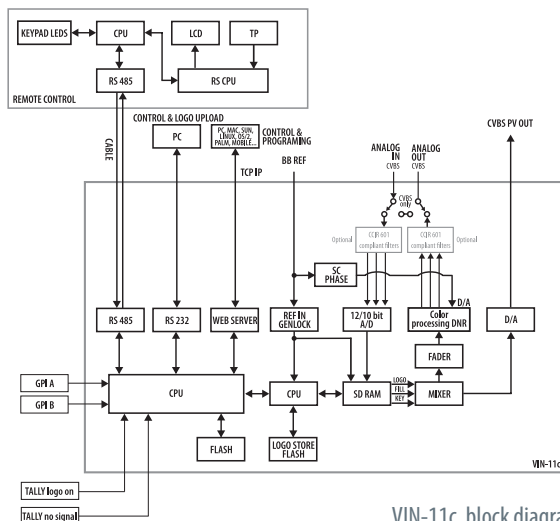
VIN-11m, block diagram

- Power off / unit fail program video bypass relay
- High quality (10/21 bit)
- Programable hard or transparent key capability
- All four corner display capability
- Support up to 229 independents logos
- Flash memory allows instant reprogrammability
- Analog preview output
- 7 preset animations
- Remote control panel with LCD touch screen
- Control of device via network through web browser
- GPI control and TALLY



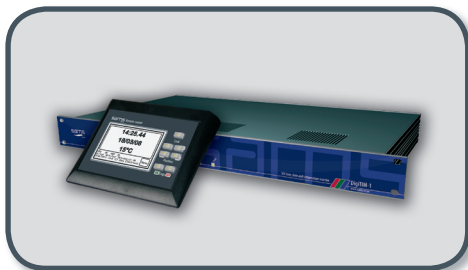
VIN-11c, rear side

The VIN-11c is a device that stores and recalls up to 229 individual, dynamically positionable logos to multifunction analog program signal. It supports real-time playback of video, and can store animated logos lasting up to 9 seconds. The inserter stores full bandwidth logos in high-density flash memory that allows instant in-circuit reprogrammability. Logos are 1/9th screen size (256x128 pixel). The device has 7 independently direct access logo settings (macro's). Every macro consists of a 230 steps deep play list and several programmable settings. Every step in a play list contains information of currently displayed frame and step duration time (from 1 frame to 40 minutes adjustable). Play list can be programmed to run animation once or to make a loop or to make static logo. Programmable settings per each macro are: transparency, fade-in time and position information for all four corners. Device can be controlled with LCD touch screen remote control, via network through web browser on any OS or through GPI control switch. Advanced users can create custom applications for controlling of device in playout systems or some remote programming by sending special instructions. The device can be linked with DigiTIM-1 for some joint functions, like ON/OFF and corner position. To protect your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output (only for CVBS) for uninterrupted operation. Pictures are uploaded with included Image Uploader Software for PC or compatible. The device accepts Windows® 8-bit bitmap format.



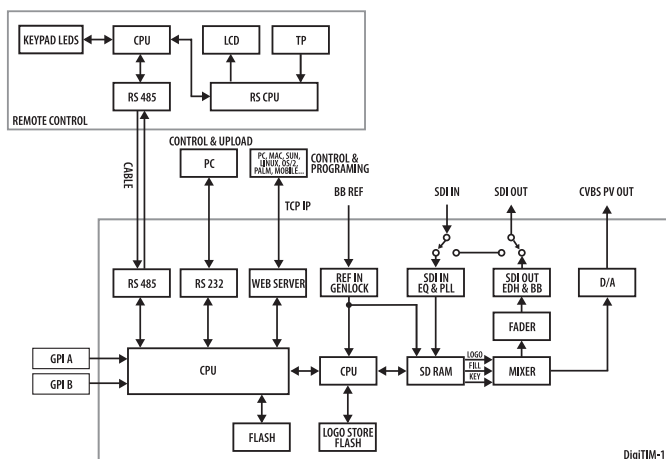
VIN-11c, block diagram

- 2ppm temperature compensated time base with battery backup operation
- Power off / unit fail program video bypass relay
- High quality (10/21 bit)
- Programmable hard or transparent key capability
- All four corner display capability
- Support up to 10 different styles (fonts)
- Flash memory allows instant reprogrammability
- Analog preview output
- User create custom characters
- Remote control panel with LCD touch screen
- Control of device via network through web browser
- GPI control



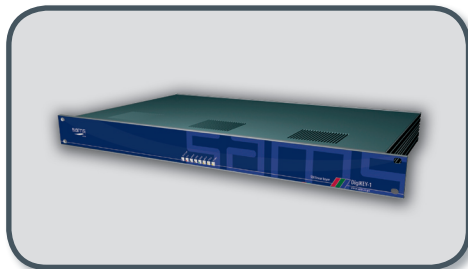
DigiTIM-1, rear side

The DigiTIM-1 is sdi time, date and temperature inserter with real time clock generator. The DigiTIM-1 support 10 different styles (fonts). Each stile have 15 basic characters. User create custom characters for its own needs. The DigiTIM-1 stores full bandwidth pictures in high density flash memory that allows instant in-circuit reprogrammability. Display is limited to 1/9th screen size (256x128 pixel) space. Programmable setting are: transparency, position information for all four corners and fade-in effect. Device can be controled with LCD touch screen remote control, via network through web browser on any OS or trough GPI control switch. Advanced users can create custom applications for controlling of device in playout systems or some remote programming by sending special instructions. DigiTIM-1 can be linked with logo inserter for some joint functions, like ON/OFF and corner position. To protected Your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output for uninterrupted operation. Pistures can be uploaded using Image Uploader Software for PC or compatible. The DigiTIM-1 accepts Windows® 8bit bitmap format.



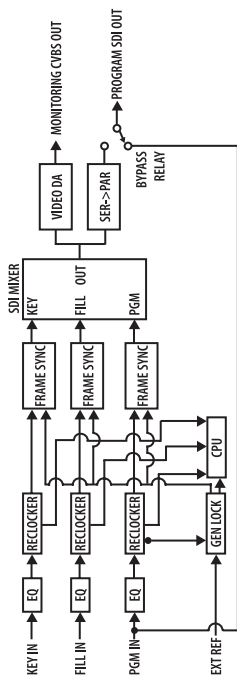
DigiTIM-1, block diagram

- Auto Cable EQ exceeding 200m (usually 300m depend on cable quality)
- Direct YUV mixing
- True 21bit math processing
- Transparent to embedded audio
- Tripple frame synchronizer
- Lock on analog BB reference or on to SDI PGM
- Low jitter (<0.2UI @ 10Hz)
- Bypass relay protection for PGM
- Analog preview output
- Programmable fade time
- Programmable fade level

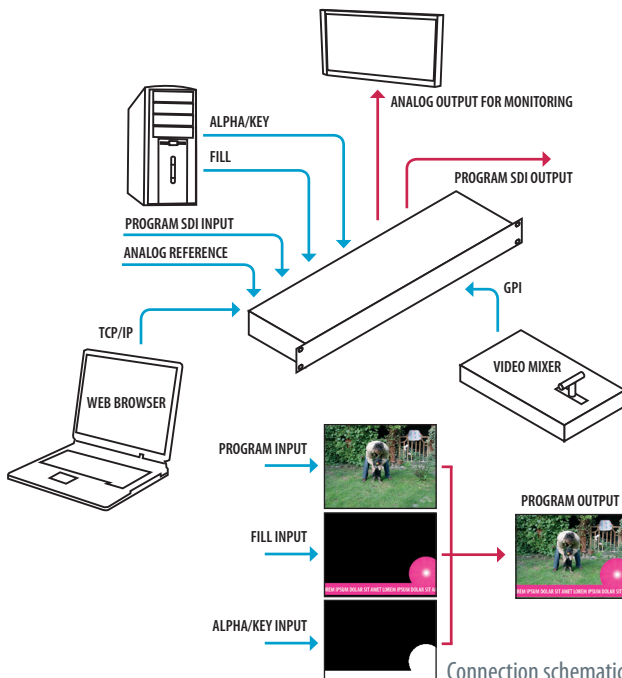


DigiKEY-1, rear side

The DigiKEY-1 is used to key any customized graphic into program channel. Insertion of the graphic can be carried out as either hard keyed or linear (transparent) insertion. All input signals can be asynchronous, because of internal tripple frame synchronizer. Device can be synchronized trough analog external reference, or trough digital program input. To protect Your program signal against failure or power interruptions, a built-in bypass relay routes the program input signal to the output for uninterrupted operation. Insertion can be controled from video mixer via GPI, trough standard internet browser via TCP-IP, or by CGI scripts from user software.



DigiKEY-1, block diagram

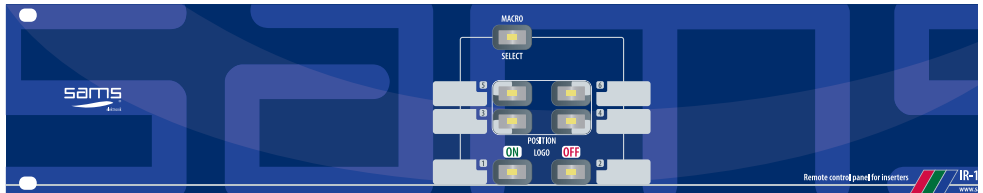


Connection schematic

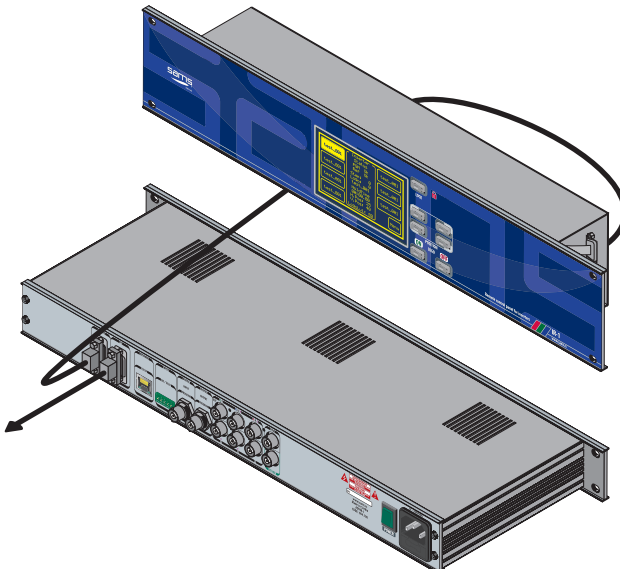
- Remote control with LCD touch screen
- Buttons for corners, ON/OFF and panel lock
- Universal command for all inserters
- Optional, remote without LCD and desktop version
- Easy to use

IR-1 is a remote control in a 2RU 19" unit, which controls and adjusts the inserter. For every day use controls are: OFF / ON, control panel lock and corners. All settings are made via the LCD screen, which is touch-sensitive. Intelligent software identifies the type of inserter and it adjusts the settings menu. The screen allows the indication of the presence of program signal, external reference, as well as all the main settings related to the current inserter. Setup menus are easy to use and can be controlled via live preview output. When you don't want the command to be placed into the rack, but to be placed in front of the operator, order desktop version IR-1c.

IR-1a is the command without the LCD screen and is intended for users who use the settings for specific network applications or playout system.



IR-1, optional command without LCD screen



Inserter and remote control