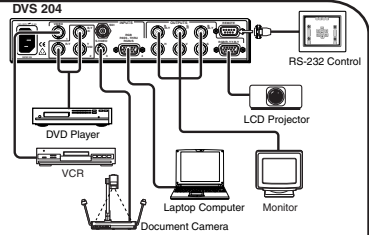# DVS 204 Digital Video Scaler

Installation

1. Turn off power to the DVS 204 and all other devices that will be connected. See the application example on the right.
2. If the scaler is to be rack mounted, remove the self-adhesive rubber feet if they have been attached. Refer to the **DVS 204 User's Manual** for rack mounting instructions.
3. Attach the scaler to the input and output devices. See connector diagrams below.
4. Plug the scaler, input devices, and output devices into a grounded AC source.
5. Turn on the input and output devices. Power up the scaler.
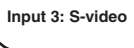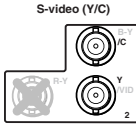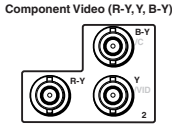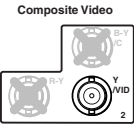6. Use the LCD menu screens to configure the scaler. See Main Menu System below.

DVS 204

RS-232 Control

DVD Player

LCD Projector

VCR

Laptop Computer   Monitor

Document Camera

Input 1: Composite video VIDEO 1   **SDI input** SDI

Input 2: Composite/component/S-video

Composite Video   Component Video (R-Y, Y, B-Y)   S-video (Y/C)

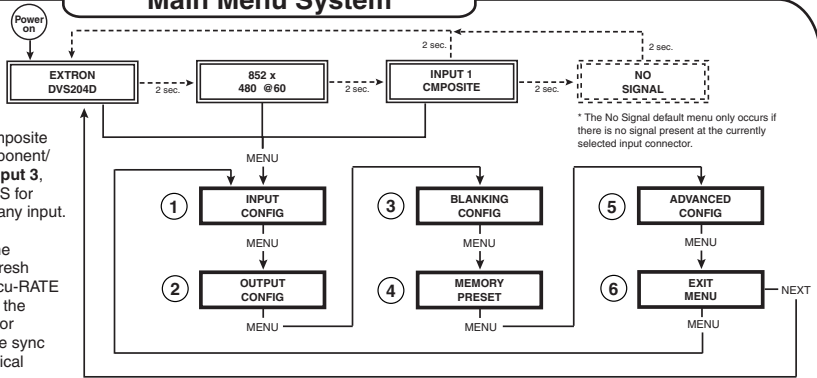**RGBHV OUTPUTS**   **BNC outputs**   **RGBS OUTPUTS**   **15-pin HD output**

RGB/R-Y,Y,B-Y

NOTE *You can connect both outputs simultaneously to two different displays. The sync format is the same for both outputs.*

Input 3: S-video S-VIDEO 3   **Input 4: RGB pass-through/RGBS/RGBcvS**

RGB PASS - THRU/ RGBS/RGBcvS 4

RGsB   Component Video (R-Y, Y, B-Y)

Main Menu System

NOTE *Use the Adjust horizontal knob (◄►) and the Adjust vertical knob (▲▼) to select menu options.*

Power on → EXTRON DVS204D → (2 sec.) → 852 x 480 @60 → (2 sec.) → INPUT 1 CMPOSITE → (2 sec.) → NO SIGNAL → (2 sec.)

* The No Signal default menu only occurs if there is no signal present at the currently selected input connector.

MENU

① INPUT CONFIG → MENU → ② OUTPUT CONFIG → MENU

③ BLANKING CONFIG → MENU → ④ MEMORY PRESET → MENU

⑤ ADVANCED CONFIG → MENU → ⑥ EXIT MENU → NEXT → MENU

① **Input configuration –** Select composite video for **Input 1**, composite/component/S-video for **Input 2**, S-video for **Input 3**, RGB pass-through/RGBS/RGBcvS for **Input 4**. SDI can be assigned to any input.

② **Output configuration –** Select the required output resolution and refresh rate combination and whether Accu-RATE Frame Lock™ is in effect. Select the display's sync format: RGB, YUV, or RGsB. Select positive or negative sync polarity for the horizontal and vertical sync.

NOTE *Sync polarity cannot be specified for RGsB output.*

③ **Blanking configuration –** Top and bottom blanking will remove scan lines from the top and bottom of the screen. Undesired noise or other material, like closed captioning, can be removed. Adjust the blanking from 0 to 127 lines.

④ **Memory preset –** The presets save **Sizing** and **Centering** information for each input (up to 3 presets per input) *except* for the pass-through inputs (RGB on **Input 4**). Select a preset number in the Save submenu of the input, then press the NEXT button to save a preset. To delete a saved preset in the Clear submenu of the input, select the preset number, then press the NEXT button to clear the preset. To recall an input's saved preset, select the input and press the input button successive times to activate each saved preset for that input. Each recalled preset will display the message "Input X Memory Y" where "X" refers to the input (1 to 4) and "Y" refers to the preset (1 to 3).

NOTE *If no signal is present at the input, no preset can be saved and the "No Signal" message will appear as part of the default cycle.*

⑤ **Advanced configuration –** The **Detail** feature controls output sharpness. The adjustment ranges from 0 to 63.
The **Filter mode** reduces or eliminates aliasing and the resultant "jail bar" effect. For digital displays, set the filter On to reduce high frequency noise. For CRTs, set the filter Off.
Blue mode can be set On/Off. Setting this mode On will pass only sync and blue signals to the display for setup purposes. The Blue mode will be effective for RGB pass-through and YUV input signals YC input signals will pass the Y, but not the C signal, so the output display will be black-and-white only.
Autoswitch mode causes the highest numbered input that has a signal present to be automatically selected. This mode is enabled by setting Autoswitch to On. Setting this mode Off will disable Autoswitch.
Enhanced mode will enabled/disabled automatic gain control. A weak signal level will be increased, and an excessive signal level will be decreased. This mode can be set On or Off.

⑥ **Exit –** Return to the default menu cycle by pressing the NEXT button, or return to the Input configuration menu by pressing the MENU button.