

Example Customer Video Walls using Brick-2 Video Wall Processor with External Video Matrix Switch

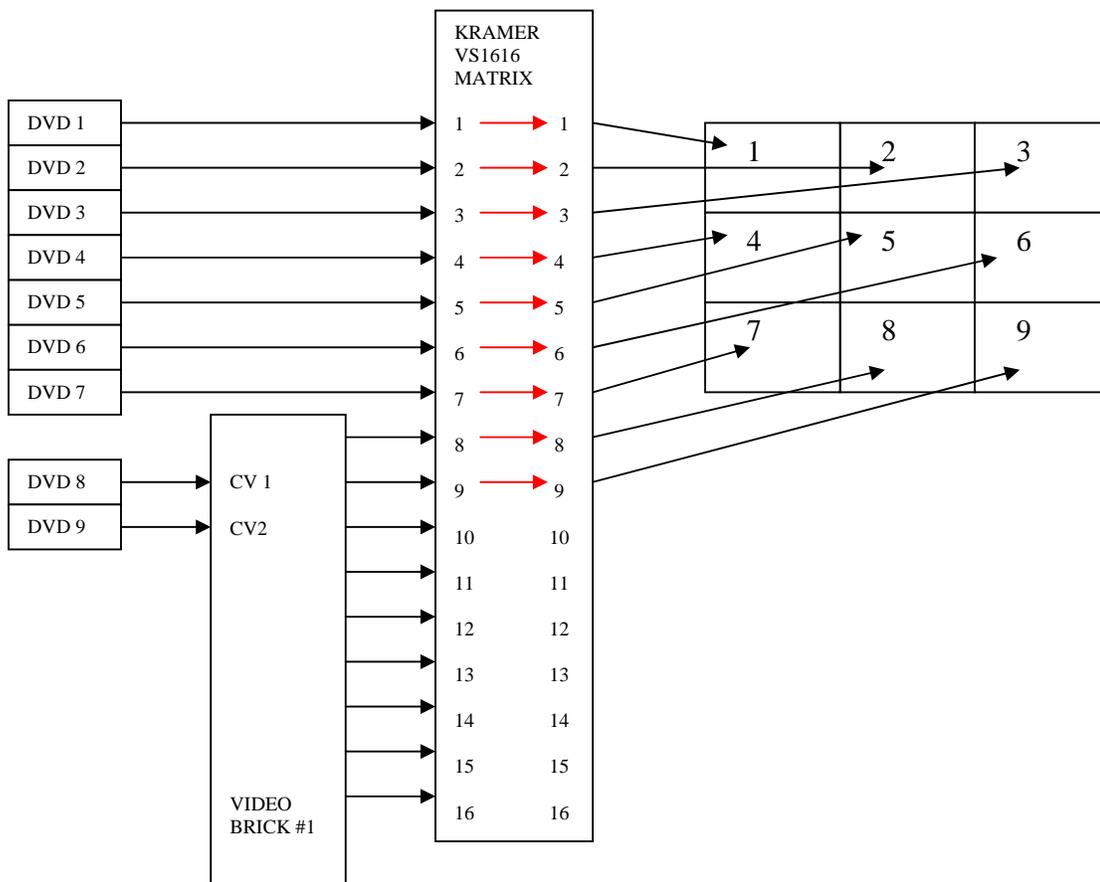
This document describes the implementation of two separate video walls using two Brick-2 16-monitor processors combined with Kramer video matrix switches.

The Kramer switches are controlled by the Brick-2 processors via RS232 to eliminate the need for a separate PC to drive the sequence loops.

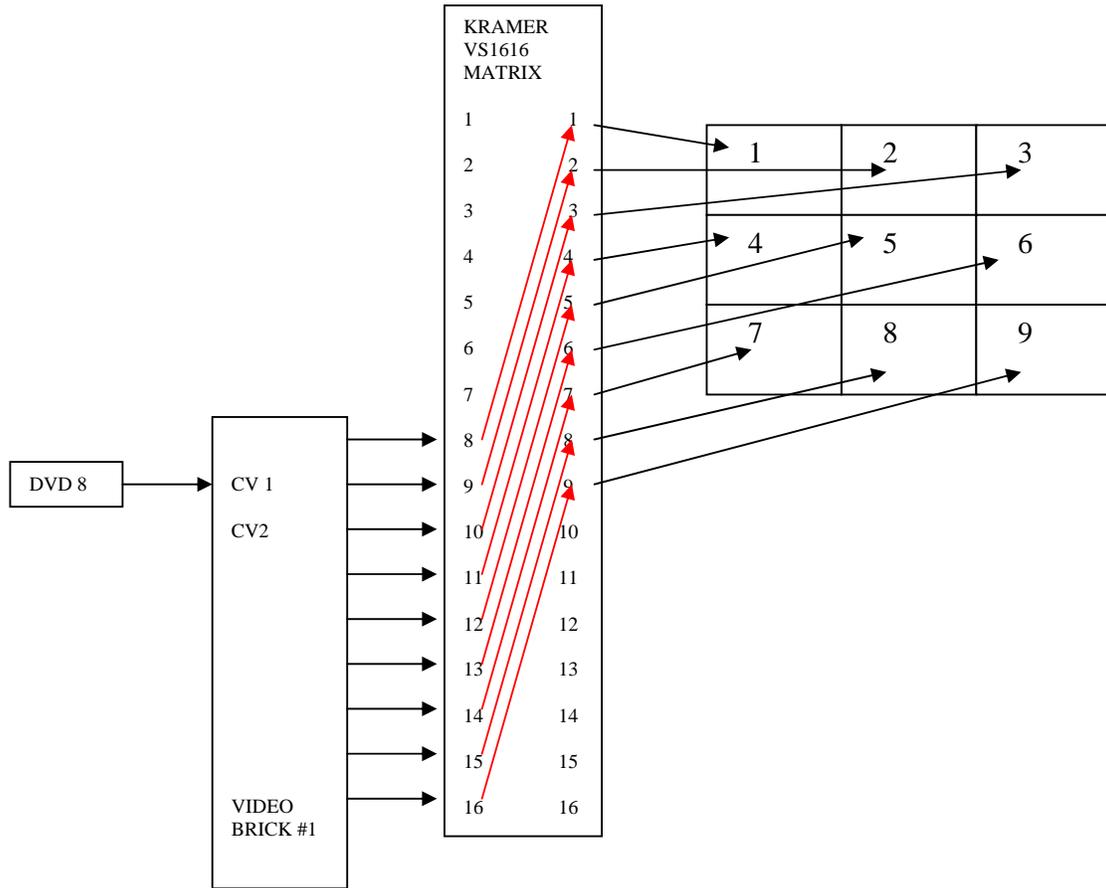
These diagrams show different effects configuration called-up by the processor in a stand-alone sequence running indefinitely in a loop.

3 x 3 Video Wall using 50-inch NEC Plasma

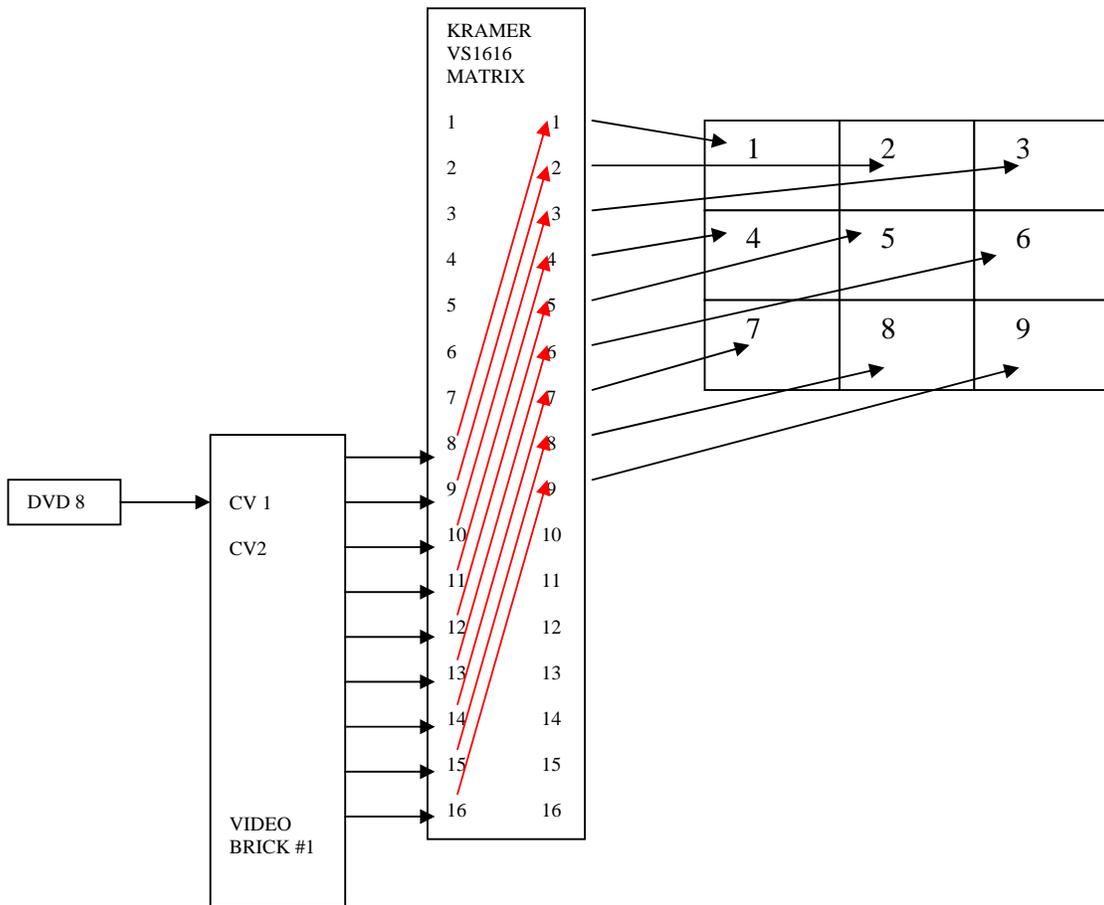
Scene 1 : 9 singles from 9 DVD players



Scene 2 : 9 singles from 1 DVD player



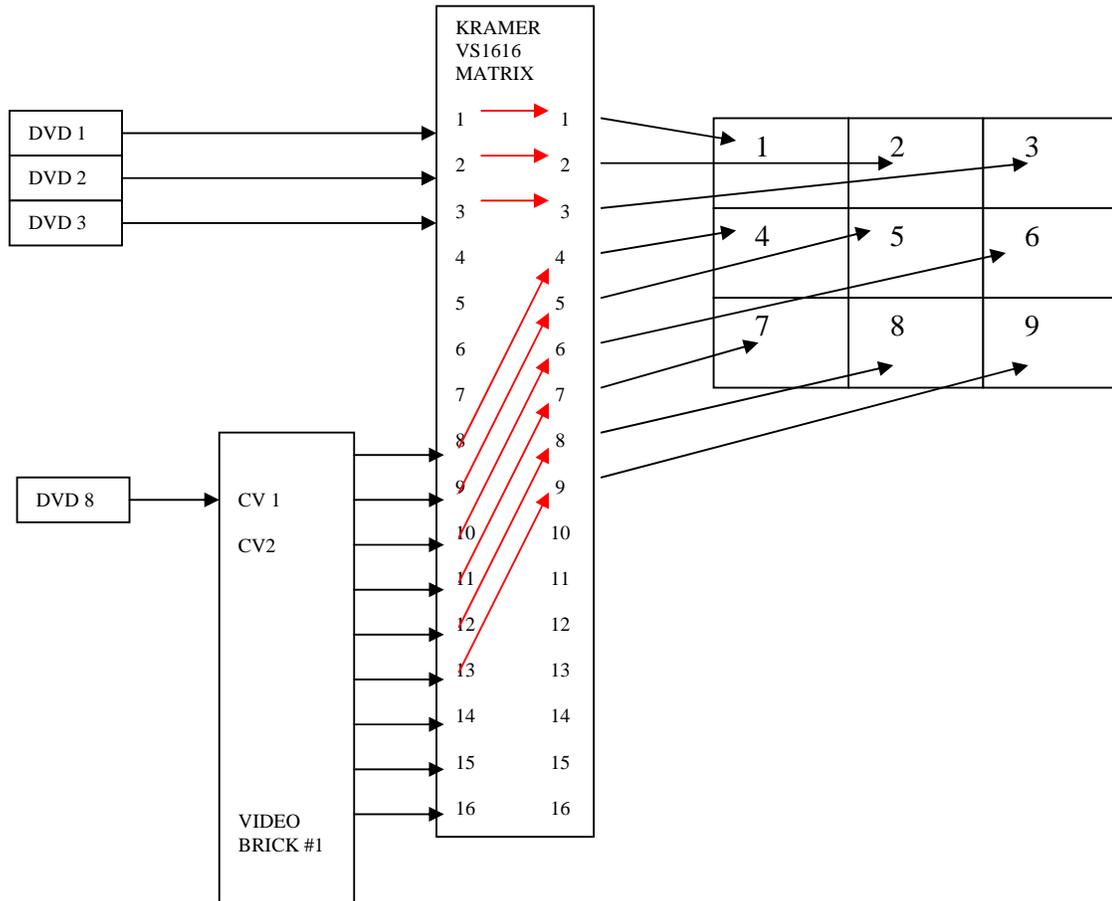
Scene 3 : Big Picture from 1 DVD player



Scene 4 : 3 x 2 Big Picture on 6 screens – 3 Singles on top screens

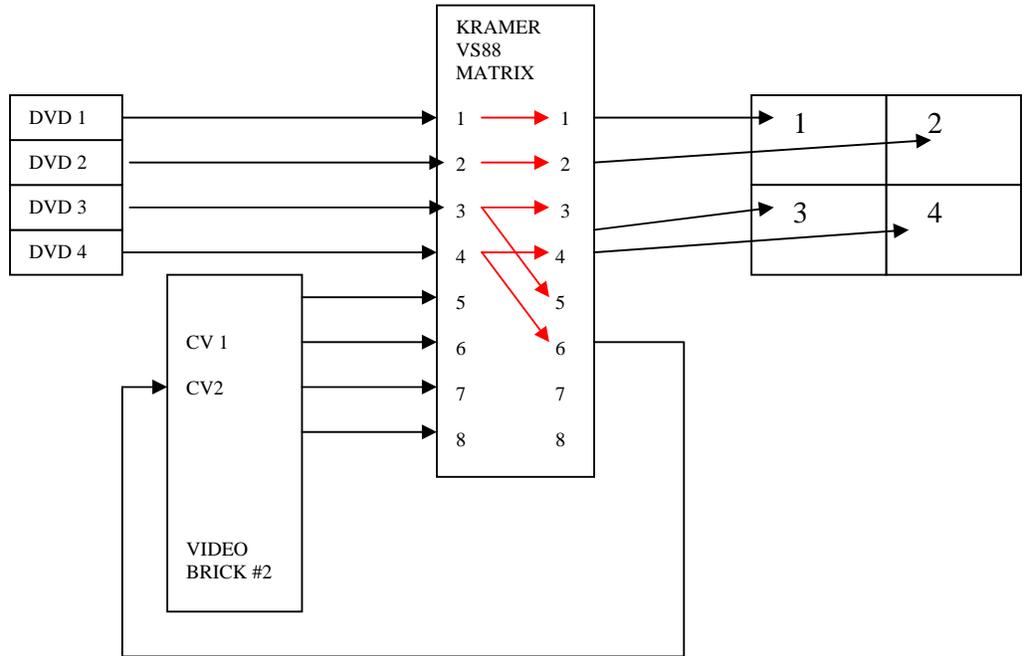
Singles from separate DVD players.

Big picture from another DVD player.

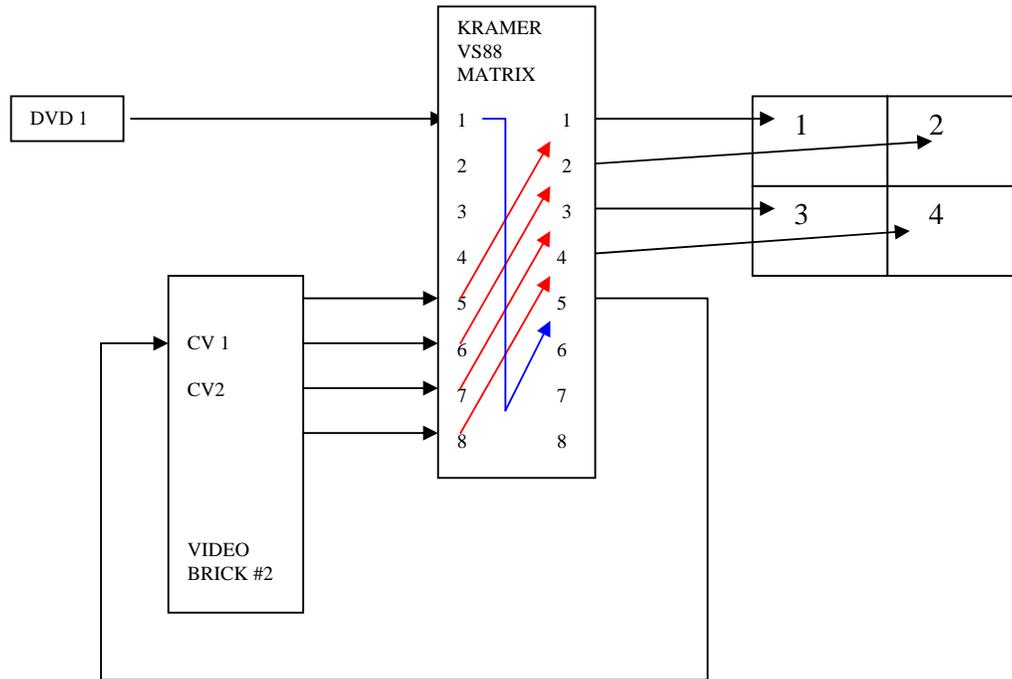


2 x 2 Video Wall using 50-inch NEC Plasma

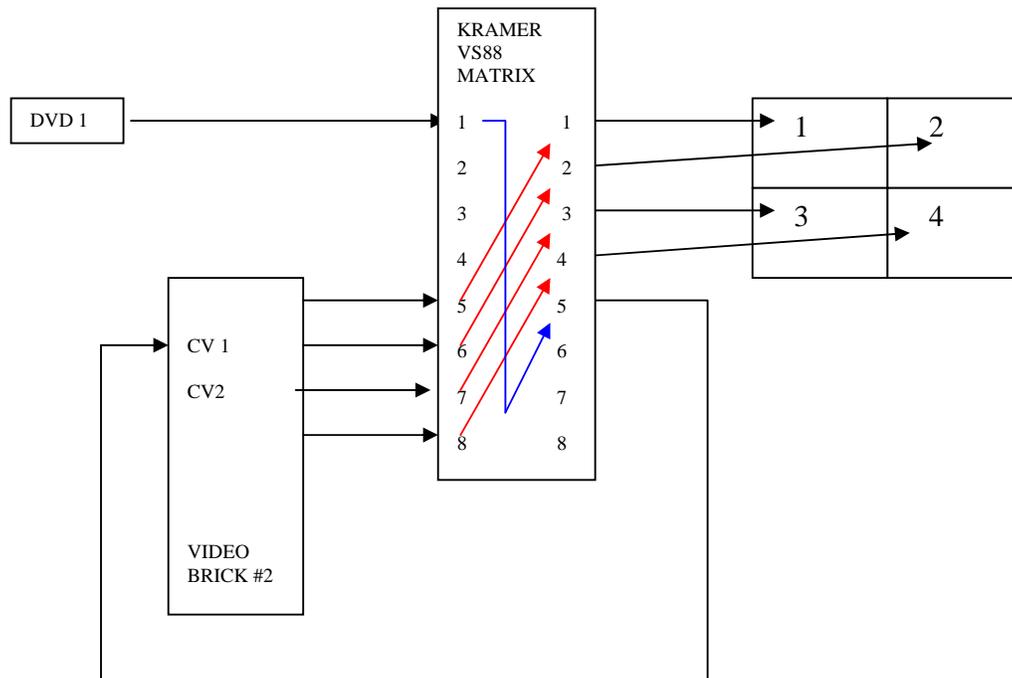
Scene 1 : 4 singles from 4 DVD players



Scene 2 : 4 singles from 1 DVD player



Scene 3 : Big Picture from 1 DVD player



Control Script Programming

The Brick-2 controls the Kramer video matrix switches via the RS-232 **loop** port which can be set using the software to be independent of the RS232 **host** port.

Normally the **loop** RS232 port is a copy of **host** RS232 port to enable a number of Brick-2 processors to be simply daisy-chained for PC control and configuration purposes.

The default RS232 speed is 19200. This needs to be set to the speed the Kramer switches require which is 9600. The Brick-2 script commands to do this are:-

```
send 7 0 12 1      ; Disable loop through mode
send 7 0 1 1 3     ; Set the Loop out port speed to 9600
```

Then you can send arbitrary strings out of the loop port to the external devices, for example:-

```
send 7 0 111 "any string", 0x0d, 0x0a
```

If you connect a PC to the loop port and use hyperterm you will see "**any string**" printed when you execute the function. (This needs to be via a crossover cable - null modem cable - not a straight through cable as required for the host connection because the loop port is wired to look like a PC.)

The ASCII characters in quotes can only be alpha-numeric. Control characters need to be sent separately. (The commas are optional - white space will do). They can be in hex (0x..) or decimal, e.g. 13, 10 for cr lf.

More information can be provided on request: support@mediat.co.uk

END.