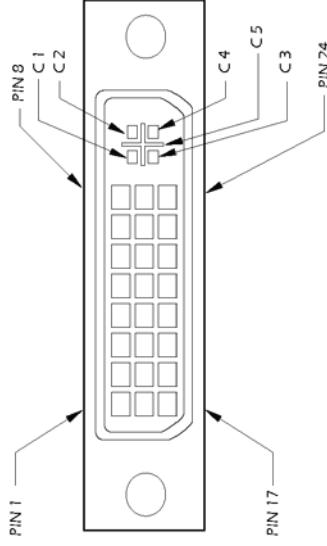


Technical Specifications

Video	
Video Amplifier Bandwidth	165 MHz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1080 / 1920 x 1200
DVI Connector	DVI-I 29 pin female
Control	
Serial Controls	RS-232, DB9 female connector
Power	
Power Supply	5VDC-3A
Physical	
Dimensions	17"W x 1.75"H x 7"D
Weight	4.05 lbs.



Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

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For the complete manual, visit www.smartavi.com.

Smart-*AVI*

Smart Audio Video Innovation

User Manual

StretchPro

Stretch Any DVI-D Source Across Four DVI or VGA Screens



Smart-*AVI*

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Introduction

SmartAVI's StretcherPro is a dynamic, real-time video wall system that will soon have you stretching high-definition images and video over four screens, creating a fantastic and eye-catching presentation for your customers or clients in no time.

This video wall system controller can take any DVI-D source and stretch it across four VGA or DVI screens. You will find that this device supports the highest resolution available (1920 x 1200) for single-link DVI-D.

As you explore StretcherPro, you will see that each of your screens can display $\frac{1}{4}$ of a selected image in a 2x2 format, using real-time scaling.

In addition to using your new StretcherPro to control a four-screen display, this hardware is fully expandable to manage as many as 128 screens, making it the perfect solution for entry-level display walls, all the way up to industrial deployments (when used in conjunction with SmartAVI's video wall systems).

Features

- Supports DVI-D Input
- Supports Multiple DCC Tables
- High-Definition Resolutions up to 1920 x 1200 Supported
- Outputs to Four Screens, Each Showing $\frac{1}{4}$ of the VGA Image (2x2 Format)
- Supports Analog and DVI LCD Displays
- Stand-Alone Unit; no Additional Hardware/Software to be Installed on Your Computer
- Multiple Units Can be Linked for Larger Wall Configuration

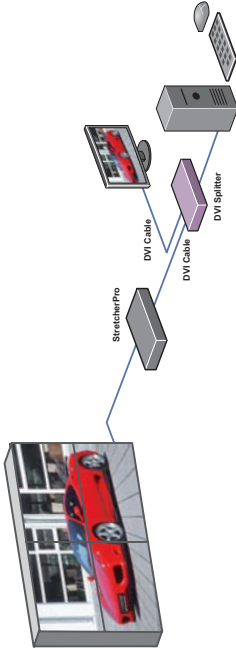
What's in the box?

Description	Part Number
UX-Stretcher: Expand any DVI-D among 4 DVI-I screens. Includes: [UXST4, (CCPWR06)]	UXST4S

Practical Applications

- Informational Displays
- Command Centers
- Control Rooms
- Simulation Systems
- Houses of Worship
- Convention Facilities
- Theme Parks
- Resorts
- Casinos

Installation Diagram



StretcherPro Installation Diagram

Getting Started

Hardware Installation

1. Ensure the power supply for the PC is disconnected.
2. Connect the DVI output from the PC to the Input 1 port on the rear panel, using a DVI-D cable.
3. Connect the four displays to the output ports on the rear panel, using a DVI-D cable for DVI monitors or DVI/VGA adapters for VGA displays.
4. Connect the power adapter to the unit.
5. Power up the PC.

When powered on, StretcherPro will carry out a self test. If the test is successful, the LCD on the front panel will recognize the digital video input.

Controlling StretcherPro

StretcherPro is controlled manually via the LCD display screen on the front panel of the unit.

Supports Multiple DCC Tables

A DCC table is a "list" of supported resolutions that the computer uses to communicate with the display screens. There are different DCC tables for PCs vs. Mac (as well as other hardware systems on the market). StretcherPro is equipped to emulate each of these tables, allowing it to work with whatever type of computer hardware you wish to run your digital signage from.

StretcherPro Learning Mode

SmartAVI's StretcherPro "learns" the specifications of any monitor connected to it. This gives the hardware the ability to emulate the monitors even if none are connected at a later time. Many control computers/routers won't power up properly (or at all) without the display monitors attached at all times. StretcherPro's capacity to learn and remember the display monitors allows you the freedom to work on your content management/scheduling without being plugged in and powered up to your entire digital signage network every time you want to make a change or work on a new presentation.

To enter learning mode, simply hold both front panel buttons down simultaneously for a moment and the "Setup Menu" will come up on the LCD screen.

By pressing the Scroll button, you can cycle through the unit's learning options. When the desired learning mode is displayed, press the Enter button; this will execute the selected learning feature and will return the router to normal operation.

