HD Video Wall Controller

Create a 2x2 video wall from a source with an HDMI output and four HDTV displays

The Gefen HD Video Wall Controller is the perfect solution for entertainment and digital signage applications in retail outlets, clubs, trade shows, control centers, building lobbies, and other similar venues. The HDTV displays are installed in a 2x2 configuration to create a large video wall. It accepts a single HDCP-compliant HDMI source and divides the picture over four equal-sized displays, each with resolution up to 1080p Full HD. The HD Video Wall Controller's versatile bezel compensation ability can accommodate any display bezel width. Power on, Lock, and menu navigation control buttons are accessible via front panel and the handheld IR remote control, as well as via RS-232 and IP (web server interface, Telnet, and UDP). An intuitive on-screen Graphical User Interface simplifies set-up and configuration.
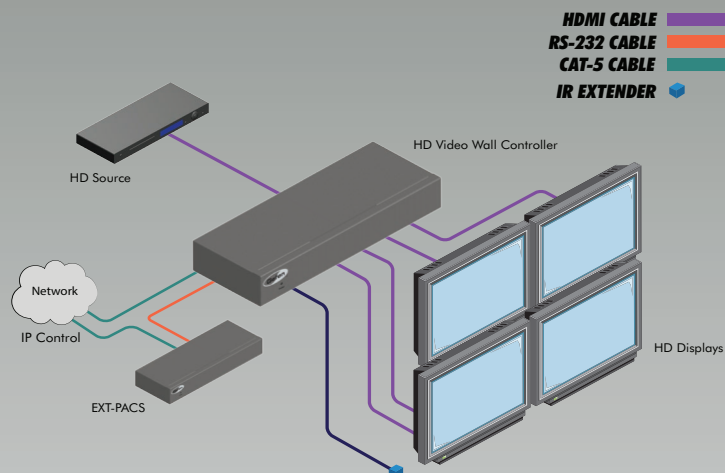
How It Works

Using the included HDMI cable, connect an HDCP-compliant source to the HDMI input on the Video Wall Controller. Using HDMI cables, connect four Hi-Def displays to the outputs of the unit. To use the built-in web server, Telnet, or UDP to set up and control the video wall controller, connect an Ethernet cable from your Local Area Network to the IP Control port. To control the unit via RS-232, connect the included DB-9 cable from an automation control device to the unit. If IR control using the included handheld remote is required and the unit is not installed in the line of sight, connect the included EXT-RMT-EXTIRN IR Extender to the IR Ext port on the back panel of the unit. Connect the included locking power supply to the unit and to an available electrical outlet. Power up the HD Video Wall Controller, the source, and the four displays.

Gefen, LLC
20600 Nordhoff Street, Chatsworth CA 91311
Tel. (818) 772-9100   (800) 545-6900   Fax (818) 772-9120

Wiring Diagram

HDMI CABLE
RS-232 CABLE
CAT-5 CABLE
IR EXTENDER

HD Source

HD Video Wall Controller

Network

IP Control

EXT-PACS

HD Displays

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

1080P PROGRESSIVE

HDCP COMPLIANT

Features *

• Create a 2x2 video wall from any Hi-Def source, using four HDTV displays	• Configurable via easy to use on-screen Graphical User Interface (GUI), web server interface, Telnet, UDP, and RS-232
• Split and scale a single Hi-Def source to four displays	• Handheld IR remote control
• Input and Output resolutions up to 1080p Full HD and 1920x1200 (WUXGA)	• Field-upgradeable firmware via web server interface or USB
• HDCP compliant	• IR Extender input on back panel
• Mute All command via IR, RS-232, and IP accommodates Public Address announcements by cutting off HDMI audio to all four displays	• Locking power supply connector
• Advanced Bezel Compensation feature provides compatibility with virtually any screen frame width, and allows for accurate display of the image	• 1U tall rack-mountable enclosure, rack ears included
• Controllable via front panel, IR, IP (web server interface, Telnet, and UDP), and RS-232	

Specifications *

• Video Input connector	(1) HDMI Type A, 19-pin, female, locking
• Video Output connectors	(4) HDMI Type A, 19-pin, female, locking
• RS-232 connector	(1) DB-9, female
• IP Control connector	(1) RJ-45, female
• USB Connector	(1) Mini-B
• IR Ext Connector	(1) 3.5mm stereo mini-phone jack
• IR Extender type	EXT-RMT-EXTIRN
• Menu button	(1) tact-type, blue backlight
• Menu Navigation buttons	(5) tact-type
• Lock button	(1) tact-type, blue backlight
• On/Standby button	(1) tact-type, blue backlight
• Standby Indicator	(1) LED, red
• Power Supply	12V DC, locking
• Power Consumption	24W max.
• Dimensions (W x H x D)	16.9" x 1.7" x 7.9" (430mm x 42mm x 200mm)
• Unit Weight	5.3 lbs. (2.4 kg)