

## CHANNEL VISION Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for two years from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

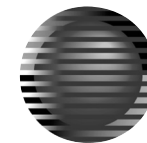
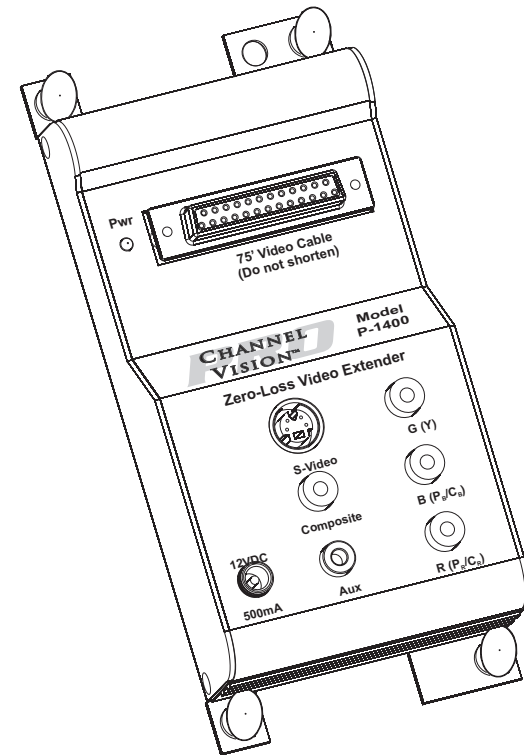
Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.

500-096 rev A

# CHANNEL VISION™

## P-1400 Zero Loss Video Extender



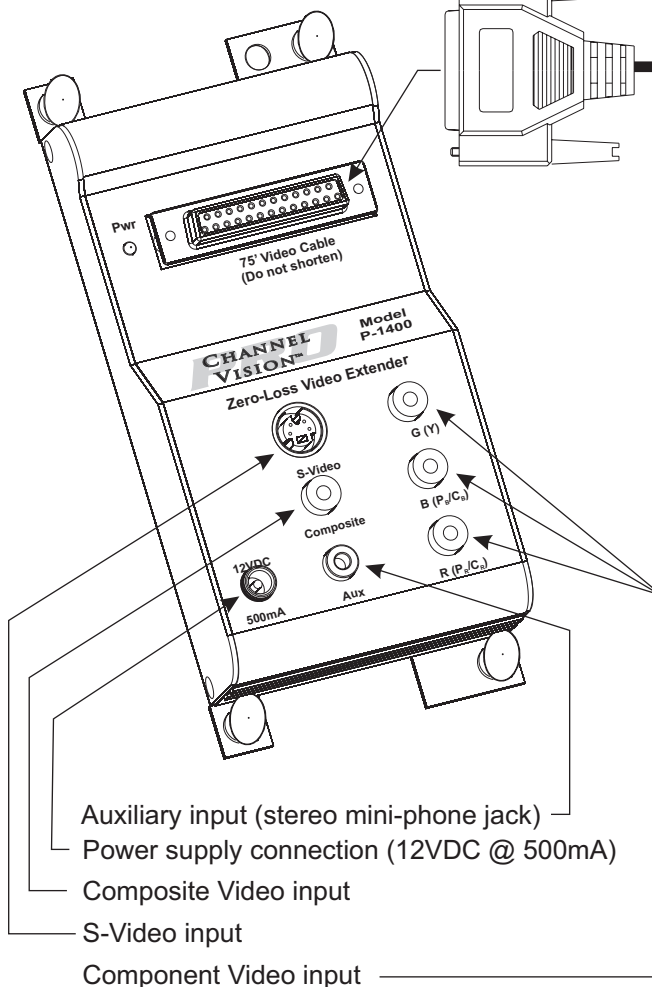
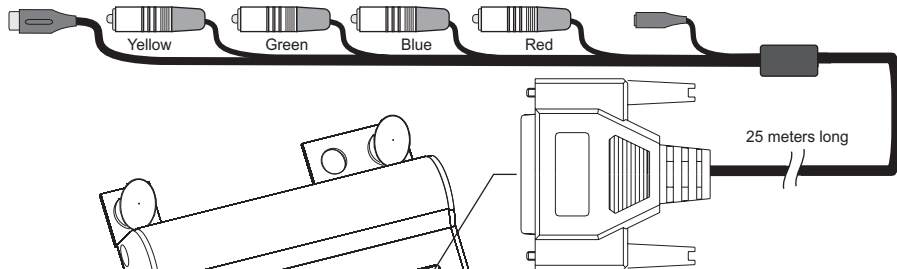
CHANNEL VISION™

234 Fischer Avenue · Costa Mesa, CA 92626  
(714) 424-6500 · (800) 840-0288 · (714) 424-6510 fax  
www.channelvision.com · email: sales @ channelvision.com

The **P-1400** is a zero-loss video extender that will distribute component video, S-video, and composite video over a 25 meter cable without loss of video signal. This product is ideal for sending high quality video to a home theater projector.

**Features:**

- Installs easily in 19" rack (using P-1300) or in a structured wire enclosure
- Two units can be cascaded for runs up to 150'.
- Zero-loss on all video signals
- Distributes all analog video formats on a single cable
- Hi-isolation on all video signals (keeps S-Video out of component signal)
- Shielded pair Aux connection for: Stereo audio, IR target or emitter, 12V trigger signals.
- Fits 3/4" conduit-pull loop included



- Auxiliary input (stereo mini-phone jack)
- Power supply connection (12VDC @ 500mA)
- Composite Video input
- S-Video input
- Component Video input

**Specifications:** (Typical @ 50 C)

**Length of cable:** 25 meter/82 feet (cannot be shortened)

**Component video:**

Gain:  $\pm 1/2$ dB

Flatness:  $\pm 1/4$ dB 50Hz - 30MHz

Skew: <1nsec

**S-Video and composite:**

Gain:  $\pm 1/2$ dB

Flatness:  $\pm 1/4$ dB 50Hz - 6MHz

Isolation all cables >60dB

Specifications subject to change without notice.

**Patent Pending**

## Theory of operation

The P-1400 was designed to delivery flawless High-Definition video from the output of your source to the input of your display device. To achieve this goal we have engineered an amplifier and cable that work together to distribute with zero signal loss (Patent Pending).

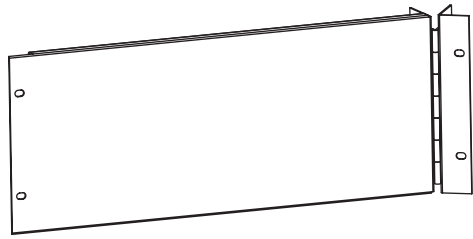
Modern home theaters often have long cable runs from equipment to the display. Ceiling mounted projectors are usually the worst, with runs of over 50 feet common.

Coax cables all have loss that affect the sharpness of the image. Even worse, this loss is frequency dependant! HDTV bandwidths of component video make this a serious problem. Installers use very expensive cable to try to minimize this problem. But even the most expensive cable will degrade your image on all but the shortest cable runs.

The P-1400 zero-loss video extender eliminates this problem! The P-1400 precisely pre-equalizes the signals at the beginning of a 25 meter cable. So what goes in is what comes out: Zero-loss!

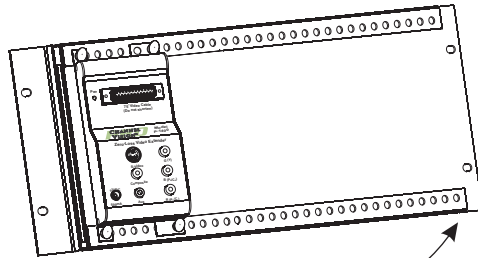
The P-1400 provides connections for  
 Component video  
 S-video  
 Composite video  
 Plus a shielded stereo pair for analog audio, IR signals or 12V triggers.  
 Connectors are enclosed in a sheath with an attached pulling wire.  
 Fits 3/4" conduit.

## Mounting Options



The **NEW P-1300** from Channel Vision's Pro-series product line is the perfect home for the P-1400. The P-1300 is a hinged plate designed to fit into a standard 19" rack.

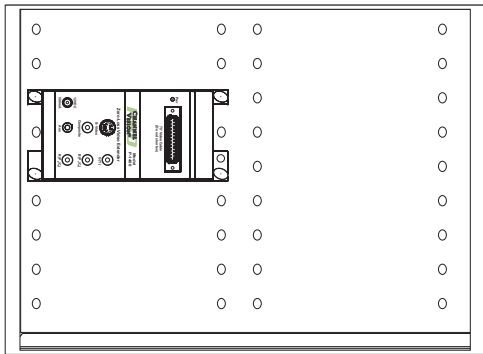
The **P-1300** hinges open to maintain a clean look and provide easy access for servicing equipment.



The P-1400 can also be mounted in a standard structured wiring enclosure or screwed to a wall or flat surface as shown below.

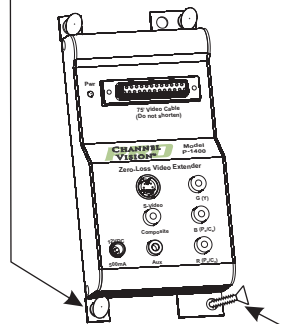
### Mounting in an enclosure:

*Just snap it in!*



### To mount on a flat surface:

Cut or remove the nylon snap pin.

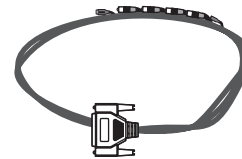


Install screws in empty holes.

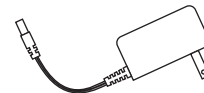
Note: The P-1400 should be mounted close to the video source equipment.

## What's included?

**The 25 meter pre-made cable ...** has been precisely constructed to match the pre-amplification provided by the P-1400. This cable must not be shortened or the benefits of the P-1400 will be negated.



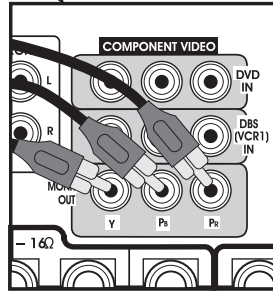
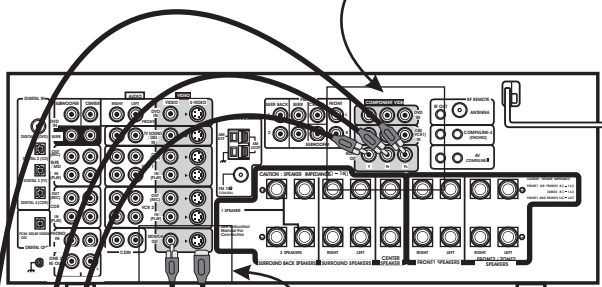
**12VDC 500mA ...** Power supply is included and required for proper operation.



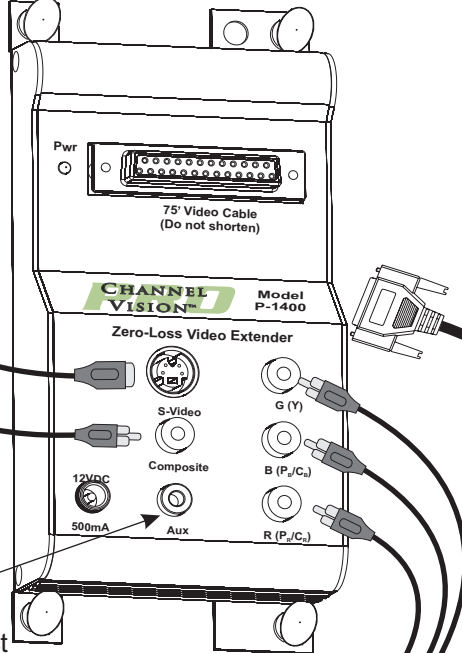
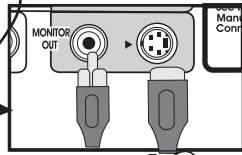
# Installation Diagram

Make all connections before applying power.

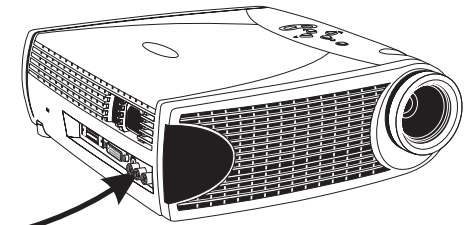
Typical A/V receiver rear panel



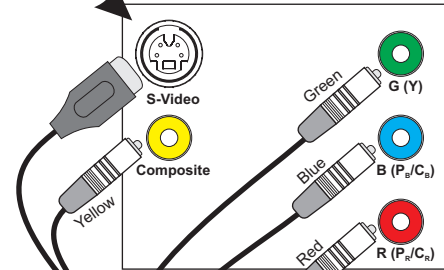
Use the 'Monitor outputs' from your A/V receiver to feed signals into the P-1400.



There is no active circuitry on the Aux input, making it perfect for use with IR or voltage control signals.



Typical projector or HDTV inputs



Use the Aux connector for IR, voltage control, or other signals.

25 meters long