

# APR474



## AUTOMATIC PICTURE REJUVENATOR

The APR474 is an adaptive picture rejuvenator for use in all CCTV video installations to improve the quality of your video images. It has the ability to extend the use of Coax Cable video runs up to 5000 feet without the need for equipment on the sending end. This single ended solution will automatically remove distortion and sharpen your video images from color and B/W cameras. It is especially useful in systems that switch cameras with different lengths of cable. Each card has four independent control systems to regulate four video channels.

This product will replace expensive fiber-optic equipment on short haul (1000 to 5000 foot runs) allowing you to use standard coaxial cable at a substantial dollar savings and it is less trouble because all the equipment is at the "head-end" DVR end of the system with no need for transmitters in the field.

The adaptive level control will watch over your video to prevent DVR overload that blanks out the video image, this occurs when the incoming video level exceeds the maximum level allowed by the DVR. Any low level signals caused by old or damaged cables will be automatically corrected and troublesome water soaked or leaky direct bury cables will have their pictures restored to original sharpness and level.

Coax cables degrade with time and are exposed to the elements that cause a slow but inevitable reduction of picture quality due to increasing cable loss. The picture rejuvenator will automatically correct the level and keep up with the loss over time.

Some of your customers require a second video output to drive the signal to another monitor or switcher in the system. The APR474 can be ordered with an optional secondary video D.A. output to drive another device.

The unit has two front panel LED's that indicate the video status of each channel. There is a green LED to indicate acquisition of video and a red LED to indicate over-level video. The output video level can be trimmed with the front panel control. You can use this control to match all the video levels in your system.

Each APR474 Circuit Card contains four Automatic Picture Rejuvenators. Nine circuit cards will fit into one RMS400 Main Frame. One Main Frame will handle 36 video channels in just 3 Rack Spaces.

## **VIDEO INPUT**

Standard  
Impedance  
Connectors

## **SPECIFICATION**

NTSC/CCIR B/W or Color  
75 Ohms, Unbalanced  
BNC (female)

## **PROCESSING**

Clamping  
Common Mode Suppression  
Output Level Control Trim  
Equalization Coax Model

Sync Tip  
50 dB  
Front Panel  
Automatic 0-5000 feet

## **VIDEO OUTPUT**

Level  
Impedance  
Connectors  
Dual Output  
Frequency Response  
Signal to Noise Ratio

1 Volt (140 I.R.E. Units)  
75 Ohms  
BNC (Female)  
(Order Optional add /D)  
Flat to 6 MHz  
70dB

## **MECHANICAL**

Size  
Video On Indicator  
Over Level Indicator  
Mounting  
Stand Alone Mounting  
Power

10.00" L x 4.80" W x 1.20" D  
Green "Video On" L.E.D.  
Red "Level" L.E.D.  
Slide-In PC Card (RMS400)  
Use (SAM400) one card Mount  
+/- 12 VDC (RMS400)