

Nortek

PICTURE-IN-PICTURE UNIT - PIP92



PICTURE SIMULATED



The low voltage Nortek Picture-in-Picture Unit will overlay a compressed image, with an aspect ratio of 4:3, in any one of four corners onto a full size video image, therefore allowing two colour (or monochrome) cameras to be recorded at once. With a combination of monochrome and colour cameras the picture-in-picture is always displayed in mono.

The unit has the ability to mix two real-time colour video images, no gen locking is required for this purpose. A video switcher may be connected to either video input allowing the operator to constantly monitor one camera whilst switching through the remaining cameras in the system. An alarm input is provided which, when activated, will cause the alarmed cameras to be presented as the main image.

User functions include the manual selection of either of the two video inputs as main picture, a latched switch for removal of the picture-in-picture and the positioning of the PIP in any of the four corners.

Settings within the unit allow the PIP92 to be unterminated, the size of the PIP (approx 1/3 x 1/3 or 1/4 x 1/4) a choice of four border colours and the default position of the PIP to any one of the four corners.

The PIP92 is presented in a robust desk top unit with BNC connections at the back of the unit and matches the Nortek range of video and matrix switchers.

- 4:3 ASPECT RATIO
- TWO PIP SIZES
- REAL-TIME COLOUR OR MONOCHROME
- NO EXTERNAL SYNCHRONISATION (GENLOCK) REQUIRED
- ALARM INPUTS
- ADJUSTABLE DISPLAY POSITION
- CHOICE OF 4 PIP BORDER COLOURS

SPECIFICATION

Video

- Camera Inputs: 2; internal jumpers facilitate removal of 75Ω terminators.
- Video Outputs: One
- Format: Composite video 75Ω 1V_{pk-pk}; PAL 625-line 50Hz.
- Connectors: BNC

Alarms

- Alarm Inputs: 2; contact types can be either N/O or N/C
- Function: Selects the main image source.

Inset

- Sizes: 2; both having aspect ratio of 4:3.
- Small: 1/4 x 1/4 approx.
- Large: 1/3 x 1/3 approx.
- Positions: 4 (each corner).
- Method: Scaled digital image; 7-bit; 50 fields/sec

Power

- Supply Requirements: 10V, 300mA
- Connector: D.C. Socket 2.1mm

Power Adapter

- Inputs: 230Vac +/- 10%, 50Hz.
- Output: 9Vdc @ 500mA, unregulated; class II

Dimensions (mm)

- L x W x H: 157 x 110 x 40

Boxed Weight

1kg with PSU
750g without PSU

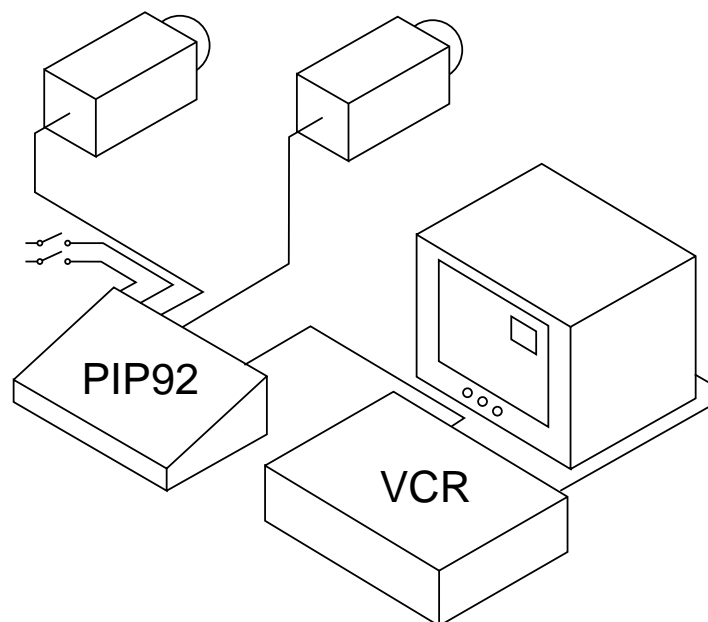


Diagram shows two cameras, with alarms, controlled by PIP92 which feeds two real-time colour video images into the VCR and monitor.