

# PXD510E



## APPLICATIONS

- Medical and Criminal Forensics
- Industrial Comparison, Monitoring and Quality Control
- Machine Tool Alignment
- Pathological and Oncological Medicine
- Video Conferencing
- Advanced Security
- Courtroom Systems
- Patient Interaction/Comparison
- Camera/Video Source Matching

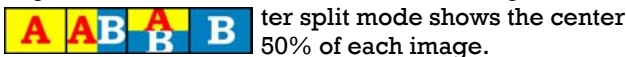
**GENLOCK CAMERAS NOT NEEDED:** In the past, generating a split screen display required one or both of the cameras to have genlock capability for proper synchronization. Adjustments could also be very complex. MicroImage Video Systems has greatly simplified this issue. The PXD510E internally synchronizes the cameras with advanced digital processing and full frame memories.

**ADVANCED SPLIT FUNCTIONS:** The screen can be split horizontally or vertically and adjusted over the entire screen area. The A and B image positions can be exchanged on screen for added flexibility.

**MORE THAN JUST A SPLITTER:** The fade and difference modes allow two images to be mixed together on top of each other. This aids in aligning and comparing two objects with great precision.

**FREEZE FUNCTION:** The B input image can be frozen in the internal memory. The PXD510E can remember the image as long as power is applied.

**CENTER SPLIT MODE:** Traditionally, a split screen shows the left side or top of one video image and the right side or bottom of the other video image. Our cen-



**DIVIDER LINE FEATURE:** We include a border/divider line at the split point to help distinguish one image from the other. The line may be turned off or set to one of eight colors in three line widths.

## FEATURES

- Does not require genlock cameras or video sources
- Use almost any NTSC or PAL video source including camcorders and consumer VCRs
- Includes two full frame time base correctors
- Digital Signal Processing (DSP) assures accurate and repeatable performance
- Composite and S-Video inputs and outputs
- Split Screen is fully adjustable horizontally or vertically
- Exchange function to swap the A and B split images
- Center split mode shows center of each image
- Fader mixes two images with adjustable fade
- Difference mode subtracts one input from the other
- Channel B can be frozen in the internal memory
- Optional divider line at split point in one of eight colors
- Either camera can be easily selected for full screen display
- RS-232 control port included
- Rack mount option available
- Can operate from +12VDC for mobile applications

**FLEXIBLE CONNECTIONS:** The PXD510E will operate with composite or S-Video inputs and both input channels can be different. Regardless of the input type, both composite and S-Video outputs are always available. NTSC and PAL Video are supported.

**EASY TO USE:** All common controls are located on the front panel and switching from a full camera image to split or fade mode is easy with the press of one button.

**RS232 CONTROL INCLUDED:** An RS-232 wired control connection is available for applications where the PXD510E must be computer controlled or remotely controlled. You can also query the unit to find the current settings.

**BOARD AND CUSTOM PRODUCTS:** MicroImage Video Systems offers many of its products, such as the PXD510E, as board level (i.e. BL-PXD510E-00) for OEM applications. We can create units with custom features as well as custom designed boards.

**MORE INFORMATION?** Additional product information, specifications, user manuals and application notes are available on our website, including the latest available features.



A INPUT, L/R SPLIT MODE, T/B SPLIT MODE, FADE MODE AND B INPUT

Advanced Split Screen and Fade Controller



A division of World Video Sales Company, Inc.

Prices and specifications are subject to change without notice

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