



#### APPLICATIONS

- Production Alignment
- Object Centering
- Distribution Analysis
- Accurate Camera Position Reference
- Go/no-go sizing

**UP TO FOUR PATTERNS:** The PG314 has the ability to hold up to four high resolution patterns in the internal memory. A front panel switch is provided to select each pattern for display.

**ROCK SOLID PATTERN POSITION:** All patterns are permanently positioned and will remain in the same location. Advanced phase locked loop techniques assure repeatability over time.

**FULL GRAY SHADES:** The pattern image can be set to any shade of gray from black to white by the front panel control. The image can also be turned off.

**PATTERN SELECTION MADE SIMPLE:** The PG314 uses four individual switches to select the desired pattern and another switch to select pattern off. This makes it very easy to use and change patterns or to quickly disable the pattern display.

**PROVIDING FILES TO US:** Most display files are customer designed but are factory processed and programmed by us. But files need to be sent to us in the proper formats. We can only use files that are uncompressed TIFF, BMP or GIF formats. All files must be done in two colors, no more. One color is the overlay data (usually black) and the other color is the background image. Resolution is exactly 640x480 for NTSC or 768x576 for PAL video. Half resolution modes are also available. Please contact us if you have any questions about this process. A file conversion fee applies.

#### FEATURES

- User supplied patterns
- 1 bit resolution, pixel is either on or off
- Medium or high resolution modes
- Switches to select pattern or turn the pattern display off
- Pattern Intensity can be varied linearly from black to white with front panel rotary control
- Current pattern selection stored in non-volatile memory when power is removed
- Composite and S-Video connections
- Available for NTSC or PAL video source
- Can be rack mounted with optional RK133 frame
- Can operate from +12VDC for mobile applications
- Includes 120V/230V universal desktop power supply
- Also available as board level
- Customized variations possible for OEM applications

**FLEXIBLE CONNECTIONS:** The PG314 is designed to operate with composite, S-Video or B&W video signals. The unit will automatically adjust to the correct input signal type. S-Video will provide a cleaner image over composite video.

**WORLD VIDEO STANDARDS** The model PG314N is available for NTSC/RS170 video systems and the model PG314P is available for PAL/CCIR video systems.

**EASY TO USE:** Connect the input, output and power connections. Turn the unit on and press a pattern button! In operation, you only need to select one of the four images and set the brightness.

**RACK MOUNTING:** Up to three PG314 units can be mounted in our 1U rack frame, part number RK133. Blank panels are available for unused positions if less than three units are required.

**BOARD AND CUSTOM PRODUCTS:** MicroImage Video Systems offers many of its products, such as the PG315, as board level product for OEM applications. We can create units with user defined features and custom designed boards. Also see the model PG311 datasheet for units with a single user defined (custom) patterns.

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



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Prices and specifications are subject to change without notice

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