Pluribus

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Pluribus, a project of HP Labs Palo Alto, combines the power of multiple inexpensive, commercially available projectors to quickly and automatically create a scalable "super-projector." These combined projectors provide capabilities such as high resolution, strong brightness, deep contrast, high frame rate and wide color range.

Pluribus is the only multi-projector system that automatically delivers vivid image quality, regardless of how the projectors are configured, and eliminates the costly, time-consuming manual setup and maintenance that other multi-projector systems require.

Pluribus could potentially impact a range of display markets, such as gaming, digital cinema, event projection, collaboration and visualization.

Customer benefits include:

- Pluribus provides a single solution to handle multiple projection image requirements, such as tiled, superimposed (with real-time super-resolution), and even novel hybrid configurations.

- Pluribus incorporates a number of projectors without tradeoffs in brightness, aspect ratio, resolution, and redundancy/fault tolerance.

- Pluribus provides fully automated and fast calibration, eliminating the need for costly and time-consuming manual setup and maintenance.

- Pluribus supports high-image quality for high-resolution content in real time, using commodity graphics hardware that keeps costs down.

- Pluribus produces superb image quality regardless of the number of projectors in the configuration.

Pluribus is a research prototype. More information is available at www.hpl.hp.com/research/pluribus.