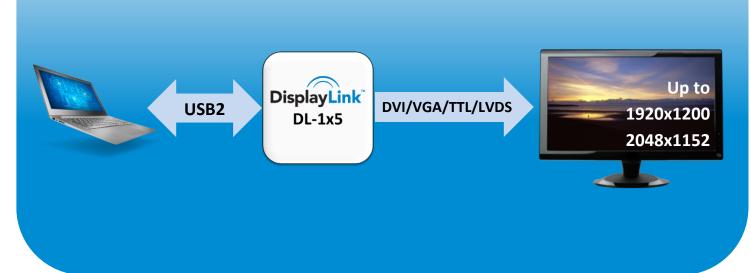
DisplayLink DL-1x5 Series High Performance USB Virtual Graphics



High Performance USB Virtual Graphics

DisplayLink USB virtual graphics technology is the industry-leading solution for easy display and docking station connectivity to notebooks, netbooks, and desktop PCs. The DisplayLink DL-1x5 Series of chips allows manufacturers of USB 2.0-based peripherals, monitors, and projectors to quickly and economically build a variety of innovative display products.

Chips and Software Features

- Highly integrated ICs include DVI, VGA, TTL and LVDS (FPI) outputs
- Dual-core decode design (DL-165/DL-195)
- DisplayLink DL2 video decompression engine
- Ultra low-power consumption compatible with USB buspowered designs

Output / Display Compatibility

- HDMI output, with integrated audio, available with external HDMI transmitter
- High-speed USB 2.0-compliant input and multiple video outputs
- Multiple video outputs including DVI (TDMS), analog DSUB (VGA)
- LVDS output for direct connection to an LCD panel
- Supports resolutions up to 2048 x 1152 including full HD (1080p)
- 12/24-bit RGB output (TTL) via external chips for connectivity to external HDMI devices
- Support for full-screen DVD video playback

Product Applications

DisplayLink

USB Graphics Adapters

Connect a TV or monitor to a PC without having to add an additional graphics card.

USB Monitors

Add monitors - including mobile monitors - without need for a discrete graphics card.

USB Docking Stations

Use a single USB connection to add peripherals to any notebook or netbook.

USB Projectors

Quickly set up and connect to a projector through USB or Wireless USB.

Embedded Designs

Embed graphical displays where previously it was impossible.

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DisplayLink Certified Plug and Display



DisplayLink Certified products are thoroughly tested in our labs to guarantee interoperability with the vast DisplayLink USB graphics ecosystem. Regular SW updates means a lifetime of performance updates. Look for the DisplayLink Certified Plug and Display Certified Logos.

DisplayLink Compression – DL2

DisplayLink's intelligent image processing algorithms, coupled with the high performance (DDR) memory interface and the DisplayLink DL2 adaptive compression scheme ensure a highly interactive, low latency user experience that is nearly indistinguishable from a traditional monitor connection. This allows smooth window and cursor movement as well as support for full-screen video playback.

Packaging

- 19 mm x 19 mm
- 276-ball PBGA, lead free (RoHS compliant and industry "Green" conformance)
- 1 mm ball pitch

Reference Design

• DisplayLink Supplies a complete set of schematics and PCB layout information along with firmware and OS drivers to complete a bus powered or mains powered monitor design

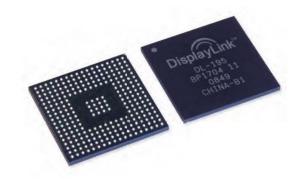


Microsoft[®] Windows™ Windows 10 Windows 8.1 Windows 7 Legacy Windows XP - Vista

Apple[®] Mac[®] OS OS X 10.8 onwards

Google Android™ v5.0 Lollipop onwards

Linux Ubuntu 14.10 onwards



Product Feature	DL-115	DL-125	DL-165	DL-195
Target products	Mini-monitors	Entry-level monitors & projectors	Entry-level docks, mainstream monitors & adapters	High-end monitors, docks & adapters
Maximum resolution	1024 x600	1280 x 1024 1440 x 900 (wide)	1600 x 1200 1920 x 1080 (wide)	1920 x1200 2048 x 1152 (wide)
ntegrated DVI (TDMS) and analog DAC		\checkmark	\checkmark	\checkmark
ntegrated USB 2.0	\checkmark	\checkmark	\checkmark	\checkmark
ual core decode engines			\checkmark	\checkmark
DisplayLink DL2 compression	\checkmark	\checkmark	\checkmark	\checkmark
ntegrated LVDS	\checkmark	\checkmark	\checkmark	\checkmark
Compatible with external DisplayPort and HDMI (12/24-bit RGB)		\checkmark	\checkmark	✓
32-bit True Color	\checkmark	\checkmark	\checkmark	\checkmark

DisplayLink reserves the right to make technical changes to its products as part of its development program, and features are subject to change without notice.

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