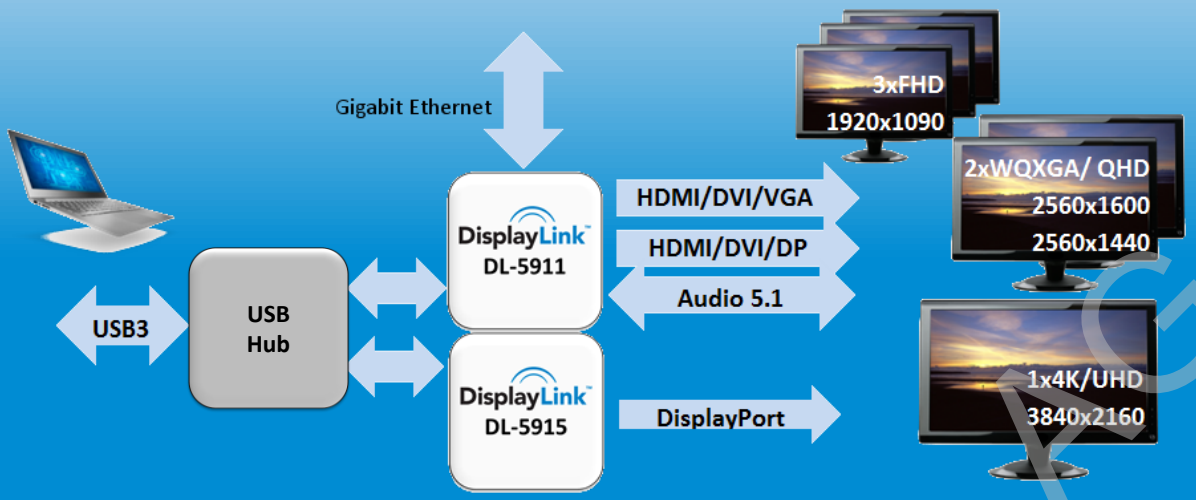
DisplayLink DL-5000 Series

4K/UHD/2K/HD Single & Multi-Head USB Docks



4K/UHD/2K/HD Single and Multi-Head USB Docks

From the world leader in USB graphics, DisplayLink introduces the new DL-5000 series, an SoC family created to extend the DisplayLink USB graphics adapters to 4K Ultra-High Definition monitors and displays. The DL-5000 series allow OEMs to offer support for ultra-high resolution 4K/UHD display technology. Based on the industry-leading DL3 codec the DL-5000 series offer the same benefits of low latency and high quality graphics, now for 4K.

Ideal for end customers wanting a 4K solution for conference room displays, digital signage, or to enable an existing PC or MAC to support the latest 4K monitors; all from a single USB connection.

Benefits

- Compatible with new USB Type-C or legacy USB connectors
- High quality with low latency
- 100% compatible with existing DL universal docking
- Can be used with other DisplayLink products to enable up to 6 USB displays
- USB bus power (no external power supply needed)

Features

- Up to 3840x2160 output
- Backward compatible with QHD and HD monitors
- DisplayPort 1.1a interface
- HDCP 2.0 for protected video playback
- Integrated DisplayPort Audio

Product Applications

USB3 to 4K Graphics
Desktop Productivity
Conference Rooms

USB3 Universal Docks
1x 4K Display or
1-2x 2K Display or
1-2x HD Display with 4K/UHD dock with built-in Gigabit Ethernet and Audio
From a Single USB Connection

Trademarks, Patents and licenses
DisplayLink™ is a trademark registered and owned by DisplayLink Corp. a US registered company.

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.

© 2015 DisplayLink Corporation. All Rights Reserved

Display Solution AG
European DL Design Center
www.display-solution.com
info@display-solution.com
Phone +49 (0)8105 73403-0

Display Solution AG

DisplayLink DL-5000 Series

4K/UHD/2K/HD Single & Multi-Head USB Docks

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.

Supported Platforms

Microsoft® Windows™
Windows 10
Windows 8, 8.1
Windows 7
Legacy Windows XP - Vista

Apple® Mac® OS
OSX 10.8 onwards

Google Android™
v5.0 Lollipop onwards

Linux
Ubuntu 14.10 onwards

DisplayLink Compression – DL3

- Ultra-Low latency
- Clear and crisp text and graphics
- Link aware-Adapts automatically to bandwidth constraints
- Compression tuned for video content and high quality graphics
- Uncompromised UHD video quality
- Compatible with HDCP 2.0 encryption

Packaging

- 17 mm x 17 mm
- 400 BGA, RoHS and industry Green conformance
- 0.8 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 USB3 to 4K/UHD Adapter

Feature/Product	DL-3500	DL-3700	DL-3900	DL-3950	DL-5500	DL-5700	DL-5900	DL-5910
Configuration*	0:1:1	0:1:1	0:1:2	0:2:2	1:1:1	1:1:1	1:1:2	1:2:3
3840x2160p30					1x	1x	1x	1x
2560x1600/1440	1x	1x	1x	2x	1x	1x	1x	2x
2048x1152p60	1x	1x	2x	2x	1x	1x	2x	3x
1920x1080p60	1x	1x	2x	2x	1x	1x	2x	3x
Dual Head			✓	✓			✓	✓
Single Head	✓	✓			✓	✓		
DP (external)	✓	✓	✓	✓	✓	✓	✓	✓
HDMI	✓	✓	✓	✓		✓	✓	✓
DVI	✓	✓	✓	✓		✓	✓	✓
VGA	✓	✓	✓	✓		✓	✓	✓
Gigabit Ethernet		✓	✓	✓		✓	✓	✓
Audio 5.1	✓	✓	✓	✓	✓	✓	✓	✓

DisplayLink Dock Products Selection Table

***Configuration: 4K:2K:1K head count**

Display Solution AG

© 2015 DisplayLink Corporation. All Rights Reserved

Display Solution AG
European DL Design Center
www.display-solution.com
info@display-solution.com
Phone +49 (0)8105 73403-0