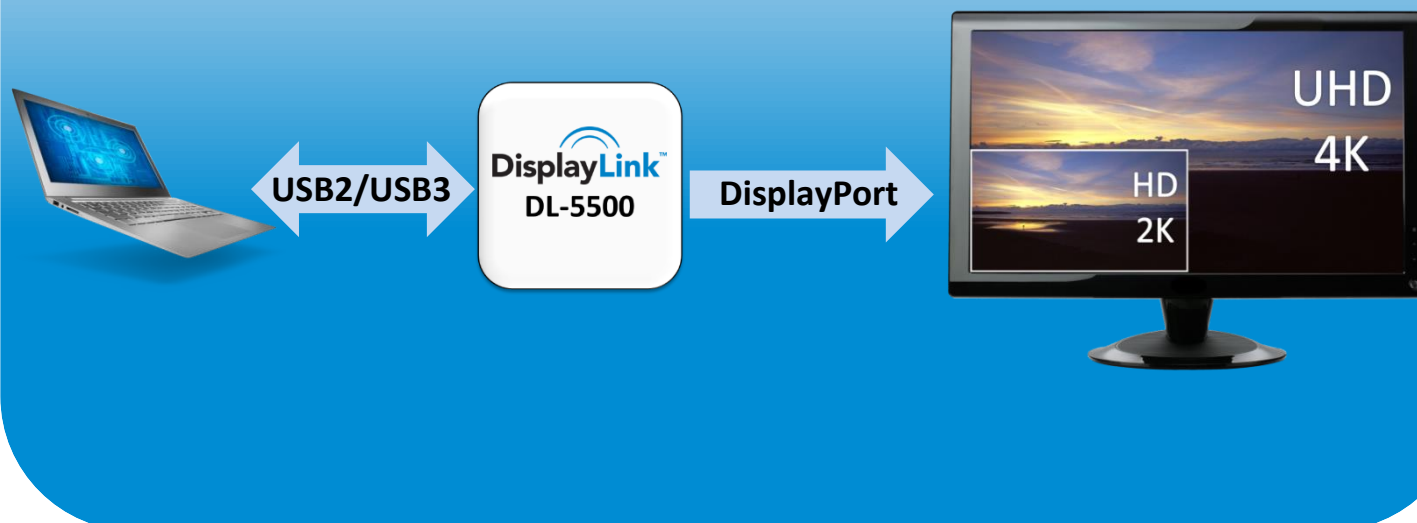


DisplayLink DL-5500 SoC

4K Ultra-High Definition USB-DisplayPort



4K Ultra-High Definition USB-DisplayPort Adapter

From the world leader in USB graphics, DisplayLink introduces the new DL-5500, an SoC solution created to extend the DisplayLink USB graphics adapters to 4K Ultra-High Definition monitors and displays. The DL-5500 allows OEMs to offer support for ultra-high resolution 4K/UHD display technology. Based on the industry-leading DL3 codec the DL-5500 offers 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.

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

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



Product Applications

USB3 to 4K Graphics
Desktop Productivity
Conference Rooms

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.

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4K Ultra-High Definition USB-DisplayPort



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 – 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

Supported Platforms

Microsoft® Windows™

- Windows 10
- Windows 8, 8.1
- Windows 7
- Legacy Windows XP - Vista

Apple® Mac® OS

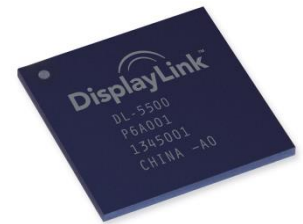
- OSX 10.8 onwards

Google Android™

- v5.0 Lollipop onwards

Linux

- Ubuntu 14.10 onwards



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	✓	✓	✓	✓	✓	✓	✓	✓



2160p



DisplayLink Dock Products Selection Table

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