



DVIGear Launches New DisplayPort Fiber Optic Cables

Cutting-Edge Optical Cables Extend 4K / 60Hz Resolution up to 40 Meters

Marietta, Georgia – October 21, 2015 – DVIGear, a leading manufacturer of digital connectivity products, has introduced an innovative new line of [DisplayPort v1.2 Fiber Optic Cables](#). Capable of extending DisplayPort signals with resolutions up to 4K / 60Hz (4:4:4) at lengths up to 40 meters (130 ft.), DVIGear's DVI-26xx-FO Series cables are a powerful solution for a growing number of advanced display applications.

Transmitting True 4K / 60Hz Over Long Distances

Designed to overcome the limitations of sending digital DisplayPort signals over copper wires, DVIGear's fiber optic cables provide unmatched signal fidelity and transparency at resolutions up to 4096x2160 @ 60Hz with lengths up to 40 meters (130 ft.). These cables utilize high-speed electro-optical converters integrated within the cable. The transmitter module converts the electrical signals from a DisplayPort source device to optical pulses that are transported over the fiber optic cable to the receiver. The receiver module converts the optical pulses back to the original DisplayPort signal for display on a monitor or large screen projector.

DVIGear's [DisplayPort v1.2 Fiber Optic Cables](#) are designed for use in mission critical applications where image quality and dependability are paramount. The video signals are transmitted over four optical fibers, which make them immune to interference from environmental noise sources. The optical transmission path provides a very low RFI / EMI profile, which allows the cables to be installed in sensitive applications with strict security requirements. These cables draw power from the connected DisplayPort source, which eliminates the need for an external power supply. These features make these cables ideally suited for critical display applications that require long DisplayPort cable runs with ultra-high resolution and flawless image quality. These cables are available in a range of standard lengths up to 40 meters and are shipping now.

An Expanding Line of DisplayPort Transportation Solutions

For cable lengths of 15 meters (~ 50 ft.) and under, integrators and system designers may turn to DVIGear's existing line of [DisplayPort High Resolution™ Copper Cables](#). These cables are designed to transport high speed digital DisplayPort v1.2 signals with resolutions up to 4K / 60Hz and bit rates up to 21.6 Gbps. over long distances while maintaining pristine signal integrity. These cables are constructed using heavy gauge 24AWG copper wires that provide superior ruggedness and durability. The heavier wire gauge has increased cross-sectional cable area and decreased cable capacitance, which allows signals with higher data rates to pass with minimal jitter. DVIGear's DisplayPort HR™ Series Copper Cables are available in standard lengths up to 15 meters (~ 50 ft.) and are available now.

About DVIGear

Founded in 1999, DVIGear (www.dvigear.com) is a leading supplier of Digital Connectivity Solutions for a wide range of professional display applications. Located in Marietta, Georgia, DVIGear offers an extensive portfolio of high performance digital video distribution products including: AV Distribution Over 10GbE, Digital Matrix Routing Switchers, Splitters, Extenders, Converters, Scalars, as well as long-length copper and optical cables.