

DVIGear HyperLight® Series // DisplayPort Active Optical Cables

DVIGear's HyperLight® Series is a new generation of advanced Active Optical Cables (AOC) that employs cutting edge technology to deliver unprecedented resolution, performance and value.

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The DVI-26xxx-AOC Series supports DisplayPort 1.4, providing a wide range of resolutions and features in a lightweight form-factor. Attractively priced, they are fully HDCP 1.4 / 2.2 compliant. They transport signals with data rates up to 32.4 Gbps. (HBR3) and support bidirectional communication over AUX channels for EDID, HDCP, and Link Training. HyperLight cables support very high resolution applications at 4K / 60Hz (4:4:4) with cable lengths from 3 to 100 meters, and 8K / 30Hz (4:4:4) at lengths up to 50 meters.

HyperLight cables are plenum-rated (UL CMP-OF). Constructed using a hybrid design of four POF (Polyfluorinated Optical Fiber) and six copper wires, they are rugged, yet lightweight, compact and highly flexible, with a minimum bend radius of just two millimeters. Each cable has two detachable DisplayPort docking connectors that, once removed, reveal connector cross-sections that measure just 10 by 12.4 millimeters. The docking connectors include a locking pin for added security. Professional integrators will appreciate the ease of installation in narrow conduits as well as in plenum spaces. HyperLight cables utilize an advanced low-power design that draws power from the connected DisplayPort source, completely eliminating the need for an external power supply.

These cables are designed for use in mission-critical applications where image quality and dependability are paramount. The video signals are transmitted over the four optical fibers, making them immune to interference from environmental noise. 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. DVIGear's HyperLight AOC cables are ideally suited for all applications that require ultra-high resolution DisplayPort signals to be extended over long cable runs with flawless image quality.

- * Lightweight, compact, flexible, Plenum-rated Active Optical Cables (AOC)
- * Effortless plug & play technology, supports DisplayPort versions 1.0 - 1.4, as well as HDCP 1.4 / 2.2
- * Supports data rates up to 8.1 Gbps/lane or 32.4 Gbps total
- * Extend resolutions up to 8K / 30 Hz up to 164 ft. (50 meters); up to 4K / 60Hz up to 328 ft. (100 meters)
- * Detachable DisplayPort docking connectors can be secured with locking pin
- * Powered by the DisplayPort source; no power adapter needed
- * Supports bidirectional communications over AUX channel for EDID, HDCP, Link Training, etc.
- * Low RFI / EMI profile for sensitive applications
- * Custom cable lengths available on request

**HYPERLIGHT®**



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