

DLI Fiber Optic Audio/Video Matrix

The NeoStar fiber optic matrix is an innovative distribution system for all of your digital video and audio needs. DLI (Digital Light Interface) is the new standard digital video interface that addresses all the lessons learned from previous digital video over copper wires. Combined with new easy to use fiber cables and termination kits, it is now possible to distribute digital media and control signals without having to worry about physical limitations. The NeoStar features 1080p60Hz performance with zero compression or processing delay.



The NeoStar plays well with third party control systems, offering IP, RS232, and IR inputs for ease of implementation.

The NeoStar is used in combination with the LightSpider TX and RX units to provide a conversion of HDMI with HDCP (DVI, VGA, Component coming soon). This allows the flexibility using mixed types of sources placed anywhere in the facility. As digital video interfaces change in the future, new LightSpiders will become available to interface into the NeoStar.



Features and Benefits

- **14 source inputs** (8 fiber video+audio, plus 6 SPDIF audio only)
- **12 zone outputs** (8 fiber video+audio, plus 4 SPDIF audio only)
- **Up to 1,000 feet @ 1080p 60Hz** on all inputs and outputs without any concern of signal degradation, HDCP dropouts and errors, ground loops, interference or video 'sparkles'.
- **Full EDID management** - EDID display information is managed by the integrator to ensure the source devices operate in the desired audio and video mode.
- **RS232 and IR gateway** to all sources and displays. Reach out from the NeoStar to each LightSpider and send and receive IR and RS232 control signals.
- **Industry standard LC fiber connector.** Use with off the shelf premade fibers, or prewire and terminate in the field.

Specifications

- Input Voltage: 90-240VAC 50-60Hz, 80W estimated
- Dimensions: W: 17", H: 2RU/3.5", D 13"
- Weight: 13 lbs estimated
- Digital audio modes over the HDMI port: PCM, LPCM, DD 5.1, DTS, up to 7.1 channels LPCM audio
- Video modes: 480p to 1080p 50/60Hz HDTV, up to 1920x1200 60Hz PC/DVI video
- RS232 serial: 300 to 115.2K baud
- Fiber spec: LC to LC multimode 'simplex' cable; recommend 62.5/125 micron, but 50/125 micron can also be used.



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