

Fiber Optic Extender Solutions



Fiber optic cable is the most technically reliable and predictable transmission medium available for any AV application. Historical impressions of high prices and termination difficulties linger, but they are fading rapidly into the past. The fiber optic accessories supplied by RTcom allow for confident installation of displays at great distances from sources. HDMI with 1080p resolution can be extended more than 1600 feet, while DVI can be sent even further. This can now be accomplished with a price and installation time that competes favorably with traditional RGB or component installations.

Fiber cable can now be terminated reliably in less than one minute per connector, or pre-terminated cables can simply be purchased with connectors small enough to be pulled through standard conduits. RTcom's technology for handling HDCP and EDID information allows for error-free installation and performance at a budget that customers can easily justify.



Dual Link DVI



DVI



HDMI



Fiber Optic Extenders

	OBCA-BOX (DVI)	OBDC-BOX (Dual Link DVI)	OBHD-BOX (HDMI 1.3)
Bandwidth	25-165MHz	25-330 MHz(Dual link)	25-225MHz
Resolution	1080p @ 60Hz, 1920x1200	Up to (2560* 1600)@60Hz, 480p,720p,1080i and 1080p	1080p @ 60Hz, 1920x1200
Input/Output	DVI-D, SPDIF Digital Audio RCA Coaxial	DVI-D Dual Link	HDMI type A female
Fiber Medium	Fiber optic cables with 4 simplex or 2 duplex LC	Fiber optic cables with 8 simplex LC Connectors	Fiber optic cables with 4 simplex or 2 duplex LC
HDCP Compliant	YES	YES	YES
EDID	Internal and managed recordable EDID	Real-time DDC via CAT 5	Internal and managed recordable EDID
Separate DDC	NA	CAT 5	NA
Signal Type	TMDS	TMDS	TMDS
Optical Source	850nm Vcsel	850nm Vcsel	850nm Vcsel
Cable Type	Type:50/125 or 62.5/125 LC Multi-mode Fiber	Type:50/125 or 62.5/125 LC Multi-mode Fiber	Type:50/125 or 62.5/125 LC Multi-mode Fiber
Distance	1640 ft (500 meters)	328 Ft (100 meters)	1640 ft (500 meters)
Dimensions	132mm (5.2in) / 106mm (4.17in) / 30mm (1.8in) (W/D/H)	108mm / 80mm / 26mm (W/D/H)	132mm (5.2in) / 106mm (4.17in) / 30mm (1.8in) (W/D/H)
Weight	0.40 Kg (0.9 lb) each Tx / Rx	0.46 Kg (1 lb) each Tx / Rx	0.40 Kg (0.9 lb) each Tx / Rx



OBCA-BOX (DVI)



OBDC-BOX (DVI Dual Link)



OBHD-BOX (HDMI)



RTcom USA