

ct•fiber optic hdmi

detachable keystone connector

home • conference room • classroom

Celerity Technology - Long Distance HDMI

Celerity Detachable Fiber Optic HDMI Keystone wall plates provide a clean, architectural finish for long distance, in-wall fiber optic HDMI runs. Ideally suited for home audio-video components, conference rooms and classrooms, wherever an HDMI connection is needed, Celerity Fiber Optic cables provide the bandwidth needed for sending high definition video at lengths up to 1000 feet. Supporting 4K signals up to 60Hz and 18Gbps, Celerity Fiber Optic cables are plenum rated and are EMI free allowing installation flexibility. No time-consuming fiber terminations are required as Celerity Fiber Optic cables are terminated with a small module that plugs directly into the keystone connectors.



Engineered for installers - 2 Steps to Fiber Optic HDMI

Celerity Fiber Optic HDMI Keystone supports keystone-format transmitting and receiving connectors that securely snap into keystone port wall plates.

Celerity Fiber Optic HDMI Keystone installation is simple - pre-wire the fiber optic cable from the source to display locations and plug the fiber optic cable into the keystone connector in the wall plate.

Specifications

Distance	up to 1,000 feet
Data rate	18 Gbps*
Resolutions	up to 4K@60Hz
Supported features	HDMI High Speed HDCP v2.2 EDID CEC HDR Deep Color
Cable jacket	Plenum rated
Fiber optic cable pull strength	60 pounds
Mounting depth	1.52" / 38.5mm

Available lengths

10.6m	35f	30.4m	100f
12.2m	40f	48.7m	160f
15.2m	50f	60.9m	200f
18.2m	60f	152.4m	500f
24.3m	80f	304.8m	1000f

Custom lengths

Available in 50' (15.2m) increments from 250' to 950' (76.2m to 290m)

*Celerity DFO-Keystone connectors and fiber optic cable support 18 Gbps. Addition of copper HDMI cables at TX and RX ends may cause signal loss. Requires additional HDMI+USB 5V Power Cable available in 3' or 6' length (CTK-03-5V, CTK-06-5V). All source and display components and additional HDMI cables must also support 18 Gbps.

CTK Premium High Speed HDMI with Ethernet Cables

Celerity offers an optional 3ft and 6ft HDMI extension cable for best compatibility for use between the source (Blu-ray, DVR, Game, Computer) and the transmitting keystone wall plate. CTK-03 and CTK-06 cables support 4K signals up to 60Hz and 18 Gbps.

At the receiving keystone wall plate, an HDMI cable with 5V USB power injection is required. Celerity offers installers a choice of 3ft or 6ft HDMI+USB 5V power cables for this requirement. Simply connect HDMI from the keystone wall plate to the display and connect the USB power cable to a powered USB 5V port on the display.



CTK-03 or CTK-06



CTK-03-5V or CTK-06-5V

Technical Note

Celerity Technologies Fiber Optic Plug terminating each end of the Celerity Fiber Optic HDMI cable supports proprietary technology for HDMI over Celerity Fiber Optic cable. The Celerity fiber optic plug supports only proprietary Celerity technology and is connected to the Celerity Fiber Optic HDMI keystone according to the user guide.

