

Kaleidescape HDMI Cable Recommendations

Kaleidescape Strato Movie Players generate 18 Gbps HDMI signals, which is necessary to support the highest quality 4K movies with 10-bit color at 60 frames per second. Carrying an 18 Gbps HDMI signal reliably requires a high-quality cable. This guide provides recommendations for choosing an HDMI cable for a robust and reliable HDMI connection.

For shorter connections Kaleidescape recommends passive cables that meet the following specifications:

- ▶ HDMI High-Speed cable tested to at least 20 Gbps
- ▶ Double Shielded
- ▶ AWG number for the conductors of 26, 24, 22, or lower

Our testing has shown that passive cables meeting these specifications with lengths up to 15 feet generally work well with Strato. This includes cables that carry Premium HDMI Cable Certification, and cables that have been given 4K-18G-DC certification by DPL Labs (see dpllabs.com). For cables longer than 15 feet, it may be necessary to use an active cable (including fiber optic cables) or an extender system. However, our testing has also shown that many active cables and extenders have been unable to reliably support 18 Gbps signals from Strato in all situations, despite how they are labeled.

An unreliable HDMI cable can lead to several types of connection problems as the bandwidth requirements increase. The symptoms include:

- ▶ “No Signal” message shown by the display device, or a blank screen
- ▶ Periodic loss of A/V signal (e.g. flashing screen)
- ▶ Small dispersed sparkles showing randomly on the screen (especially visible on a dark background)
- ▶ Dense sparkles looking like snow or static
- ▶ Red screen indicating problems with content protection

There are many HDMI cabling solutions available and while we do not attempt to test all of them, we do make an effort to test and select solutions that meet all of our requirements to deliver the highest quality A/V experience. The tables below list the cables and cable/HDMI extender combinations that have proven to be the most reliable, out of an extensive set of cables that we have tested.

We test new HDMI cabling solutions as they become available to us, and we’ll update this document as we find new solutions to recommend.

Recommended HDMI Cables

Unassisted Cables

The following cables have proven to be robust and reliable with Kaleidescape Strato Movie Players, based on the testing performed in our engineering labs.

Brand	Model/Description	Length	
		Feet	Meters
PixelGen Design	PXLGLASS Max 4K Hybrid Interconnect	100	30
Monoprice	DynamicView Active High Speed HDMI 30AVG	25	8
RuiPro	Ultra-Slim HDMI Active Optical	33	10
RuiPro	Ultra-Slim HDMI Active Optical	50	15
RuiPro	Ultra-Slim HDMI Active Optical	100	30
Tributaries	UHDO-300	100	30

Cables Requiring HDMI Extender

The following cables have also proven to be robust and reliable with Kaleidescape Strato Movie Players when paired with the given HDMI Extender device, based on the testing performed in our engineering labs.

Brand	Model/Description	Extender	Length	
			Feet	Meters
PixelGen Design	MAX 4K Interconn	PixelGen PXLDrive	65	20
Monoprice	DynamicView Active High Speed HDMI 24AVG	Kramer PT-3H2	50	15
Kramer	CP-AOCH/60-98	Kramer PT-3H2	100	30