



Blackbird™

4K60 Video Extender with HDMI® Over Coaxial Cable

Extend 4K HDMI Video and IR Signals Up to 100 Meters Over 75-Ohm Coaxial Cable

Take your home theater or professional AV setup to the next level with the Blackbird™ by Monoprice™ 4K60 Video Extender. Engineered for ultimate performance, this powerful device transmits stunning HDMI video and crystal-clear audio over distances up to 328 feet (100 meters) using a single RG-6 coaxial cable. This means you can often utilize pre-existing coaxial infrastructure in homes or commercial spaces, simplifying installation and reducing the need for costly new wiring. No more compromises—enjoy the full brilliance of 4K resolution at 60Hz (4:4:4), accompanied by immersive audio up to 5.1 channels, with support for Dolby Digital® and DTS® formats.

Designed with versatility and ease-of-use in mind, the Blackbird™ 4K60 Video Extender offers advanced audio embedding and de-embedding, so you can tailor your audio experience to any environment. Whether you're integrating with a control system using bi-directional IR pass-through or taking advantage of sophisticated EDID® management for seamless device compatibility, installation and operation are effortless. The wall-mountable metal enclosure adds durability and a polished, professional finish to any installation.

Enjoy future-ready capabilities including HDR, HDR10+, Dolby Vision™, HLG, and full HDCP™ 2.2 compliance. With flexible control options, a complete set of included accessories, and reliable long-distance transmission, the Blackbird™ by Monoprice™ 4K60 Video Extender redefines AV distribution. Experience robust performance, exceptional clarity, and effortless installation—your signal, delivered perfectly every time.

- Transmits HDMI video and audio signals up to 328ft (100m) via a single RG-6 coaxial cable, supporting true 4K@60Hz (4:4:4) resolution
- Advanced HDR support, including HDR, HDR10+, Dolby Vision, and HLG for exceptional image quality
- Bi-directional IR pass-through enables remote device control over the same coaxial cable
- Audio embedding and de-embedding allows flexible routing of analog and HDMI audio sources
- Supports up to 5.1-channel audio formats, including Dolby Digital and DTS
- Comprehensive EDID management for seamless device compatibility and easy setup
- HDCP 2.2 compliance ensures secure 4K content transmission
- Durable, wall-mountable metal enclosure designed for professional and reliable installation



TRUE 4K ULTRA HD TRANSMISSION

Experience uncompromised video quality with support for 4K@60Hz (4:4:4), delivering stunning visuals over distances up to 328 feet (100 meters) using a single RG-6 coaxial cable.



ADVANCED AUDIO OPTIONS

Enjoy flexible audio embedding and de-embedding, supporting up to 5.1-channel surround sound including Dolby Digital and DTS, for an immersive listening experience tailored to any environment.



BI-DIRECTIONAL IR PASS-THROUGH

Control your devices remotely without extra cables, thanks to built-in bi-directional IR pass-through that works up to 328 feet, integrating seamlessly with control systems.

Full Specs

		Spec Type	Spec Value	
Video Input	P/N		47749 Receiver	47749 Transmitter
	Interfaces	N/A		1x HDMI Type A Female
	Max. Distance	N/A		3 meters
Video Output	Interfaces		1x HDMI Type A Female	N/A
	Max. Distance		3 meters	N/A
Video	Max. Data Rate		18 Gbps	18 Gbps
	HDR		HDR, HDR10+, Dolby Vision, HLG	HDR, HDR10+, Dolby Vision, HLG
	Color Space		RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
	Color Depth		8/10/12-bit	8/10/12-bit
	Max. Resolution		3840 × 2160 @ 60 Hz (4:4:4)	3840 × 2160 @ 60 Hz (4:4:4)
	Max. Resolutions / Distance		Up to 100 m @ 4K	Up to 100 m @ 4K
Audio	Input		N/A	1x HDMI Type A Female
	Output		1x HDMI Type A Female	N/A
	HDMI Audio Formats		LPCM 2ch, Digital 2ch, Dolby Digital 5.1ch, DTS 2ch, DTS 5.1ch, DTS 96/24 5.1ch	LPCM 2ch, Digital 2ch, Dolby Digital 5.1ch, DTS 2ch, DTS 5.1ch, DTS 96/24 5.1ch
Connectors	Unit To Unit		1x Coax In BNC Female	1x Coax Out BNC Female
	Power		1x DC Jack	1x DC Jack
	IR		1x 3.5 mm Female (IR input) 1x 3.5 mm Female (IR output)	1x 3.5 mm Female (IR input) 1x 3.5 mm Female (IR output)
Power Consumption			DC 12 V: 6.72 W (Max)	DC 12 V: 7.92 W (Max)
Environmental	Operating Temperature		32~104 °F / 0~40 °C	32~104 °F / 0~40 °C
	Storage Temperature		-4~140 °F / -20~60 °C	-4~140 °F / -20~60 °C
	Humidity		20 - 90% RH, Non-Condensing	20 - 90% RH, Non-Condensing
Physical Properties	Housing		Metal	Metal
	Weight		10.2 oz (288 g)	10.2 oz (288 g)
	Dimensions (L x W x H)		5.7" x 3.1" x 0.9" (144 x 78 x 23 mm)	5.7" x 3.1" x 0.9" (144 x 78 x 23 mm)
	Packaging Method		Corrugated Box	



PACKAGE CONTENTS

- 1x Video Extender with HDMI over Coaxial Cable (Transmitter)
- 1x Video Extender with HDMI over Coaxial Cable (Receiver)
- 1x IR Emitter Cable (4.9 ft / 1.5 m)
- 1x IR Receiver Cable (4.9 ft / 1.5 m)
- 4x Mounting Ears
- 8x Machine Screws
- 2x 12 V / 1 A Locking Power Adapters
- 1x User Manual