CATX VIDEO SPLITTER 1X4

BLACK BOX

OVERVIEW
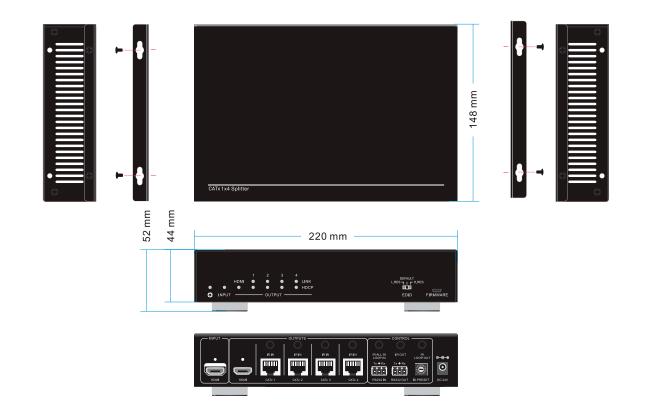
INTRODUCTION

The CATx Video Splitter, 1 x 4, 4K UHD, Smart EDID accepts a single HDMI input and splits it into four CATx outputs. The splitter is designed with an HDMI loop out, which is intended to cascade to additional units. It supports video resolutions up to 4K @ 60 Hz and all HDMI audio formats. It can extend 1080p signals on each output to a distance up to 229 feet (70 meters) and 4K signals to a distance up to 131 feet (40 meters) over a single CATx Ethernet cable. It supports the Power over CATx (PoC) feature, which allows the compatible receivers to be powered from the splitter over the Ethernet cables. It also supports bidirectional IR and RS-232 pass-through and loop output.

FEATURES

- **SPLITS A SINGLE HDMI INPUT TO FOUR CATX OUTPUTS AND ONE HDMI LOOP OUTPUT**
- **SUPPORTS VIDEO RESOLUTIONS UP TO 4K @ 60 HZ 4:2:0**
- **EXTENDS 1080P SIGNALS ON EACH OUTPUT TO A DISTANCE UP TO 229 FEET (70 METERS) AND 4K SIGNALS TO A DISTANCE UP TO 131 FEET (40 METERS) OVER A CATX ETHERNET CABLE**
- **SUPPORTS THE POWER OVER CATX (POC) FEATURE, ALLOWING THE COMPATIBLE CATX RECEIVERS TO BE POWERED BY THE SPLITTER OVER THE ETHERNET CABLES**
- **SUPPORTS BIDIRECTIONAL IR AND RS-232 PASS-THROUGH AND LOOP OUT**
- **SMART EDID MANAGEMENT. FEATURES DIP SWITCH TO SELECT THE OUTPUT RESOLUTION TO MATCH THE CONNECTED DISPLAYS**
- **FULLY COMPLIANT WITH THE HDMI 1.4 SPECIFICATION**
- **SUPPORTS HDCP PASS-THROUGH MANAGEMENT**
- **SUPPORTS FIRMWARE UPDATE**
- **INTUITIVE INDICATOR FOR CONNECTION STATUS**

DIMENSIONAL DIAGRAM

1.877.877.2269   BLACKBOX.COM

SPECIFICATIONS

CATX VIDEO SPLITTER 1X4 (VS-HDB-1X4)

FRONT VIEW

VS-HDB-1X4

BACK VIEW

VS-HDB-1X4

WHAT'S INCLUDED WITH THE SPLITTER

- **(1) CATX VIDEO SPLITTER, 1 X 4, 4K UHD, SMART EDID**
- **(2) MOUNTING EARS WITH (4) SCREWS**
- **(4) CIRCULAR PLASTIC CUSHIONS**
- **(1) 3-PIN TO 3-PIN RS-232 CABLE (FOR RS-232 LOOP OUT CASCADING)**
- **(1) 3-PIN TO DB9 RS-232 CABLE**
- **(1) 3.5-MM AUDIO CABLE (FOR IR LOOP OUT CASCADING)**
- **(4) IR RECEIVERS**
- **(1) IR EMITTER**
- **(1) POWER ADAPTER (24 VDC, 2.71 A)**

CATX VIDEO SPLITTER, 1X4, 4K UHD, SMART EDID (VS-HDB-1X4)	
VIDEO INPUT	
INPUT	(1) HDMI
INPUT CONNECTOR	(1) HDMI Type A female
HDMI INPUT RESOLUTION	Up to 4K x 2K @ 60 Hz 4:2:0
VIDEO OUTPUT	
OUTPUT	(1) HDMI, (4) CATx
OUTPUT CONNECTOR	(1) HDMI Type A female, (4) RJ-45
OUTPUT VIDEO SIGNAL	HDMI, CATx
HDMI OUTPUT RESOLUTION	Up to 4K x 2K @ 60 Hz 4:2:0
CATX OUTPUT RESOLUTION	Up to 4K x 2K @ 60 Hz 4:2:0
CONTROL	
CONTROL PORT	(1) EDID, (1) ID PRESET, (1) IR ALL IN/LOOP IN, (1) IR OUT, (1) IR LOOP OUT, (1) RS-232 IN, (1) RS-232 OUT
CONTROL CONNECTOR	(1) 3-pin DIP switch, (1) DIP switch, (3) 3.5-mm mini jacks, (2) 3-pin Phoenix connectors
POWER	
AC ADAPTER INPUT POWER	100 to 240 VAC, 50/60 Hz
INPUT POWER	24 VDC, 2.71 A
POWER CONSUMPTION	45 W (max.)
GENERAL	
HDMI STANDARD	HDMI 1.4 with HDCP 2.2
TRANSMISSION MODE	CATx
TRANSMISSION DISTANCE	1080p < or = 229 feet (70 meters); 4K < or = 131 feet (40 meters)
OPERATING TEMPERATURE	14 to 131° F (-10 to 55° C)
STORAGE TEMPERATURE	-13 to +158° F (-25 to +70° C)
HUMIDITY	10 to 90% relative humidity
DIMENSIONS	1.7" H x 8.7" W x 5.8" D (4.4 x 22 x 14.8 cm)
WEIGHT	1.6 lb. (0.7 kg)

ORDERING INFORMATION

ITEM	CODE
CATx Video Splitter, 1x4, 4K UHD, Smart EDID	**VS-HDB-1X4**

ABOUT BLACK BOX
Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.

NOTES

1.877.877.2269   BLACKBOX.COM