



# Pro AV/IT 4K UHD HDMI to HDBaseT™ 1x4 Distribution Amplifier up to 492ft

## High Performance and Reliable HDBaseT™ Distribution

The CDA-CAT14018G is an 18Gbps HDMI 1x4 HDBaseT™ Distribution Splitter that can distribute one source signal to any 4 display devices. The HDMI signal transmission distance can be extended up to 393ft/120m at the resolution of 4K2K@60Hz or up to 492ft/150m at 1080P@60Hz via a single CAT6/6a/7 cable. The CDA-CAT14018G supports up to 7.1CH HD audio pass-through, audio extract function and advanced EDID management.

## 4K HDR Distribution

The CDA-CAT14018G features multi-zone transmission of 4K HDR-10 high-bandwidth content, native and uncompressed over long distances up to 393ft/120m from source device.

## Smart EDID

The Comprehensive CDA-CAT14018G supports dynamic EDID management that removes conflict when mixing 1080p and 4K displays, always selecting the best possible content from a source, depending on the screens that want to access it.

## Mirrored HDMI Output for Daisy-Chaining

In addition to the HDBaseT™ output ports the Comprehensive CDA-CAT14018G also features an HDMI output port which mirror HDBaseT™ output ports which can be used to daisy-chain as many CDA-CAT14018G's as needed to for larger AV distribution applications.

## Convenient PoH Connectivity

On any project, installing the receiver is half the battle. The other half can be finding and discreetly hiding pesky power supplies. However, with integrated PoH, receiver placement will have one less thing to worry about. Power is received from the distribution amplifier, making installations neat, quick and easy as possible.

## De-Embedded Audio

With audio functionality to match its video capability, the CDA-CAT14018G has the ability to extract the audio signals from a source device or from an output following the zone. Having digital L/R Stereo audio out connectivity means having the flexibility to send and de-embed audio at multiple end-points.

## Quality You Can Count On

Since 1974, Comprehensive has been manufacturing the highest quality commercial grade solutions for AV and IT professionals. This product continues that tradition with high end materials, components and quality control to ensure years of worry-free use. All components are backed by Comprehensive's 3 Year Warranty, so you can be assured of guaranteed reliability.

## Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Supports 18Gbps video bandwidth
- Supports video resolution up to 4K2K@60Hz 4:4:4
- Supports HDR, HDR10+, HLG and Dolby vision
- Supports up to 7.1CH HD audio pass-through
- Support digital and analog audio de-embedded output
- Extend the signal transmission distance up to 393ft/120m at the resolution of 4K2K@60Hz, 492ft/150m at 1080P@60Hz via a single CAT6/6a/7 cable
- Supports 1 HDMI input, 1 HDMI loop output and 4 HDBaseT™ outputs
- IR, RS-232 routed to HDBaseT™ output
- Advanced EDID management
- Supports one-way POC function (only from transmitter to receiver)
- Compact design for easy and flexible installation
- Durable metal construction
- 3 Year Warranty



**CDA-CAT14018G**



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## Applications

- Residential
- Corporate
- Venues
- RTOC
- Education
- Government
- Hospitality
- Retail

## Specifications

### I/O Connections

#### Input

1xHDMI Type A (19-pin female)

#### Output

1xHDMI Type A (19-pin female)

4x HDBaseT OUT (RJ45)

1x Coaxial Audio OUT (RCA)

1x L/R Audio OUT (5-pin phoenix connector)

#### Control

1xRS-232 (3-pin phoenix connector)

1x EDID DIP switch (5-pin)

1x IR IN (3.5mm Stereo Mini-jack)

1x IR OUT (3.5mm Stereo Mini-jack)

### Technical

HDMI Compliance: HDMI 2.0b

HDCP Compliance: HDCP 2.2/1.x

Video Bandwidth: 594MHz/18Gbps

Video Resolution: Up to 4k2k@60Hz 4:4:4

Color Depth: 8-bit,10-bit,12-bit(1080p@60Hz), 8-bit (4K2K@60Hz YUV4:4:4), 8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)

Color Space: RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0

HDR: Support HDR, HDR10+, HLG, Dolby vision

HDMI Audio Formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X

Coaxial Audio Formats: PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1

Analog Audio Formats: PCM 2.0CH

ESD Protection: Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

### Mechanical

Construction: Metal Enclosure

Silkscreen Color: Black

Dimensions: Transmitter: 220mm (W) × 130mm (D) × 40mm (H), Receiver: 140mm (W) × 65mm (D) × 18mm (H)

Weight: Transmitter: 853g, Receiver: 246g

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## Specifications

### Power & Regulatory

- Power Input: 12V DC 1A or 48V DC PoE (Power over Ethernet)
- Power Output (RS232 port): 12V DC 0.5A
- Power Consumption: 4.5 watts (10.5 watts when using 12V on RS232 port)
- ESD Protection: 8kV air, 4kV contact
- Power over Ethernet (PoE): 802.3af Alternative B
- Regulatory: FCC, CE, RoHS Compliant
- Prop 65 Compliant: No

### Power Supply

- Input: AC100 - 240V 50/60Hz, Output: DC 24V/2.7A (US/EU standards, CE/FCC/UL certified)
- Power Consumption: 35W
- Operating Temperature: 0°C ~ 40°C / 32°F ~ 104°F
- Operating Humidity: 20% to 90%, Non-condensing
- Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F
- Storage Humidity: 20~90% RH (non-condensing)

### Package Contents

- 18Gbps HDMI 1x4 HDBaseT Splitter x1
- HDBaseT Receiver x4
- IR Blaster Cable (1.5 meters) x5
- 20K~60KHz IR Receiver Cable (1.5 meters) x5
- 3-pin Phoenix Connector x5
- 5-pin Phoenix Connector x1
- Mounting Ear x10
- 24V/2.7A DC Locking Power Adapter x1
- User Manual x1

### Other

- Diagnostic Indicators: Power and Status
- UPC: 808447082661
- Product Part Number: CDA-CAT14018G
- Warranty: 3 years

DISTRIBUTION AMP

CDA-CAT14018G