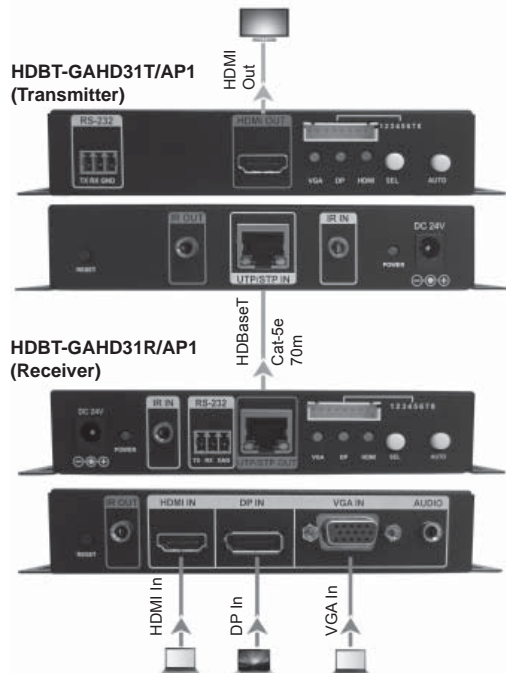


SPECIFICATION

	HDBT-GAHD31T/AP1	HDBT-GAHD31R/AP1
Input	1 × HDMI	1 × RJ45
	1 × Display Port	
	1 × VGA	
Output	1 × RJ45	1 × HDMI
Control	Front Panel & 8-pin external control	
HDMI Compliance	Yes	
HDCP Compliance	HDMI Deep color, Full 3D & 4K 2K	
Scaled Video Support	1080p @ 60Hz 36-bit color	
Max Video Support	1920 × 1200, 4K 2K	
Audio Support	Surround sound (up to 7.1ch) or Stereo Digital Audio	
Transmitter Range	Full HD (1080p) up to 70m through HDBaseT	
IR Passthrough	Bi-directional	
RS-232 Passthrough	Yes	
Power Supply	24V 1A	
Gross Dimensions	340 × 200 × 55 mm	340 × 200 × 55 mm
Gross Weight	555 g	920 g

DIAGRAM



Typical Applications:

Any integration that requires multi format inputs over a long distance or requires HDBT outputs.

- Schools (Classroom, Lab, Hall etc.)
- Churches
- Corporate Applications (Board Room, Function Room etc)
- Rental

ABtUS
SINGAPORE

* Specifications are subject to changes without notice.

HDBaseT 3:1 Scaler Switcher (HDMI/DP/VGA)



Model: HDBT-GAHD31T/AP1
(Transmitter)



Model: HDBT-GAHD31R/AP1
(Receiver)



DESCRIPTION

The **HDBT-GAHD31T/AP1** & **HDBT-GAHD31R/AP1** is a pair of automatic switcher that switches and scales input from multiple formats to output onto a display via HDBaseT.

It is able to automatically detect and switch input signals from HDMI, Display Port and VGA based on manual selection or last connected input. The signal will be automatically scaled and passed through a single CAT-5 cable using HDBaseT technology to the display (or receiver) up to 70m.

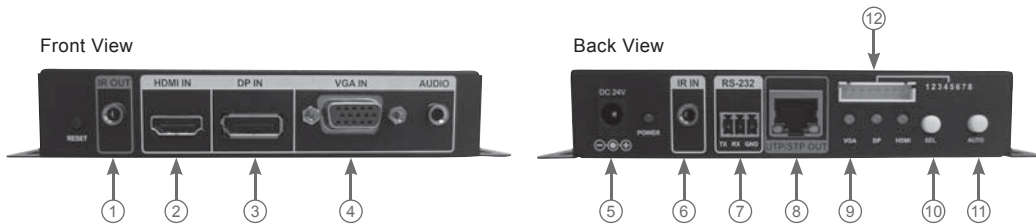
Bi-directional IR and RS-232 commands can also be passed through the same cable to control the source and display. Power over cable is also supported, allowing the receiver or transmitter to power up without connecting to a power adaptor.

The **HDBT-GAHD31T/AP1** & **HDBT-GAHD31R/AP1** also comes with a 8 pin 2.54mm connector for convenient integration with ABTUS IFP-600 series of modular interface panels.

PRODUCT FEATURES

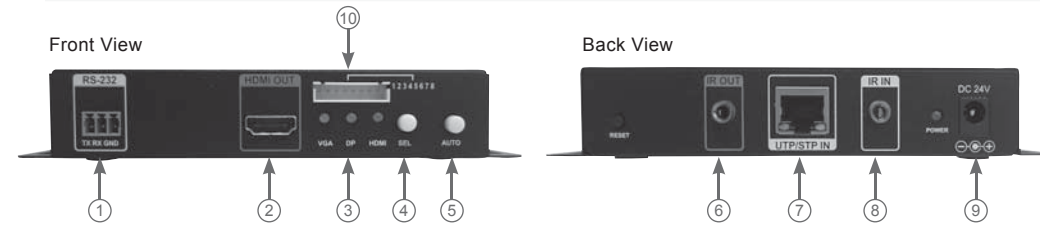
- Automatic input detection & selection
(Based on manual selection or last connected input)
- Supports up to 4K 2K resolutions
- Scaled video output to 1080p @ 60Hz
- Extends HDMI / VGA up to 70m
- Supports bi-directional IR and RS-232
- Support POC (power over cable)

FRONT/REAR PANEL (HDBT-GAHD31T/AP1)



Item	Description
1 IR OUT	IR passthrough from receiver
2 HDMI IN	HDMI input
3 DP IN	Display Port input
4 VGA + Audio IN	VGA + 3.5mm audio input
5 DC 24V	Power 24V DC <i>(Note: Power adaptor is supplied with transmitter HDBT-GAHD31T/AP1)</i>
6 IR IN	IR passthrough to receiver
7 RS-232	RS-232 passthrough to receiver
8 UTP/STP OUT	CAT-5 output to receiver of HDBaseT compatible displays
9 INPUT STATUS	LEDs, litted LED indicates active input.
10 SEL BUTTON	Manual source selection button
11 AUTO BUTTON	Auto sync for VGA
12 External Control	8-pin 2.54mm Connector

FRONT/REAR PANEL (HDBT-GAHD31R/AP1)



Item	Description
1 RS-232	RS-232 passthrough from transmitter
2 HDMI OUT	HDMI output to display
3 INPUT STATUS	LEDs, litted LED indicates active input.
4 SEL BUTTON	Manual source selection button
5 AUTO BUTTON	Auto sync for VGA
6 IR IN	IR passthrough to transmitter
7 UTP/STP OUT	CAT-5 input from transmitter or HDBaseT compatible devices
8 IR OUT	IR passthrough from transmitter
9 DC 24V	Power 24V DC <i>(Note: Power adaptor is not supplied with receiver HDBT-GAHD31R/AP1)</i>
10 External Control	8-pin 2.54mm Connector

3. Pin Configuration for External Control



Pin	Function	Pin	Function
1	GND	5	3.3V
2	LED (VGA)	6	GND
3	LED (Display Port)	7	SEL Button
4	LED (HDMI)	8	AUTO Button