

VE814AT

HDMI HDBaseT Transmitter with Local Output (4K@100m) (HDBaseT Class A)



ATEN VE814AT is an HDBaseT Video Transmitter that is capable of sending HDMI signals up to 100 m over a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable. Featuring dual synchronous outputs, the VE814AT can transmit video signal to two remote displays and one at the local side. This HDCP 2.2-compliant transmitter meets the HDMI Specification, including 3D, Deep Color, the maximum data rate of (10.2 Gbps), and 4K video quality up to 100 m.

The VE814AT supports RS-232 and IR signaling pass-through, allowing you to control the HDMI source device from the remote unit ([VE814AR](#)) while granting access to the HDMI display device from the local unit ([VE8014AT](#)). In addition, it supports Long Reach Mode that extends HDMI signals up to 150 m, 1080p, via a single Cat 5e/6 cable.

The VE814AT is a powerful solution for where digital signage is required, such as bars, educational spaces, and public transportation stations, allowing display of identical contents at different spots.



Egenskaper

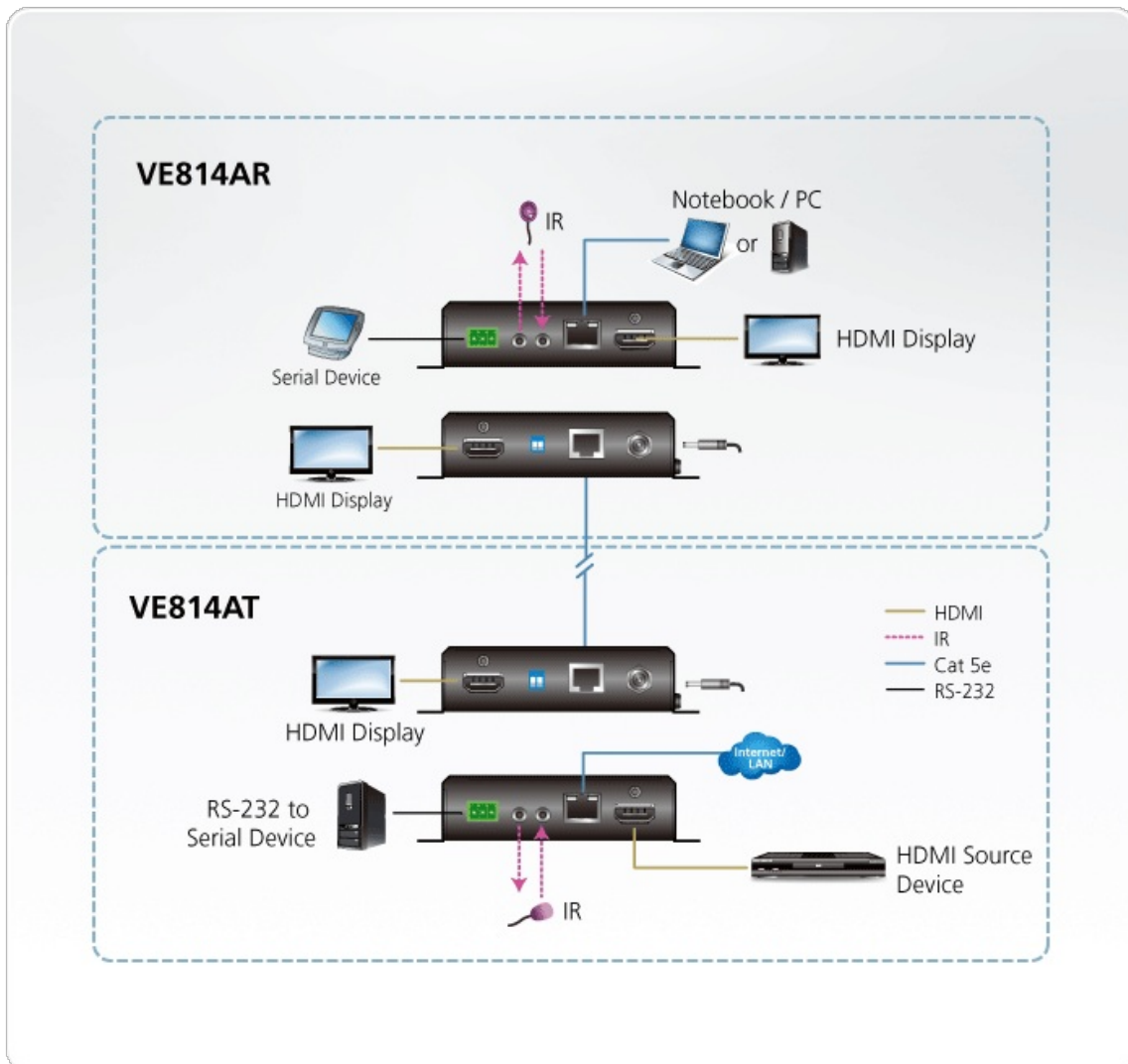
- Extends HDMI signals to one local and two remote displays up to 100 m over a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable
- HDMI (3D, Deep Color, 4K); HDCP 2.2 compatible
- Superior video quality:
 - 4K up to 100 m
 - 1080p up to 150 m when in HDBaseT Long Reach Mode
- Extends Ethernet communication using the Ethernet pass-through port
- Supports two IR channels for simultaneous IR signal transmissions, ranged from 30 KHz to 56 KHz
- ATEN EDID Technology -- when both transmitter and receiver sides are connected, [VE814A](#) adopts the EDID values of the display connected to the VE814AT for high-quality output
- RS-232 channel - allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- Supports wide screen format
- Built-in 8 kV/15 kV ESD protection
- Plug-and-play
- Rack-mountable

Specifikation

Videosignal in

Gränssnitt	1 x HDMI typ A, hona (svart)
Impedans	100 Ω
Max. Avstånd	3 m (2L-7D03H)
Videosignal ut	
Gränssnitt	1 x HDMI typ A, hona (svart)
Impedans	100 Ω
Max. Avstånd	3 m (2L-7D03H)
Video	
Max. Datahastighet	10,2 Gbit/s (3,4 Gbit/s per överföringsfält)
Max. Bildpunktsklocka	340 MHz
Överensstämmelse	HDMI (3D, Deep Color, 4K) HDCP 2.2-kompatibel Consumer Electronics Control (CEC)
Max. Upplösningar / avstånd	Upp till 4K vid 70 m (Cat 5e/6) / 100 m (Cat 6a/ATEN 2L-2910 Cat6); 1080p vid 100 m (Cat 5e/6/6a) *4K-stöd: 4096 x 2160 / 3840 x 2160 vid 60 Hz (4:2:0); 4096 x 2160 / 3840 x 2160 vid 30 Hz (4:4:4)
Ljud	
Ineffekt	1 x HDMI typ A, hona (svart)
Uteffekt	1 x HDMI typ A, hona (svart)
Kontakter	
Enhet till enhet	1 x RJ-45, hona
Effekt	1 x likströmsuttag (svart) med låsning
Reglage	
RS-232	Anslutningsdon: 1 x kopplingsblock, 3-poligt Datahastighet (i Baud): 19200, Databitar:8, Stoppbitar:1, ingen paritet och flödeskontroll
IR	2 x ministereouttag, hona (svart)
Ethernet	1 x RJ-45, hona
Switchar	
Lägesomkopplare för lång räckvidd	1 x skjutbrytare - PÅ/AV
Uppgradera fast programvara	1 x skjutbrytare - PÅ/AV
Strömförbrukning	Likström 5 V:5,09 W:24 BTU

Miljö	
Drifttemperatur	0 - 40 °C
Lagringstemperatur	-20 - 60 °C
Luftfuktighet	0 - 80% relativ luftfuktighet, icke-kondenserande
Fysiska egenskaper	
Hölje	Metall
Vikt	0,45 kg (0,99 lb)
Mått (L x B x H) med fäste	14,02 x 12,30 x 3,00 cm (5,52 x 4,84 x 1,18 tum)
Mått (L x B x H) utan fäste	13,60 x 10,10 x 2,90 cm (5,35 x 3,98 x 1,14 tum)

Diagram


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