



TA-AP383-4.0

1080P@30Hz HDMI Extender over CAT6 up to 120M with IR



User Manual

VER 1.1

Product Overview

The TechAagam TA-AP383 HDMI Extender extends 1080P Full HD HDMI signals up to 120 meters over a single CAT6/6A network cable while maintaining high-quality video and audio performance. Equipped with bi-directional IR pass-through, it enables seamless remote control of source devices from the display location.

Its compact metal enclosure, plug-and-play operation, and stable long-distance transmission make it an ideal solution for professional AV installations. Whether used in conference rooms, digital signage, classrooms, surveillance systems, hospitality, or home entertainment, the TA-AP383 delivers reliable, low-latency HDMI extension with simple installation and excellent performance.

Key Features

- HDMI transmission up to 120 meters
- Supports 1080P Full HD (1920 × 1080)
- HDMI over single CAT6/CAT6A cable
- Bi-directional IR pass-through
- Low latency signal transmission
- High-quality digital video and audio
- Compact heavy-duty metal housing
- Plug-and-play installation
- Stable long-distance AV transmission
- Suitable for point-to-point HDMI extension
- Supports professional AV installations
- Easy wall or rack mounting

Mechanical Specifications

Frame Width	Specification
Model	TA-AP383
Product Type	HDMI Extender over CAT6
Video Resolution	Up to 1080P Full HD
Maximum Transmission Distance	Up to 120 m
Transmission Cable	Single CAT6 / CAT6A Cable
HDMI Input	1 × HDMI
HDMI Output	1 × HDMI
IR Pass-Through	Yes (Bi-directional)

Audio Transmission	HDMI Embedded Audio
Housing	Heavy-Duty Metal
Installation	Plug & Play

Applications

- Conference & Meeting Rooms
- Classrooms & Training Centers
- Digital Signage
- Control Rooms
- Security Monitoring Systems
- Video Editing Studios
- Broadcasting
- Home Theatre
- Retail Displays
- Hospitality AV Installations

1.1 Application Example

120m HDMI Signal Network Transmission

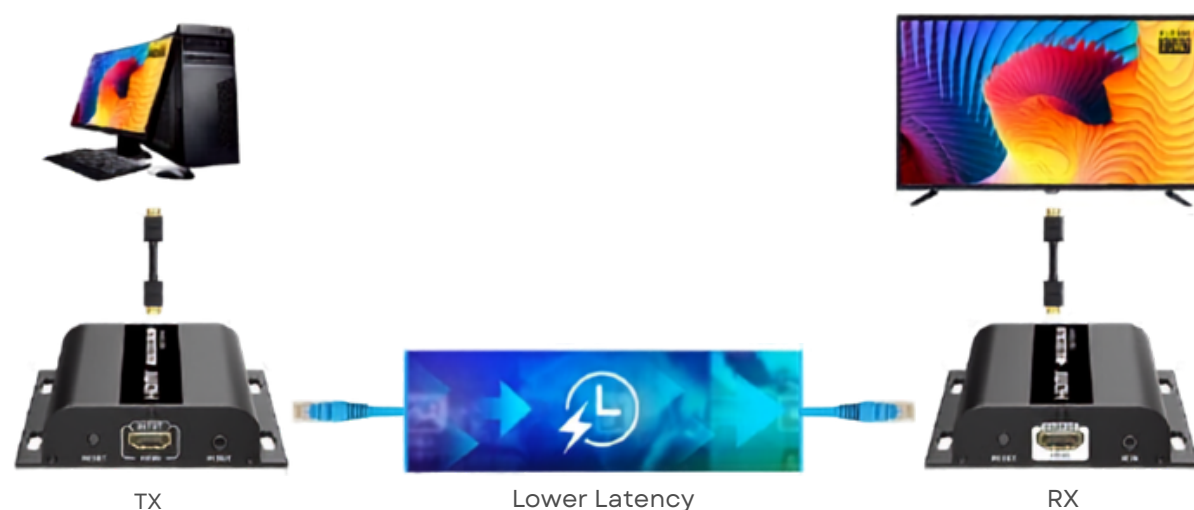
Converting HDMI audio and video signals into standard network signals, and the longest point to point transmission distance can reach 120 meters.



1.2 Application Example

Upgrading Technology, Lower Latency

LKV383-4.0 is an upgraded version of LKV383, with lower transmission delay and better compatibility with display source, signal source and transmission cable.



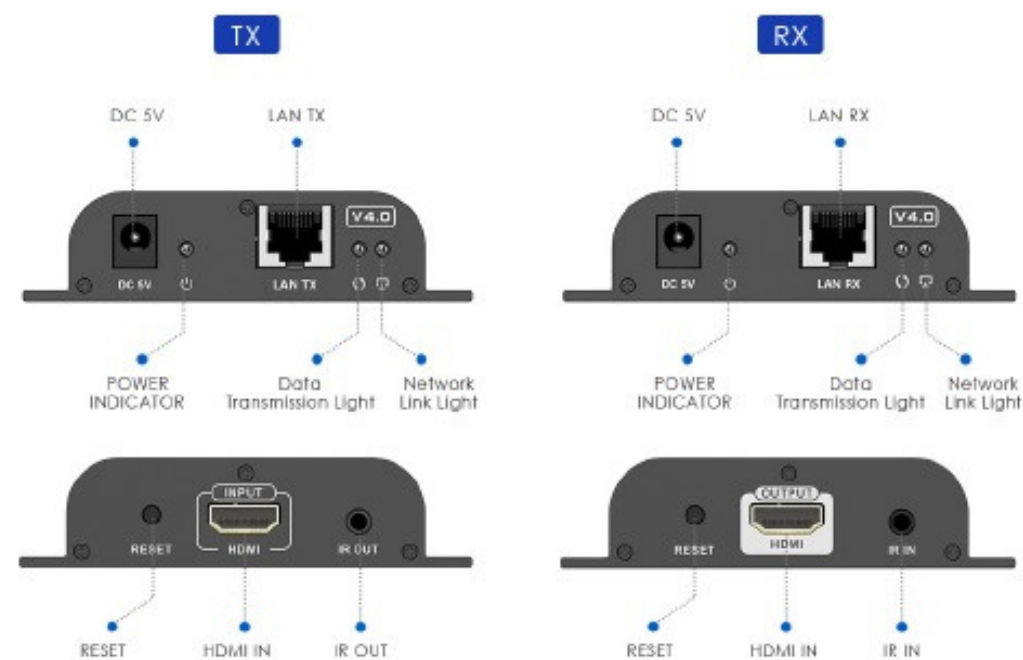
1.3 Application Example

IR Reverse Extension Transmission Technology

One IR wireless passback channel had been designed in LKV383-4.0, the receiving end can return 20-60KHz infrared radio frequency signals to the transmitting end, and the remote controller of the signal source device can be used to remotely switch content, switch the machine and etc.



1.4 I/O Ports



1.5 Connection

Unlimited LAN Extension and Distribution

One transmitting end can be connected to multiple receiving ends through a network router or switch, also 253 receiving devices can be connected, the infinite extension and distribution function can be realized through the switch cascade.

