NTH-50M1

flykantech.com HDMI KVM over Ethernet Extender | **50 m Point-to-Point** | **Direct CAT Cable Only**

EN

Rev 1.0 | 2026-11-14



50 m	P2P	HDMI (1080p)	2 × USB
MAX DISTANCE	DIRECT CAT ONLY	LOOP-OUT DESIGN	KEYBOARD & MOUSE

01 OVERVIEW

The TransView Basic NTH-50M1 from flykantech.com is an HDMI KVM over Ethernet extender designed for pure point-to-point operation. It cannot traverse switches or routers; the transmitter and receiver must be connected directly with a single CAT cable for up to 50 m reliable transmission. The kit contains a transmitter and a receiver. The transmitter offers HDMI input, local HDMI loop-out and a USB Type-B host port, letting you feed in your source signal while retaining a local preview display. The receiver provides one HDMI output together with dual USB ports to connect your keyboard and mouse for remote host control.



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Built with a metal enclosure for superior noise immunity and heat dissipation, it is plug-and-play and requires no IP configuration. As the entry-level member of the TransView family, this model retains only the core extension path to deliver excellent cost efficiency. Audio, video and USB signals are relayed synchronously with low latency and stable 7×24-hour operation. It fits point-to-point deployment scenarios including rack host isolation, exhibition booths and training rooms, and is perfect for bulk project procurement for integrators who only need basic long-distance KVM extension without advanced network forwarding functions.

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01 SPECIFICATIONS

INTERFACES & TRANSMISSION

Transmitter Interfaces	HDMI Input × 1, HDMI Output × 1 (Loop-out), USB Type-B (Host) × 1, DC Power × 1
Receiver Interfaces	HDMI Output × 1, USB × 2 (USB Device, for keyboard & mouse), DC Power × 1
Transmission	Point-to-point over CAT cable, max 50 m
Topology	Direct link only; not compatible with switches / routers
Audio	Embedded HDMI audio, transmitted synchronously
Interface Negotiation	Automatic EDID passthrough, DDC hot-plug handshake
USB Class	USB 1.1 HID for keyboard & mouse
Operation	Plug-and-play, no driver, no IP configuration
Housing	Metal casing
Operating Temperature	0 °C ~ 40 °C

02 KEY FEATURES

- Point-to-point KVM over CAT cable, up to 50 m
- Direct connection only; does not work via switches or routers
- Transmitter equipped with HDMI input + local loop-out
- Dual USB ports on receiver for keyboard and mouse
- Plug-and-play, no driver or IP setup needed
- Synchronized low-latency video, audio and USB signals
- Metal enclosure, supports 7×24 continuous operation
- Cost-effective entry-level KVM extender

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01 IMPORTANT NOTES

- This extender works only on direct CAT cable link between transmitter and receiver.
- It will not operate through network switches, routers or any IP network infrastructure.
- The two USB device ports are intended for keyboard and mouse HID devices only.
- Do not use high-speed USB peripherals such as mass storage, cameras or audio interfaces.
- Keep the cable run within the rated 50 m for stable video and USB performance.
- Ensure both transmitter and receiver are powered with matched DC power supplies.

02 APPLICATION SCENARIOS

- Rack Isolation: Place noisy or bulky host hardware inside equipment cabinets while operating remotely.
- Exhibition Booths: Drive demo PCs behind displays with clean cable routing.
- Training & Classroom: Centralize computers and operate from student or instructor stations.
- AV Integration: Simple point-to-point video and KVM extension without network setup.
- Industrial Control Benches: Extend console control away from the main computer chassis.
- IT Lab Deployment: Low-cost KVM extension for fixed direct-wired workstations.