

1080P60 H.265 AV over IP KVM Decoder

Add KVM Displays Without Adding Encoders — USB-KVM & Bidirectional IR, Video Wall up to 9×9 over 1G

MPN: AVO-IP265HDK-DEC



OVERVIEW

Adds a display with keyboard, mouse, and IR control of the source to your AV-over-IP system without adding an encoder — over the standard 1G network you already have. A compact 1080P60 H.265/H.264 AV-over-IP KVM decoder, the AVO-IP265HDK-DEC brings USB-KVM and bidirectional IR to every endpoint and racks up to 10 units in 6U or 4 in 1U — the right choice for control rooms, command centers, education, and corporate AV where display and control points grow independently of sources.

It receives any AVO-IP265HDK encoder's stream by unicast or multicast, drives matrix switching and video wall up to 9×9, extracts analog audio, and passes RS-232 / IR through — all configured through the web GUI, with USB DEVICE ports for the operator's keyboard and mouse. Pair it to a source with the AVO-IPCTL-265HD controller or an RS-232 command. Sold as a standalone decoder, it turns KVM expansion into a simple add-on. Encoders (AVO-IP265HDK-ENC) sold separately.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV/IT integrators scaling controllable display endpoints in a 1080P KVM-over-IP system independently of the number of encoders.

THE CHALLENGE

Adding a controllable display in bundled KVM kits means buying an encoder you don't need, and 4K KVM-over-IP endpoints over-serve 1080P jobs at a premium.

THE KANEXPRO ADVANTAGE

Brings USB-KVM and bidirectional IR to every display endpoint in a compact 204mm unit that racks 10 per 6U at 2.77W — sold standalone so display/control points scale without redundant encoders, on 1G with the AVO-IPCTL-265HD ecosystem.

2 PRODUCT POSITIONING

The AVO-IP265HDK-DEC is the compact 1080P H.265 AV-over-IP KVM decoder for integrators who need to add controllable display endpoints independently of source count — without over-buying 4K KVM hardware.

3 SALES ANALYSIS

CHANNEL FIT

AV/IT distribution and rep firms; online-reseller ready as a single decoder SKU, reordered as control points grow.

DEAL SIZE & SALES CYCLE

Typical order value \$3K–\$40K per venue; decoders reorder as displays/operators are added. 3–10 week initial cycle.

COMMON OBJECTIONS

"Only 1080P, not 4K" — cost + control-room fit. "Needs a managed switch" — switch list + IGMP.

WIN / LOSS THEMES

Wins on scaling controllable endpoints without redundant encoders; loses to 4K KVM-over-IP when 4K is required.

TOP USE CASES TO CLOSE

- 1 Phased control-room expansions adding operator positions.
- 2 Video-wall builds needing many KVM decoders per source.

4 APPLICATIONS



Control Rooms & Command Centers

Give every operator local keyboard, mouse, and IR control of any source on the wall, with 9×9 video-wall composition.



Broadcast & Production

Route and control edit bays, playout, and monitoring PCs from any position over standard 1G cabling.



Education & Lecture Capture

Drive classroom and overflow displays from a lectern PC while instructors keep full KVM control.



Healthcare & Imaging

Distribute and control PACS / modality workstations to reading rooms with keyboard/mouse at each display.



Corporate KVM & Huddle

Share and operate a room or data-center PC from breakout displays with USB-KVM and IR.



Government & SCADA

Extend and control secure operator workstations to remote consoles over a managed network.

5 WHO THIS IS FOR

AV/IT Integrators

System Engineers

Control Rooms

Broadcast

Education

Corporate KVM

Ideal User

Control-room / AV-IT integrator scaling controllable display endpoints in a 1080P KVM-over-IP system.

Project Types

Control rooms, command centers, broadcast/production, education, healthcare, corporate AV, government.

Typical Buyer

Integration firm principal or lead engineer; reseller category buyer for online reorders.

6 KANEXPRO PRODUCT COMPARISON

Where each KanexPro AV-over-IP product fits, so reps can steer to the right SKU:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
AVO-IP265HDK-DEC	Adding controllable displays	1080P60 H.265 KVM decoder	Add one per operator position without buying encoders (this product)
AVO-IP265HDK-ENC	Distributing + controlling one source	1080P60 H.265 KVM encoder	Distributes and gives KVM/IR control of one source
AVO-IP265HD-DEC	Video-only endpoints	1080P60 decoder (no KVM)	Choose when control isn't needed
AVO-IPJP2K	4K / visually-lossless jobs	4K60 JPEG2000 + Dante	Steps up to 4K when 1080P isn't enough

For 1080P control rooms, command centers, and KVM installs, pair AVO-IP265HDK-ENC encoders with AVO-IP265HDK-DEC decoders in the exact ratio each job needs; drop to the non-KVM AVO-IP265HD split when control isn't required.

7 FREQUENTLY ASKED QUESTIONS

Q: Why is the KVM decoder sold separately?

So integrators add controllable display endpoints without buying redundant encoders, and KanexPro can list a single KVM decoder SKU online.

Q: Can I add operator positions later?

Yes — drop in a decoder, pair it to an encoder via the controller or RS-232, plug in keyboard/mouse, and it joins the KVM system.

Q: How is this different from the non-KVM AVO-IP265HD-DEC?

The HDK adds USB-KVM (2× USB DEVICE) and bidirectional IR — choose HDK when the operator needs keyboard/mouse/IR control at the display.

Q: Does the decoder need a managed switch?

Yes — the same Layer-3 managed Gigabit switch with IGMP Snooping used by the encoders.

Q: How is decoder audio handled?

Analog stereo is extracted to a 3-pin Phoenix output and follows the encoder's audio source.

Q: Can it power over PoE?

Yes — 802.3af Class 3 PoE at the operator position, no local DC adapter needed.

Q: How many decoders can view/control one source?

Any number via multicast, up to a 9×9 wall; KVM control is granted one operator at a time per source.