1080P60 H.265 AV over IP Decoder

Add Displays Without Adding Encoders — Matrix & Video Wall up to 9×9, RS-232 Control over 1G

MPN: AVO-IP265HD-DEC

OVERVIEW

Adds a display to your AV-over-IP system without adding an encoder — it simply joins the standard 1G network you already have. A compact, low-power 1080P60 H.265/H.264 AV over IP decoder, the AVO-IP265HD-DEC measures just 120×95×21.5mm and draws 3.1 watts — rack-mounting up to 12 units in 4U or 8 in 1U, the right choice for digital signage, education, retail, and corporate AV where display counts grow independently of sources and density matters more than 4K or KVM.

It receives any AVO-IP265HD encoder's stream by unicast or multicast, drives matrix switching and video wall up to 9×9, extracts analog audio, and passes RS-232 through — all configured through the web GUI. Pair it to a source with the AVO-IPCTL-265HD controller or the RS-232 command !OUT xxx FR yyy. Sold as a standalone decoder, it turns display expansion into a simple add-on. Encoders (AVO-IP265HD-ENC) sold separately.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and system engineers who need to scale display count in a 1080P over-IP system independently of the number of encoders on the network.

THE CHALLENGE

In bundled encoder/decoder SKUs, adding a display means buying an encoder you don't need. Fixed matrix switchers cap output count, and 4K/KVM platforms over-serve 1080P jobs at a price premium.

THE KANEXPRO ADVANTAGE

Sold as a standalone decoder, so display count scales without buying redundant encoders. Compact 120×95×21.5mm form factor racks 12 units in 4U at just 3.1W, with matrix switching, 9×9 video wall, and AVO-IPCTL-265HD controller support on standard 1G infrastructure.

2 PRODUCT POSITIONING

> ***The AVO-IP265HD-DEC is the compact, rack-dense 1080P H.265 AV-over-IP decoder for integrators who need to add displays to a distribution system independently of source count — without over-buying 4K or KVM hardware.***

3 SALES ANALYSIS

CHANNEL FIT

AV distribution and rep firms into integrators; online-reseller ready as a single decoder SKU, letting resellers stock decoders separately to match display growth.

DEAL SIZE & SALES CYCLE

Typical order value $2K–$25K per venue; decoders often reordered as displays are added, driving repeat purchases. 2–8 week initial cycle.

COMMON OBJECTIONS

"Only 1080P, not 4K" — answer with cost and signage/education fit. "Needs a managed switch" — supply switch list and IGMP guidance.

WIN / LOSS THEMES

Wins on the ability to scale displays without redundant encoders and on rack density; loses to 4K/KVM platforms when those capabilities are required.

TOP USE CASES TO CLOSE

1. Phased display expansions where screens are added after the initial encoder deployment.
2. Video-wall builds up to 9×9 that need many decoders per source.

4 APPLICATIONS

Digital Signage Networks

One media player feeds dozens of screens across a venue over existing 1G cabling, with new displays added by dropping in a decoder.

K-12 & Higher Education

Distribute a lecture-capture or classroom PC source to overflow rooms and common-area displays without dedicated matrix hardware.

Retail & QSR Menu Boards

Drive promotional and menu-board screens from a central player, scaling display count store-by-store without re-encoding.

Sports Bars & Hospitality

Route any source to any TV and build video walls up to 9×9 for game-day and event displays over a managed network.

Corporate & Huddle Spaces

Share a room PC or presentation source to breakout displays and lobby screens with RS-232 room control.

Control & Operations Rooms

Compose multi-source video walls and monitor feeds at ultra-low power for 24/7 always-on operations.

5 WHO THIS IS FOR

AV Integrators · System Engineers · Signage Networks · Education AV · Retail / QSR · Hospitality

Ideal User	Commercial AV integrator or system engineer scaling display endpoints in a 1080P over-IP system.
Project Types	Digital signage, K-12 & higher education, retail/QSR, hospitality, corporate AV, control rooms.
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-IP265HD-DEC	Adding displays to a system	1080P60 H.265 decoder	Add one per display without buying encoders (this product)
AVO-IP265HD-ENC	Distributing one source to many screens	1080P60 H.265 encoder	Encodes one HDMI source for unlimited decoders
AVO-IP265-HDK	Installs needing USB-KVM	H.265 + USB-KVM	Adds USB HOST/DEVICE, IR, and HDMI loop-out
AVO-IPJP2K	4K / visually-lossless jobs	4K60 JPEG2000 + Dante	Steps up to 4K when 1080P isn't enough

For 1080P signage, education, retail, and hospitality distribution, pair AVO-IP265HD-ENC encoders with AVO-IP265HD-DEC decoders in the exact ratio each project needs.

7 FREQUENTLY ASKED QUESTIONS

Q: Why is the decoder sold separately?
So integrators add displays without buying redundant encoders — and so KanexPro can list a single decoder SKU online, matching AV Access's HDIP100D.

Q: Can I add decoders later to an existing system?
Yes — drop in a decoder, pair it to an encoder via RS-232 (!OUT xxx FR yyy) or the controller, and it joins the distribution.

Q: Why choose this over AV Access HDIP100D?
Denser racking (12 in 4U), 9×9 video wall, low 3.1W power, and AVO-IPCTL-265HD controller support.

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 display location, no local DC adapter needed.

Q: How many decoders can display one source?
Any number — multicast lets unlimited decoders subscribe to a single encoder stream, up to a 9×9 video wall.