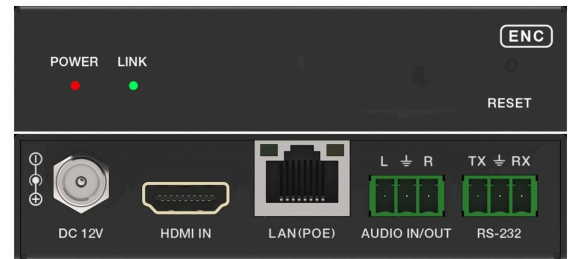


1080P60 H.265 AV over IP Encoder

Distribute One HDMI Source to Unlimited Displays — Matrix & Video Wall up to 9×9, RS-232 Control over 1G

MPN: AVO-IP265HD-ENC



Encodes one HDMI source into a compact H.265/H.264 IP stream that any number of AVO-IP265HD decoders can display over a standard 1G managed network. At 120×95×21.5mm and just 2.64 watts, the AVO-IP265HD-ENC rack-mounts up to 12 units in 4U or 8 in 1U — built for digital signage, education, retail, and corporate AV distribution where one source must reach many screens without a per-display encoder.

Supports matrix switching, video wall up to 9×9, unicast and multicast distribution, analog audio embedding, and RS-232 pass-through, all configurable via web GUI. RTSP sub-streams allow VLC and third-party preview. Managed by the AVO-IPCTL-265HD controller. Decoders (AVO-IP265HD-DEC) sold separately.

1080P60 H.265 / H.264	Compact 120×95×21.5mm	9×9 Wall 81 Displays	Rack Dense 12 / 4U or 8 / 1U	2.64W Ultra-Low Power	PoE 802.3af No PSU Needed
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KEY FEATURES

- H.265/H.264 codec — 1080P@60Hz 4:4:4, up to 1920×1200@60Hz, HDMI 1.3, HDCP 1.4
- Compact form factor: 4.72" × 3.74" × 0.85" (120 × 95 × 21.5mm), 0.65 lbs per unit
- Rack-dense: 4U rack (up to 12 units) or 1U rack (up to 8 units)
- Encodes one HDMI input into a low-latency H.265/H.264 IP stream for unlimited decoders
- Matrix switching, video wall up to 9×9, unicast and multicast distribution over 1G
- Analog audio embedding — LPCM 2.0CH inserted into the stream
- Configurable main stream (8Mb/s default) and sub stream (640×360, 1Mb/s default)
- RTSP sub-stream for VLC and third-party application preview
- Web GUI for video configuration, EDID management, picture settings, firmware updates
- PoE 802.3af Class 3 PD or DC 12V/1A — ultra-low power: 2.64W
- Works with AVO-IPCTL-265HD (CTL100H) controller

SPECIFICATIONS

Video / Codec	H.265/H.264 — 1080P@60Hz, up to 1920×1200@60Hz, HDMI 1.3, HDCP 1.4, 4.95Gbps
Color / Audio	RGB/YCbCr 4:4:4 / 4:2:2 LPCM 2.0CH (32/44.1/48kHz) Analog audio IN
Encoder Connections	1× HDMI IN 1× LAN/PoE (RJ45) 1× Audio IN (3-pin Phoenix) 1× RS-232
Streams	Main 8Mb/s default Sub 640×360 @ 1Mb/s (configurable)
Video Wall	Up to 9×9 (81 displays)
Transmission	Up to 328ft / 100m via CAT5E/6/6A/7
Power	PoE 802.3af Class 3 or DC 12V/1A 2.64W
Dimensions (W×D×H)	4.72" × 3.74" × 0.85" (120 × 95 × 21.5mm)
Weight	0.65 lbs (294g) per unit
Rack Mounting	4U rack: up to 12 units 1U rack: up to 8 units
Default IP / Login	169.254.100.254 admin / admin

PACKAGE CONTENTS

Each AVO-IP265HD-ENC includes: 2× 3-pin Phoenix connectors | 2× Mounting ears | 4× Screws (KM3) | 1× DC 12V/1A locking PSU | User manual. Decoder (AVO-IP265HD-DEC) sold separately.



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