

## IP-JP4-60-D SERIES

4K60 (4:4:4) 1Gb AVoIP Solution

## Dante AV-A™

AVOIP



IP-JP4-60-D-TX-10



IP-JP4-60-D-RX-10

### > Product Description

The Netvio IP-JP4-60-D Series builds on the proven performance of Netvio's JP4 AVoIP platform by making Audinate Dante AV-A a standard feature across all 4K60 4:4:4 solutions. Delivering fully synchronized video and audio distribution over standard 1Gb networks, the JP4-60-D supports visually lossless 4K60 4:4:4 HDR video at 18Gbps with ultra-low-latency, pixel-for-pixel performance. By unifying video and audio transport within a single platform, Netvio removes previous product segmentation while maintaining uncompromised image quality and broadcast-grade audio integration.

The JP4-60-D Series matches the full specification and performance of the former JP4-60-DNT Series, enabling native interoperability with Dante audio devices on the same network. AV professionals can route and manage both video and audio using Dante Director, Dante Controller, or Dante Domain Manager, alongside Netvio's own Netvio360 configuration and NetvioGo control platforms. Supporting HDCP 2.2, HDR10, HDR10+, Dolby Vision, and multichannel audio formats, the JP4-60-D delivers a unified, scalable AV-over-IP solution that bridges video and audio networks—now offered as a simplified, more affordable, and highly competitive single-range platform.

### > Product Features

- Newest iteration of Dante compatible video solutions.
- 4K60 4:4:4 video encoding and decoding.
- Video, Audio, IR & RS-232 signal routing through Dante software tools
- Adds two channels of Dante audio that are interoperable with any Dante-enabled device.
- Works on common 1Gbps networks, avoiding cost and complexity of 10Gb solutions.
- Low latency (1 frame/16ms) perfect for IMAG and in room video distribution.
- HDCP 2.2 support including compatibility with HDCP2.3 devices.
- Device monitoring through Dante Director & Domain Manager.
- Backed by a 5-Year Product Warranty

### > What's Included

- 1 × (Encoder or Decoder)
- 1 × IR Receiver Cable (1.5 m / 4.9 ft)
- 1 × IR Blaster Cable (1.5 m / 4.9 ft)
- 3 × 3-pin Phoenix Connectors (RS-232, Audio)
- 2 × Mounting Ears + Screws
- 1 × User information
- 12V/1A PSU not provided, PoE Default power.

### > Included Software & Apps

- Netvio360 Configuration Software
- AppBuilder Software
- NetvioGo End-user application.

## > Specifications

### Audio | Video

- Supports HDMI2.0b 18Gb HDMI input signal.
- HDCP 2.2 support including compatibility with HDCP2.3 devices.
- Max Video Transmission 3840x2160 60fps 4:4:4 8bit
- Video signal over LAN not exceeding 850Mbps
- HDR Support at 4K60 4:2:2 10bit
- 2x2 Dante Audio Channels
- IP Preview (RTSP) Main Output 1920x1080 30fps + LPCM 2.0 audio
- IP Preview Sub Output 960x580 30fps
- Enhanced compatibility mode ideal conference hubs, laptop & commercial display integration.
- HDMI Loop Out (TX) 3840x2160 60fps 8b 4:4:4
- HDR Compatible including HDR10, HLG, HDR10+ & Dolby Vision
- Scaler capable of 4K to 2K
- End to Latency =< less than 1 video frame
- LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos DTS, DTS-96/24, DTS-EX DSD, DTS High Res, DTS-HD Master, DTS:X
- Multiple audio connectivity including analog and digital options.
- Supports ARC/eARC capture & routing.
- Ability to embed additional audio source to HDMI signal via encoder.

### Network

- 1 GbE, up to 100 m (328 ft) over CAT5e/6/6A/7

### Streaming

- Dual streams—JPEG2000 + H.265; VLAN capable for secondary stream

### Control Interfaces

- Web GUI, RS-232 (Phoenix), TCP/IP API, IR

### Video Wall Support

- Up to 16x16, including advanced wall-in-wall layouts

### Power

- PoE (IEEE 802.3af) or 12 V DC power supply
- Power Consumption
- Encoder: < 8 W; Decoder: < 4 W

### Dimensions

- 204 × 100 × 21.5 mm (8.03 × 3.94 × 0.85 in)

### Weight

- Encoder: 509 g (1.12 lb); Decoder: 496 g (1.09 lb)

### Housing

- Black metal enclosure

### Operating Temp

- 0 °C to 40 °C (32 °F to 104 °F)
- Storage Temp
- -20 °C to 60 °C (-4 °F to 140 °F)
- Humidity
- 20–90 % RH, non-condensing

### Country of origin

- Hardware: China
- Software: UK

### HSA Code

- 8517.62.0000

### Warranty

- 5-Years (2-years advanced replacement).
- Subject to warranty conditions available at [www.netvio.io/warranty](http://www.netvio.io/warranty)

## > Connectivity

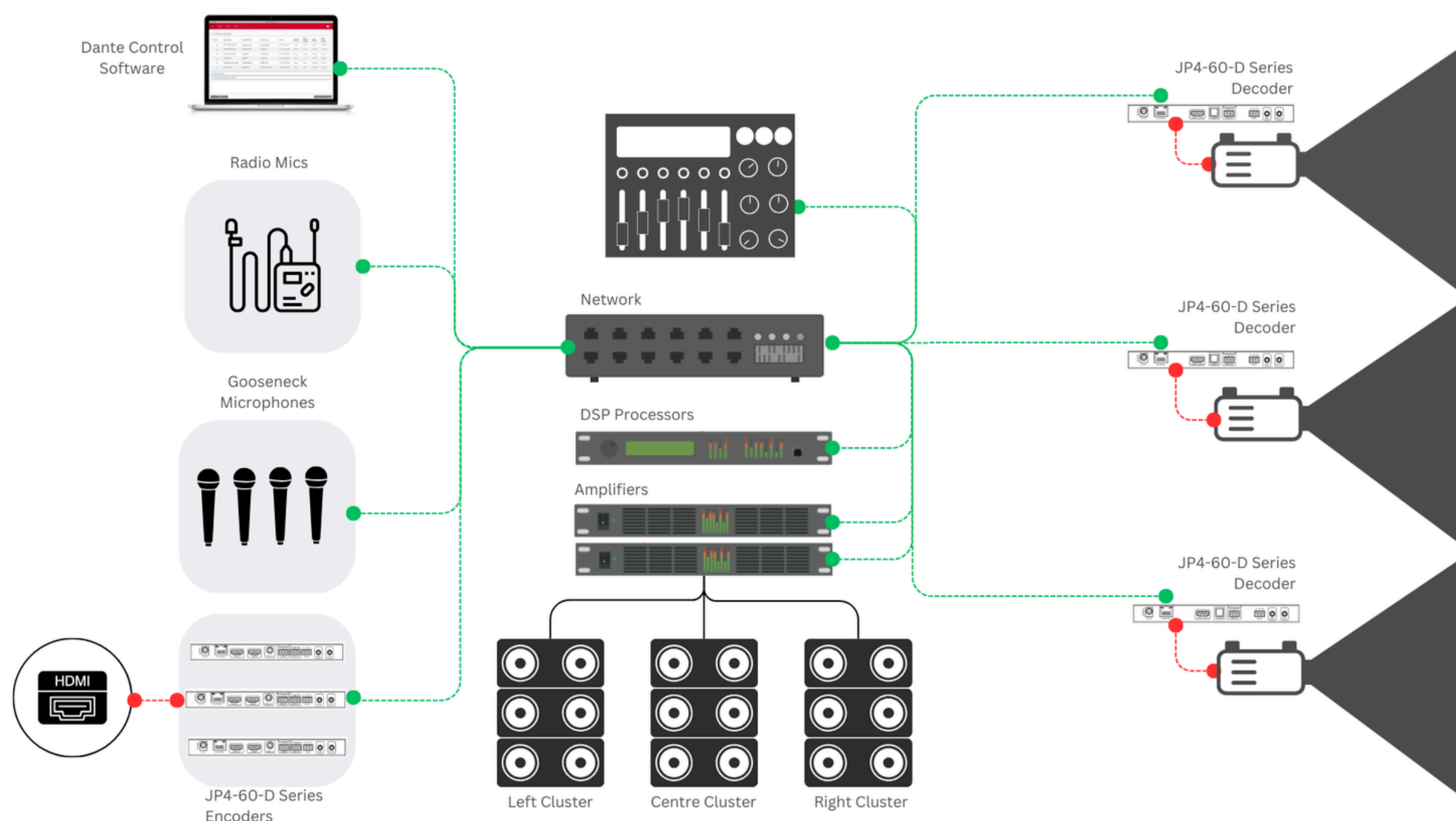
### Encoder

- Inputs
  - 1 × HDMI In — up to 4K60 4:4:4
  - 1 × Analog Audio In (3.5 mm stereo)
  - 1 × IR In (3.5 mm)
  - 1 × RS-232 (Phoenix connector)
- Outputs
  - 1 × HDMI Loop Out — local monitoring / confidence feed
  - 1 × Analog Audio Out (3.5 mm stereo)
  - Coax Digital Audio Output
  - 1 × IR Out (3.5 mm)
- LAN
  - 1 × LAN (RJ45) — Gigabit Ethernet for AV-over-IP transport
- Other
  - 1 × DC Power In (12 V) (PSU not supplied) or PoE

### Decoder

- Inputs
  - 1 × HDMI Out
  - 1 × Analog Audio In (3.5 mm stereo)
  - 1 × IR In (3.5 mm)
  - TOSLINK Digital audio Input
  - 1 × LAN (RJ45) — Gigabit Ethernet for AV-over-IP transport
- Outputs
  - 1 × HDMI Out — up to 4K60 4:4:4 to display/projector
  - 1 × Analog Audio Out (3.5 mm stereo)
  - 1 × IR Out (3.5 mm)
  - 1 × RS-232 (Phoenix connector)
- LAN
  - 1 × LAN (RJ45) — Gigabit Ethernet for AV-over-IP transport
- Other
  - 1 × DC Power In (12 V) (PSU not supplied) or PoE

## > Wiring Diagram



## > Related Products

- IP-JP4-CL-10 (Network Controller) - **Not required in AV-A Mode**
- IP-JP4-60-D Series (can be mixed)
- IP-SW-24P-10 / IP-SW-48P-10 (Plug & Network Switches)
- TS-10-10 (Touch Screen)
- TS-MT-20 (Adjustable Height Touch Screen Mount)
- MV-H2-0401-10 (MultiView)
- IP-RK-10 (Rack Mount)

## > Integrations

- NetvioGO End-User Application (Free)
- NetvioGo integrations including Blaze, LEA, Powersoft, Symetrix, Cloud, Yamaha, plus many other AV devices.
- Control System Drivers including Crestron, Q-Sys, Control4, RTI, Elan
- Dante Controller, Director, Domain Manager

## > Architects & Engineers Description

The system shall consist of Netvio IP-JP4-60-D Series HDMI AVoIP encoders and decoders designed for operation over standard 1Gb network infrastructure. Each unit shall support HDMI 2.0b, HDCP 2.2/1.x, and provide visually lossless 4K60 4:4:4 HDR video transmission at up to 18Gbps, delivering ultra-low-latency, pixel-for-pixel performance suitable for professional AV and collaboration environments.

The devices shall support HDR10, HDR10+, and Dolby Vision, and shall pass through multichannel HDMI audio formats including LPCM, Dolby Digital, Dolby TrueHD, DTS-HD Master Audio, and DSD. In addition to video transport, each JP4-60-D unit includes an integrated 2x2 Dante audio channel interface as standard, enabling the transmission and reception of stereo Dante audio streams over the same network connection as video.

The integrated Dante audio interface shall operate either as part of the Netvio AVoIP ecosystem or within a standalone Audinate Dante environment, providing full interoperability with third-party Dante-enabled audio devices. Dante audio functionality shall be natively compatible with Audinate Dante Controller, Dante Director, and Dante Domain Manager, enabling full discovery, routing, and management of audio signals across standard Dante networks.

The JP4-60-D Series shall be compatible with standard 1Gb Ethernet network switches and support scalable deployment ranging from point-to-point links to large-scale, enterprise-wide matrix topologies, delivering a unified and cost-effective AV-over-IP solution with integrated video, audio, and control.

## > Approved Switches

- **Netvio**
- Arakins
- Cisco
- Draytek
- Luxul
- Netgear
- Niveo
- Ubiquiti

Switch guides are available for download at [www.netvio.io](http://www.netvio.io) or [www.netvio.co.uk](http://www.netvio.co.uk)

## > Change Note

IP-JP4-60 and IP-JP4-60-DNT merged into current range of IP-JP4-D Series