

NETVIO

SIMPLIFYING COMPLEXITY

IP-JP4-RX-10 JPEG2000 High Performance Decoder



4K HDR

LATEST 4K MEDIA

4K/60 HDR using Cat5e/6 with 40m & 70m output support.

If bandwidth exceeds HDBaseT 10.2Gbps limits, then seamless light compression is added.

360 DEVICE

AUTO DISCOVERY

Netvio 360, free utility for PC and Mac providing a unified and guided workflow approach to discover. Configure, optimize, design and control.

Fastest, user friendly AVoIP configurator.

HQ PREVIEW

1080P FULL HD

Stunning 1080p real-time-preview-streams. HQ previews are embedded in the latest Netvio GO end-user control application. Can be securely applied to other software decoding applications.

MEDIA SWITCH

AUDIO ROUTING

Audio & video signals independently routed. Connections to local audio system using variable line-level stereo. Control of routed audio & video signals with Netvio GO or API.

VIDEO WALLS

81 DISPLAYS

Integrated video wall processing replaces the need for dedicated hardware. Can create a range of configurations upto 81 displays (9x9). Easy control via Netvio GO.

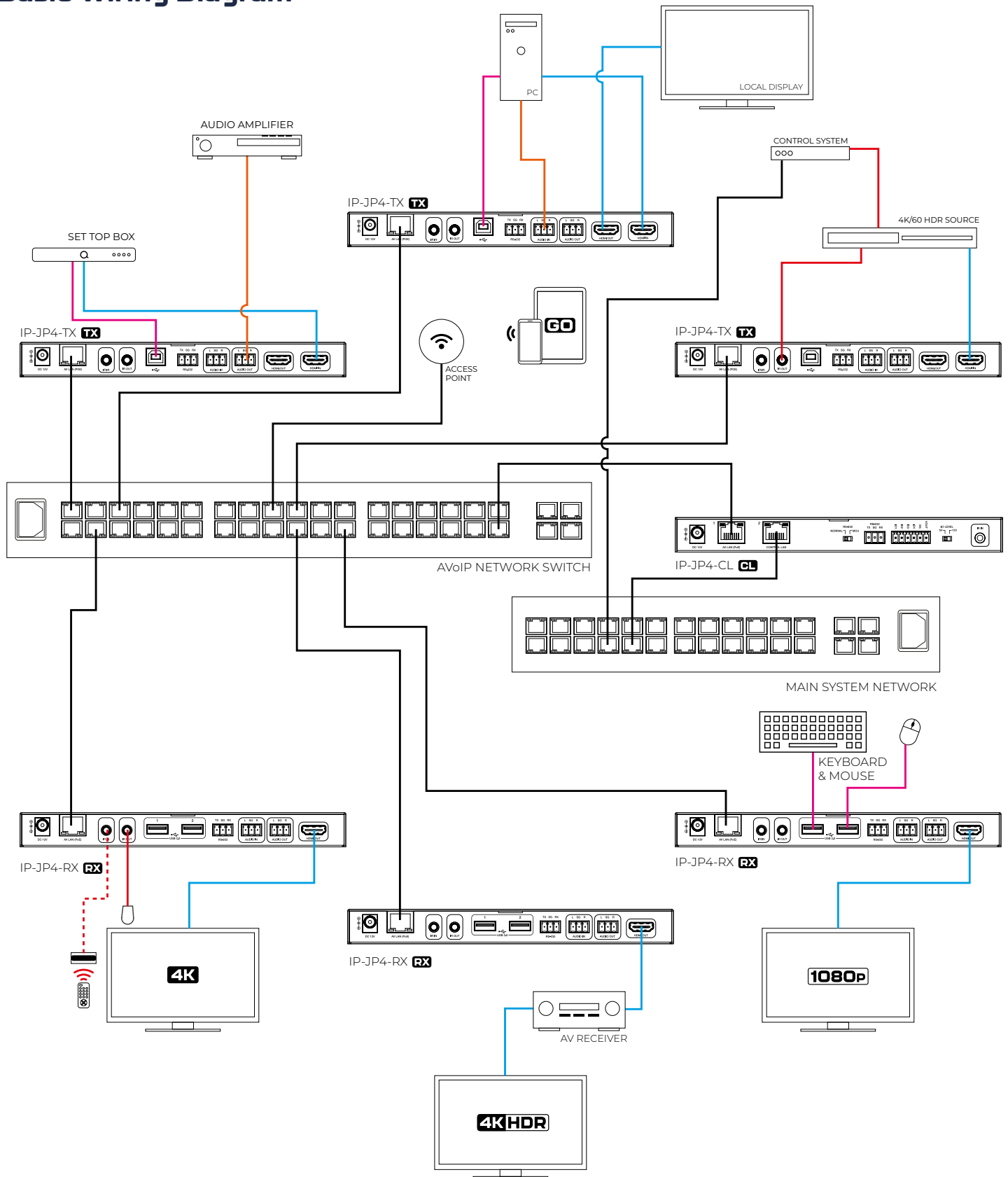
USB KVM

ENTERPRISE ENCRYPTION

Encoder, decoder communications secured by SSH encryption with controller (CL) to LAN connectivity using WSS.

Internal & external browsers secured by HTTPS & TLS, including custom certificates.

Basic Wiring Diagram



- IR (OUT)
- RS-232
- Cat5e/6/6a/7
- USB
- IR (IN)
- Audio
- HDMI
- Speaker

VIDEO

Encoding Data Rate

HDMI Input: Max 17.82Gb/s

LAN Output: Max 850Mb/s

Preview Output: Max: 20.48Mb/s + 2048Kb/s

USB Throughput: Max ~60Mb/s

Max Video Transmission

3840x2160 60fps 8b 4:2:2

IP Preview Main Output: 1920x1080 30fps

IP Preview Sub Output: 960x580 30fps

HDMI 3840x2160 60fps 8b 4:4:4

HDMI

HDMI 2.0 compatible 6Gbps 600MHz TMDS (e.g. 3840x2160 60fps 4:4:4 8b) via HDMI Type A Receptacle.

Max Pixel Clock

300MHz / 300Mscs

HDR Compatibility

HDR10, HDR10+, Hybrid Log-Gamma, Dolby Vision

Scaler Function

4K to 2K 8b

Modes include, pass-through (no scaling), Fixed 4K → 2K, Automati

HDCP

Inclusive up to 2.2

AUDIO

Audio Formats:

LPCM 2ch, LPCM 5.1, LPCM 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS Master

NETWORK

LAN:

1x IEEE 802.3u 100Base-TX Ethernet interface via "RJ45" socket.

Local discovery and API console via Netvio 360 & Netvio Go APP,

3rd-party integration via public API

Delivery:

Separate multicast group IPs for audio, video, infrared, serial, CEC, USB.

Link manager via single multicast group IP from query device - response via unicast.

Default API channel via unicast, secured using SSH protocol.

Preview, Unicast RTSP protocol for media management of audio/video.

End to End Latency

HDMI: (HDMI passthrough) zero frames.

HDMI path using compatible decoder = 1 video frame.

HDMI path using compatible decoder with scaling = 2 video frames.

Preview: ~1s (varies, no fixed clock) + decoder latency

ENVIRONMENTAL

Storage

20°C / +60°C | 20% - 90% RH

Operating

0°C / +40°C | 20% - 90% RH

COMMUNICATION & CONTROL

HDMI:

CEC, DDC

USB:

Supports KVM mode for multiple USB devices (decoder) to USB host (encoder) data routing, device emulation and data contention mitigation.

RS-232:

Supports serial generation and reception. Also supports serial routing from encoder → decoder(s) and decoder → encoder(s).

IR:

Supports Infrared generation and reception. Also supports IR routing from encoder → decoder(s) and decoder → encoder(s).

Drivers & Control

Drivers available for control systems including C4, Crestron, RTi & Elan.

Discovery, configure, optimise, design via Netvio 360 utility.

Full spectrum AV control via FREE Netvio application for Apple & Android devices.

EDID

Automatic, Onboard pre-sets, Copy sync (RX)

OTHER INFORMATION

Power Supply:

PoE/PoE+ IEEE 802.3af compliant (12W draw).

FREE Software & Control

Netvio 360 utility - discovery, configure, optimise, design, control

Netvio GO - Full spectrum AV control

Weights & Dimensions:

Height: 22mm

Depth: 100mm

Width: 204mm

Weight: 0.5kg

In the box:

Mounting brackets

IR Accessories

Phoenix connectors

Regulations

Safety Approvals: CE, UKCA, FCC, RoSH

Warranty

2-Year standard warranty

3-Year standard warranty (*subject to online registration*)

5-Year SafeGuard | 5% product value

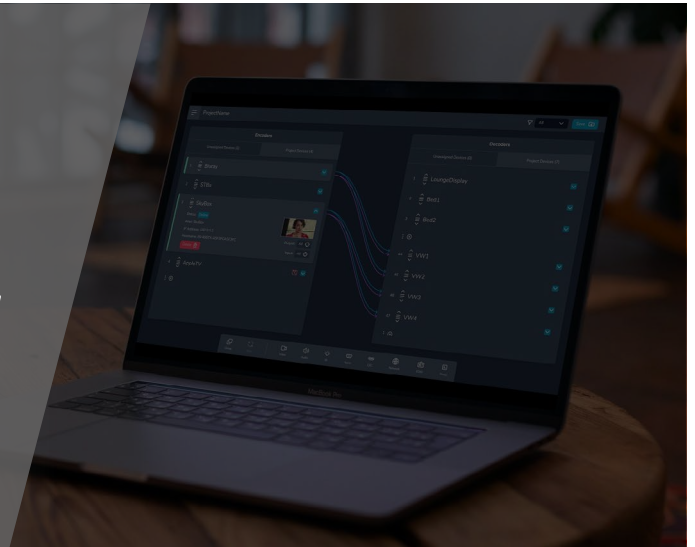
10-Year SafeGuard | 10% product value

NETVIO360

DISCOVER, CONFIGURE, OPTIMISE, DESIGN & CONTROL

Netvio 360, a free utility for PC and Mac provides a unified and guided workflow approach to discover, configure, optimise, design and control HDBaseT, 1Gb and 10Gb AVoIP solutions.

Use the design canvas tool to drag 'n' drop system components, draw control paths before launching Netvio GO! with a QR code.



NETVIOGO

GET, SET, GO!

Free-on-board! Netvio GO provides a high-quality end-user control experience for HDBaseT, 1Gb & 10Gb AVoIP solutions.

A full spectrum AV control platform using Apple & Android devices, Netvio GO seamlessly manages signal distribution, media sources, displays & audio devices via IR, RS-232, CEC & IP without dedicated control hardware.

Set-up & control established takes minutes using Netvio 360.



Other AVoIP Products *(Sold separately)*



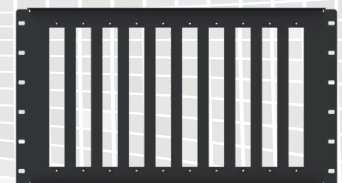
IP-JP4-CL-10

Centralised dual network controller for JP4 series AVoIP solution



IP-JP4-TX-10

JPEG2000 high performance 1Gb encoder converting 4K/60 HDR media for distribution over standard IP Network.



IP-RK-10

19" universal 6U, 10 device rack compatible with all Netvio AVoIP solutions