

NETVIO

SIMPLIFYING COMPLEXITY

MX-HT2-0806-10 Flexible Output Audio, Video & AV Control Matrix



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.

SCALING

AUTO 4K/1080P

Onboard scaling solves the re-occurring problem on how to seamlessly integrate the latest 4K/60 HDR displays with older legacy 1080p equipment.

MIXED OUTPUTS

HDMI 40M & 70M

Choose from HDMI, 4K/60 HDR 40m and 70m HDBaseT outputs to achieve the desired install objective.

Control specifications & budgets through the choice of RX options.

EXTRACT

AUDIO OUTPUTS

Audio system integration made easier with 6no. variable line-level audio outputs.

De-embedding direct from the HDMI signal avoids audio, video synchronization issues.

IR

2-WAY IR CONTROL

2-way IR allows control of centralised media sources while providing an additional path-way to send IR signals from the matrix control source to the display area.

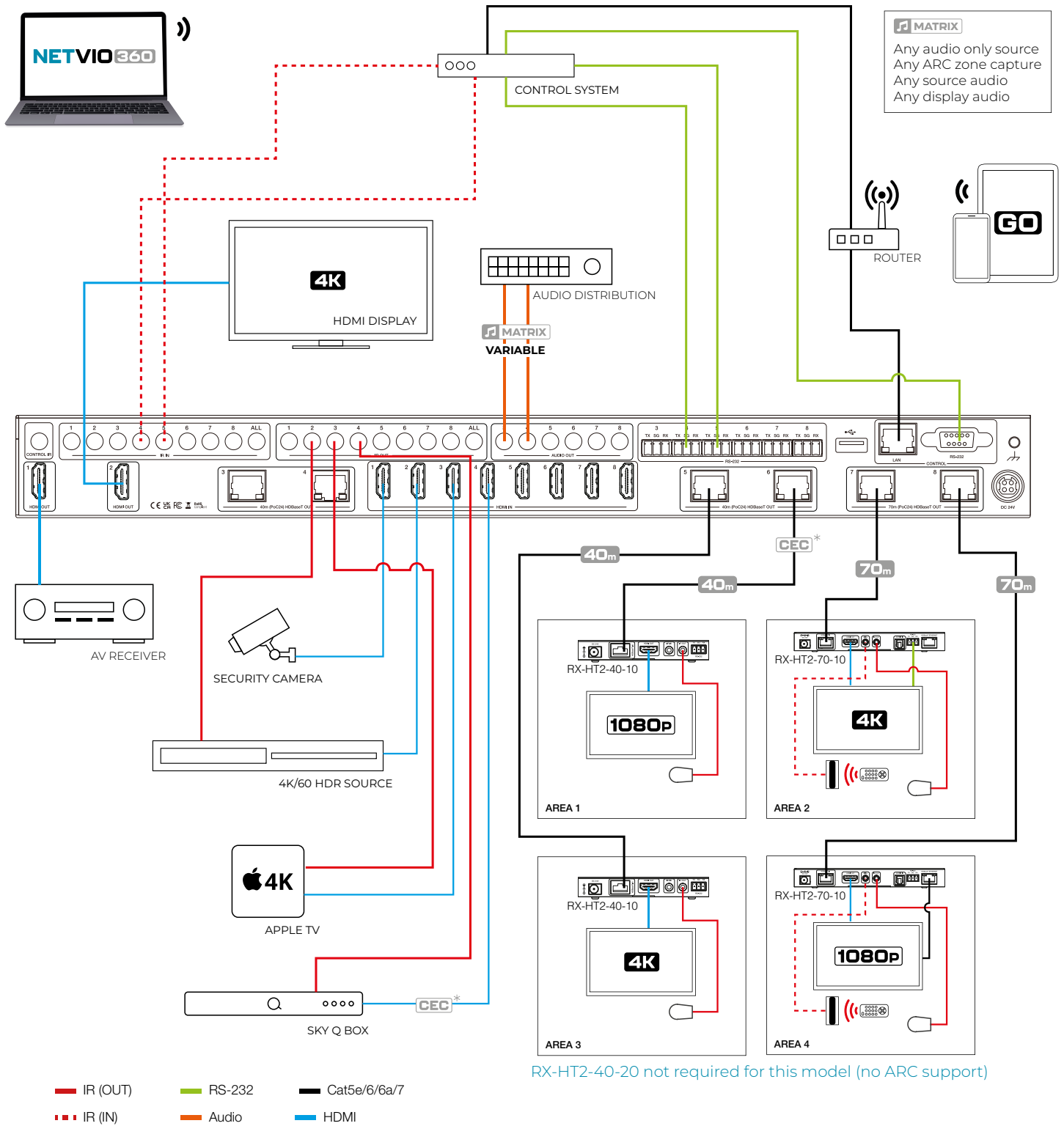
RS-232

ROUTED & DIRECT

Direct zoned connectivity resulting in simple pass-thru from control source, to matrix, to receivers.

Alternate onboard support for routed RS-232.

Basic Wiring Diagram



VIDEO

Encoding Data Rate

HDMI: Max 17.82Gbs

HDBaseT: Max 10.2Gbs subject to variable stream compression and up-conversion.

Max Video Transmission

3840x2160 60fps 4:4:4 8b

HDMI

Outputs 1-2: supporting HDMI 2.0b resolutions including 3840x2160 60fps HDR.

HDBaseT

Outputs 3-6: HDBaseT (10.2Gb) @ 40m 4K/60 HDR | 70m/1080p.

Output 7-8: HDBaseT (10.2Gb) @ 70m 4K/60 HDR | 100m/1080p.

Max Pixel Clock

600MHz / 600Mcsc

HDR Compatibility

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

Scaler Function

4K to 1920x1080 progressive

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

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

Audio Outputs:

6no. 2ch variable line level stereo analog audio jack socket (mirrored to HDBaseT outputs).

COMMUNICATION & CONTROL

HDMI:

CEC, DDC

HDBaseT:

Supports CEC, DDC, RS-232 TXD, RXD and Infrared

RS-232:

Supports direct & routed RS-232 control, via a DB9 socket on the rear panel.

Zone RS-232 Serial interface (3-pin) via Phoenix-style, 3.5mm pitch male receptacle.

LAN:

Local discovery and API console via Netvio 360 & Netvio Go APP, 3rd-party integration via public API

EDID:

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

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.

ENVIRONMENTAL

Storage

20°C / +60°C | 20% - 90% RH

Operating

0°C / +40°C | 20% - 90% RH

OTHER INFORMATION

Power Supply:

External 24v PSU. supporting worldwide AC voltages (e.g. 120V/60 USA, 230V/50 UK)

FREE Software & Control

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

Netvio GO - Full spectrum AV control

Weights & Dimensions:

Rack Units: 2RU

Depth: 373mm

Height: 88mm

Weight: 6.9kg

Width: 440mm

In the Box:

Rack Ears

Remote Control

IR Accessories

Regionalised Power Lead

Phoenix Connectors

Regulations

Safety Approvals: CE, UKCA, FCC, RoSH

Warranty

5-Year standard warranty (*no registration required*)

10-Years for 10% price increment

NETVIO 360

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.



NETVIO GO

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.



Compatible Receivers *(Sold separately)*



RX-HT2-40-10

40m 4K/60 HDR
RS-232
Bi-Directional IR
Power over Cable (PoC)



RX-HT2-70-10

70m 4K/60 HDR
Ethernet LAN
ARC Capture (HDMI or S/PDIF)
RS-232, Bi-Directional IR
Power over Cable (PoC)