Chazy 4K Tx set up sheet

Code - TAV-CHAZY4K-TX
Name - CHAZY 4K TX
Description - HDMI 2.0 4K60 4:4:4 HDR AV over IP Low Latency Transmitter
Warranty - 5 Years
Barcode - 9309002545115

Key Features:

- Dante AV-A™ & JPEG 2000
- Dante AV-A™ licence included with 2x2 Dante audio
- 2160 60Hz 4:4:4 HDR
- PoE and 12V DC
- HDCP 2.2 & EDID Management
- 7.1ch Dolby Atomos Audio
- KVM and Video Wall up to 9x9
- Dual network ports
- TAA Compliant
- 5 Year Warranty

Chazy 4K Family overview

The Chazy 4K Family offers a comprehensive solution for professional AV installations, combining cutting-edge technology with unmatched flexibility. Chazy 4K has 5 models in the fam: Chazy 4K Tx, Chazy 4K Rx, Chazy 4K USB-C Tx, Chazy 4K Wallplate Tx, and Chazy Control.
The Chazy fam delivers 2160 60Hz 4:4:4 HDR video, Dante AV-A™ which includes a 2x2 Dante audio license, JPEG 2000, and 7.1ch Dolby Atmos audio support. Featuring advanced capabilities like KVM, video wall configurations up to 9x9, hardware scaling, EDID management, true multicast support, and dual network ports on the Chazy Control, Chazy Tx, and Chazy Rx to keep AV and Control separated, the Chazy 4K Family is built for scalable, reliable, and high-performance installations. Fully HDCP 2.2 compliant, and TAA compliant, it's the ultimate solution for corporate, educational, and entertainment environments. And to back all of these amazing features up, all Chazy 4K hardware comes with a 5-year warranty.

Chazy 4K Tx overview

The Chazy 4K Tx is a HDMI 2.0b Dante AV-A and JPEG 2000 encoder designed for delivering stunning 2160 60Hz 4:4:4 HDR video. The Dante AV-A license is included and ready to go, which also has 2x2 Dante audio license. Chazy 4K Tx is PoE powered and supports a wide range of audio formats including 7.1 Dolby Atomos, and features advanced capabilities like KVM, video wall configurations up to 9x9, hardware scaling, EDID management, HDCP 2.2, true multicast support, and dual network ports keep AV and Control separated. TAA compliant, Chazy 4K Tx also comes with a 5-year warranty.

Dante AV-A & JPEG 2000. Low latency besties.
Bridging the best of both worlds, Dante AV-A works seamlessly with Dante Controller for full routing ability, whilst JPEG 2000 is a visually lossless, super low latency video codec.

Dante AV-A included.
Chazy 4K Tx comes with the Dante AV-A licence included so there are no hidden costs and nothing left to do other than plug them in, and open up Dante Controller to start your routing.

Dante Audio. Included.
With the included Dante AV-A licence, the Chazy 4K Tx also includes 2x2 Dante Audio. Extract audio from an HDMI source and send it to external speakers via Dante's 2x2 audio channels.

Dante AV-A in hardware. A world first.
The optional Chazy Control box takes Dante Controller a step further by building it into hardware. The benefits of this include:

- No need to run any software
- You can now control your entire Dante network from any device with a web browser including iPad, Tablet, Smartphone.
- Control from Q-SYS, Crestron, and more using the free API.

Advanced EDID Management.
The Chazy 4K Tx simplifies connections with advanced EDID management, featuring automatic detection and the ability to load custom EDID tables directly through the WebGUI.

Hardware scaler built in.
The integrated hardware enables precise resolution matching and color space conversion between sources and displays eliminating issues with unsupported formats, scaling artifacts, or mismatched color profiles.

Audio. Audio. Audio.
7.1-channel Dolby Atmos.
Dolby TrueHD.
Dolby Digital Plus.
DTS-HD Master Audio.
ARC & eARC.
SPDIF connectivity.
Analog audio return via Phoenix Connectors.

And yes, Dante 2x2 Audio licence included so you can route any of the above to 2-channel Dante and vice versa.

Networking and Security. Keep the IT team happy.
Chazy 4K Tx features 2x Ethernet ports to allow total separation of control and video and audio streams.

HTTPS and SSH offers login security, while 256-bit AES encryption makes the video and audio streams totally secure.

KVM.
The Chazy 4K Tx supports independent routing of RS-232, USB KVM, and video/audio signals, enabling precise control of remote devices and peripherals. This functionality is suited for setups requiring separate management of control, data, and media streams within a unified system.

Videowall. Up to 9x9.
The Chazy 4K Tx, when teamed up with other members of the Chazy fam, supports videowall configurations up to 9x9, enabling a massive 81 displays to be configured as a single display.

Monitoring.
Real-time monitoring of each device including status, uptime, and network details such as IP and MAC addresses, and live video preview.

4:4:4 HDR.
Chazy 4K family supports 4:4:4 HDR from Tx to Rx to deliver brighter highlights, deeper shadows, and true-to-life colors for unmatched visual depth.

No fans. Only Fans.
The Chazy 4K family has no fans. All models are fan-less, totally silent, and without vibration. No fans. Only Fans.

TAA Compliant
Turtle AV products are TAA compliant, meeting U.S. government standards for procurement. This ensures they can be confidently used in federal contracts, adhering to strict ethical sourcing and manufacturing regulations.

5 Year Warranty with Advance Replacement
Turtle proudly offers a 5 Year warranty on our CHAZY 4K devices. Warranty is 5 years from date of purchase and we are also proud to offer a no hassle, no questions advance replacement warranty on all our products, including the CHAZY 4K. More information about our warranty at www.turtleav.com

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Technical Specifications

Technical

HDMI
2.0b compliant

HDCP
2.2 compliant

Video Bandwidth
18Gbps

Compression Codec
JPEG 2000 or Dante AV-A™

Network Bandwidth
1Gbps

USB Bandwidth
480Mbps

Color Depth
Input: 8/10/12-bit; Output: 8-bit

Colour Space
RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0

HDMI Audio Formats
LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-96/24, DTX-EX DSD, DTS High Res, DTS-HD Master

IR Level
Default 12V, Optional 5V

IR Frequence
Wideband 20K – 60KHz

ESD Protection
IEC 61000-4-2 ±8kV (air-gap discharge) & ±4kV (contact discharge)

Connections

Input
1x HDMI (Type A, 19-pin female)
1x L/R Audio (3-pin 3.81mm Phoenix connector)

Output
1x HDMI (Type A, 19-pin female)
1x L/R Audio (3-pin 3.81mm Phoenix connector)
1x SPDIF OUT (Optical)

Control
1x LAN (PoE IEEE 802.3af) RJ45 jack
1x LAN RJ45 jack
1x RS-232 (3-pin 3.81mm Phoenix connector)
1x USB 2.0 HOST (Type B, 4-pin female)
2x USB 2.0 DEVICE (Type A, 4-pin female)
2x RELAYS (3-pin 3.81mm Phoenix connector)
1x IR IN (3.5mm audio jack)
1x IR Out (3.5mm audio jack)

Mechanical

Housing
Metal enclosure

Color
Turtle Aqua

Dimensions
204mm [W] x 136mm [D] x 25.5mm [H]

Weight
631g

Power Supply
Input: AC100-240V 50/60Hz
Output: DC 12V/2.5A
PoE IEEE 802.3af

Power Consumption
8.52W

Operating Temperature
32 – 104° F / -20 – 60° C

Relative Humidity
20% – 90% RH (no condensing)