



Zenty | Professional A/V Solution Provider

User Manual [v1.0]



Modular Matrix 4K 30Hz HDBaseT Output Card 328ft.

ZT-202 | ZT-MOUTB430

ZENTY ®

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Table of Contents

| | |
|--|---|
| 1. Introduction | 3 |
| 2. Features..... | 3 |
| 3. Specifications | 3 |
| 4. PoC Setup..... | 4 |
| 5. Maintenance | 5 |
| 6. Warranty..... | 5 |
| 7. Mail-In Service..... | 5 |
| 8. Limited Warranty Limits and Exclusions..... | 5 |

1. Introduction

This is a 1-card 1-port 4K30 HDBaseT output card which is to be used with the Zenty chassis, including 9x9, 16x16, 18x18 and 36x36. It supports bi-directional IR and the RS232 transmission. It uses HDBaseT technology, so it can support PoC for the HDBaseT receivers. The distance can up to 230ft / 70m for 4K30 or 328ft / 100m for the 1080P.



2. Features

- Output resolution up to 4K30
- Supports HDBaseT output
- Distance up to 70m/220ft at 4K30 or 100m/330ft at 1080P over single Cat6/7
- Supports RS232, bi-directional IR
- PoC (Power over Cable) function

3. Specifications

| Audio and Video | |
|---------------------------------------|--|
| Outputs | 1 x HDBaseT Out: RJ-45 |
| Latency | 15 - 30ms |
| Audio Formats | 2ch PCM, DTS-HD Master, TrueHD |
| Video Resolutions and Cable Distances | 720 60Hz 12-bit: Up to 330ft. / 100m 1080P 30Hz 12-bit: Up to 330ft. / 100m 1080P 60Hz 12-bit: Up to 330ft. / 100m 2160P 20Hz 8-bit: Up to 220ft. / 70m |
| Standards / Protocol | HDCP 1.4 |
| Maximum Pixel Clock | HDMI: 296Mhz |

| Communication and Clock | |
|-------------------------|---|
| HDBaseT | HDMI, HDCP 1.4, EDID, PoH / PoC, Bi-directional IR, RS232 |
| IR | 1 x IR RX (3.5mm), 1 x IR TX (3.5mm) |
| RS232 | 3-Pin phoenix connector |
| Power | |
| Power Supply | Internal to / from matrix |
| PoH / PoC | 12V |
| Consumption | 3W with no PoC to transmitter 6W with PoC to transmitter |

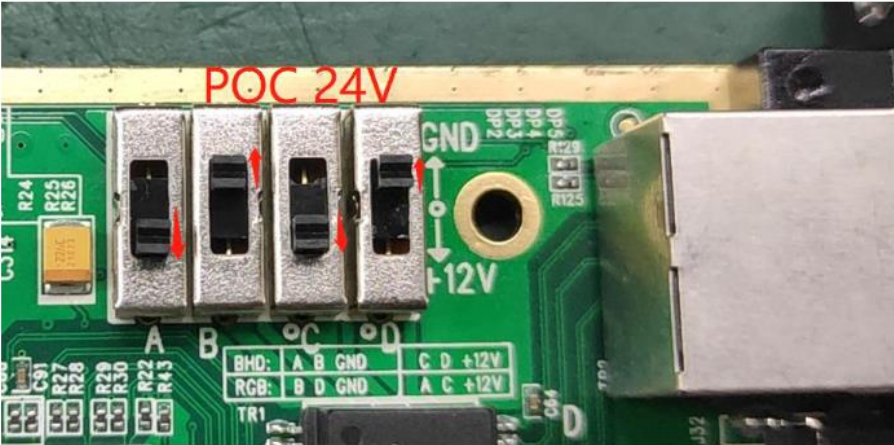
4. PoC Setup

There's a 4-pin black DIP on the HDBaseT card, it's able to set up the POC function as 12V, 24V and POC function off.

Set POC to 12V: Have the DIP switch A & B up, and the C & D to down position.



Set POC to 24V: Have the DIP switch A & C down, and the B & D to up position.



POC function OFF: Have the 4-pin DIP switch set to the middle position.



5. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzene to clean.

6. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (5) Years”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

7. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

8. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer

controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.



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