ZENTY ZT-MC80 Modular Matrix 80×80 Chassis User Manual

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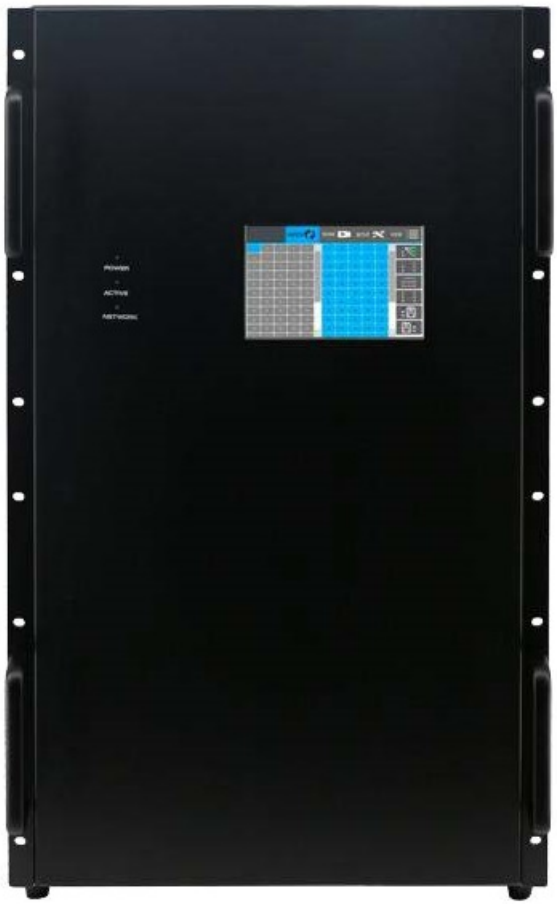
ZENTY ZT-MC80 Modular Matrix 80×80 Chassis



Product Description

The Zenty 80×80 Modular Matrix System Chassis is a professional A/V solution that provides a versatile input and output protocol standard. It features a 1-card 4-port input and a 1-card 4-port output, supporting various video formats such as DVI, HDMI, VGA, CVBS, YPbPr, SDI, HDBaseT, and Fiber. It is compatible with HDMI 1.4, HDMI 2.0, DVI 1.0, HDCP 1.4, and HDCP 2.2 protocols.

Product Specifications:

- **Color Space:** [Not specified]
- **Resolution:** [Not specified]
- **Distance:** [Not specified]
- **Control:** [Not specified]
- **Power Consumption:** [Not specified]
- **Dimensions:** [Not specified]
- **Weight:** [Not specified]
- **Work Temperature:** [Not specified]
- **Storage Temperature:** [Not specified]

Product Usage Instructions

To clean the unit, use a soft, dry cloth. Do not use alcohol, paint thinner, or benzine for cleaning.

If your product experiences any defects in materials or workmanship, it is covered under the Limited Warranty for a period of 5 years from the date of original purchase. During the warranty period, the warrantor will either repair the product with new or refurbished parts or replace it with a new or 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. To avail of the warranty service, you must mail-in your product during the warranty period. Please keep your purchase receipt or any other proof of the original purchase date for Limited Warranty service.

If you need to ship the unit for repair or replacement, ensure that it is carefully packed and sent prepaid, adequately insured, and preferably in the original carton. Include a detailed letter explaining the complaint and provide a daytime phone number and/or email address where you can be reached.

For more information, please visit our website **www.zenty.com** or contact us at:

- **Phone:** (844) 200-1945
- **Email:** **support@zenty.com**
- **Email:** **sales@zenty.com**.

Introduction

The Zenty ZT-MC80 is a modular matrix switcher supporting 80 input slots and 80 output slots. All input and output cards use 1-card 4-port, and the signals include DVI, HDMI, HDBaseT, Fiber Optic, and 3G-SDI. Users are able to have mixed signal inputs and mixed signal outputs. Unique signal links shielding design technology ensures that signal completeness and the internal data switch has a strong capacity of resisting disturbance ensuring a stable workability. Also supported is dual LAN and RS232 backup control, making it easy for users to control via PC, iPad, Mobile App, and 3rd party control systems via RS232 control commands.

Features

- Modular design chassis with 80 input and 80 output slots
- Supports 1-card 4-port cards
- 1080P, 4K 30Hz, 4K 60Hz cards available for selection
- DVI-I / HDMI / 3G-SDI / HDBaseT / Fiber Optic compatible
- Supports video wall and seamless switching with 1080P and 4K 60Hz cards
- 3.5mm audio embedding and de-embedding function
- Up/Down scaling function via the DIP switch
- Dual LAN and RS232 ports for backup control
- WebGUI, Mobile App, 7” touch screen, RS232 commands for control
- Auto-saving protection and auto-recovery function in case of power outage

Specifications

Description	80×80 Modular Matrix System Chassis
Input	1-card 4-port input. Supports DVI / HDMI / VGA/ CVBS / YPbPr / SDI / HDBaseT / Fiber
Output	1-card 4-port output. Supports DVI / HDMI / VGA / CVBS / YPbPr / SDI / HDBaseT / Fiber
Protocol Standard	HDMI 1.4, 2.0 | DVI 1.0 | HDCP 1.4, 2.2

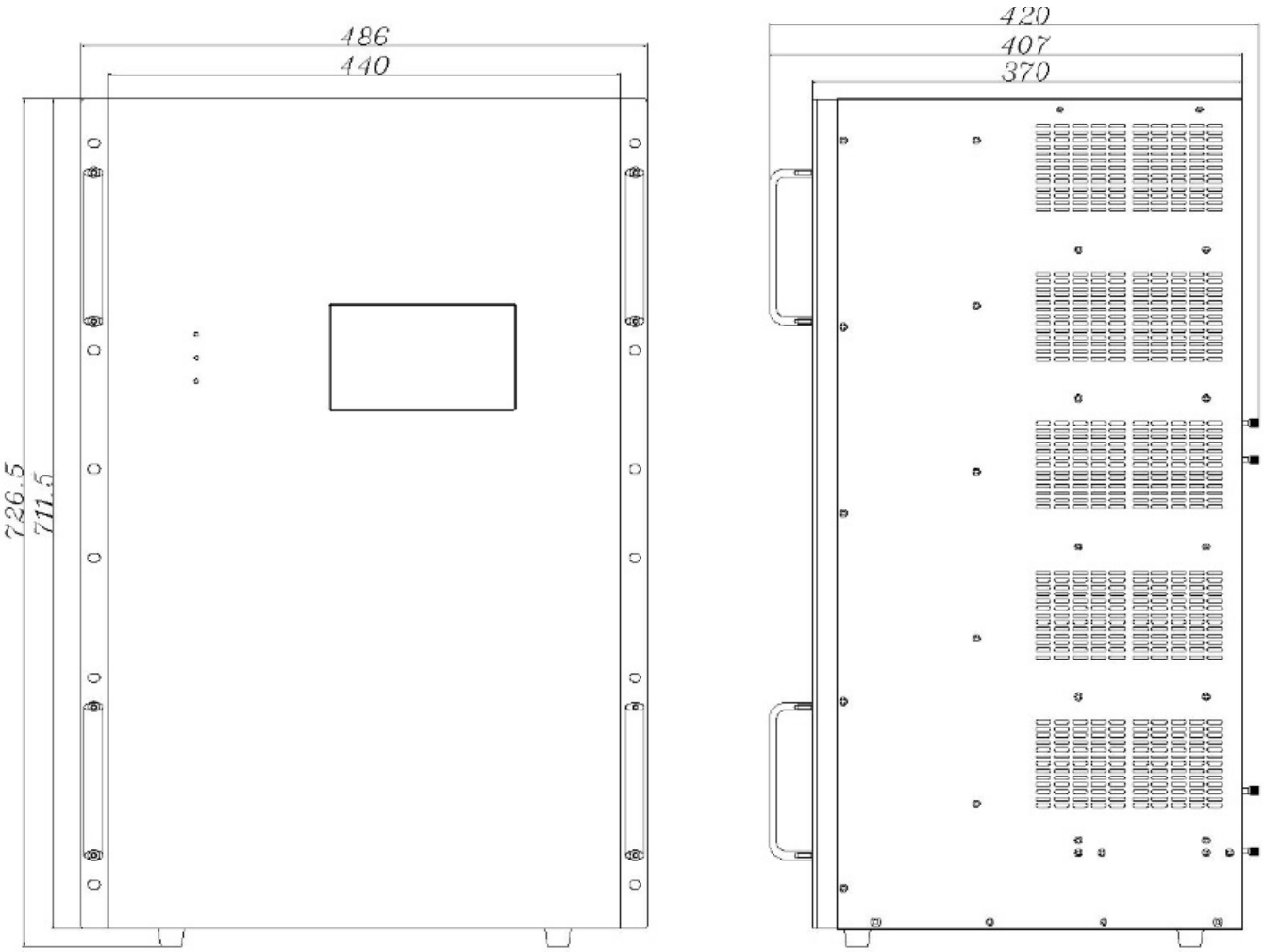
Color Space	RGB 4:4:4, YUV 4:4:4, YUV 4:2:2, x.v.C standard color extension
Resolution	640*480 – 3840*2160 @ 60Hz (VESA) 480i – 4K 60Hz (HDTV)
Distance	HDMI/DVI: 15m/40ft HDBaseT: 70m/220Ft. Fiber: 2km/6000Ft.
Control	iOS / Android App, WebGUI, RS232, 7” color touchscreen
Power	AC: 110V – 240V 50/60Hz
Consumption	180W (No Cards)
Dimensions	16U, 482mm x 390mm x 726mm 18.97” x 15.35” x 28.58”
Weight	28kg/61.7294lbs (No Cards)
Work Temperature	0°C ~ 50°C
Storage Temperature	-20° ~ 55°C

Input and Output Cards

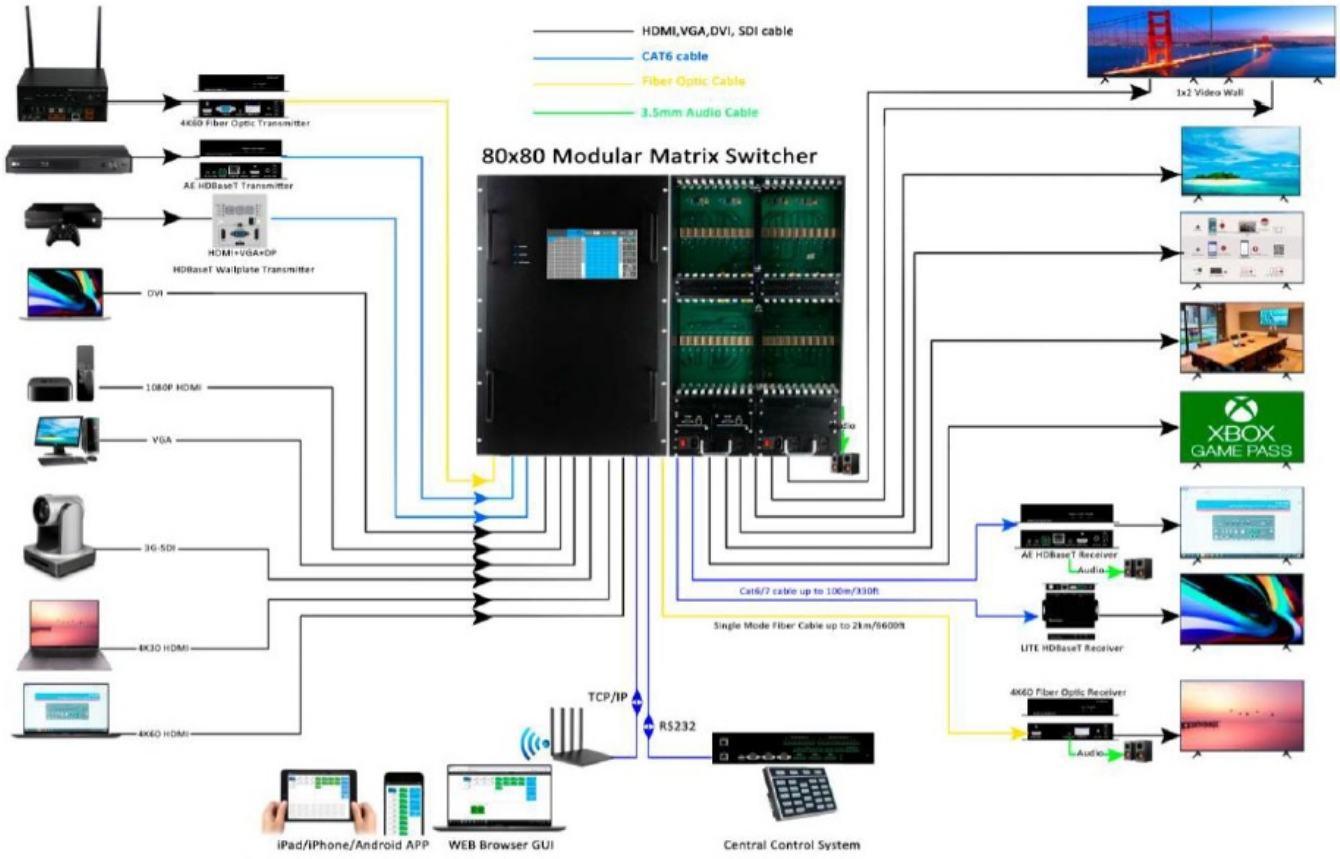
1080P cards			
1080p SVM input cards	4-port 1080P MAV(DVI-I) input card	FM-IN-SVM-MAV	
	4-port 1080P HDMI input with audio in	FM-IN-SVM-HD	
	4-port 1080P VGA input with audio in	FM-IN-SVM-VGA	
	4-port 1080P CVBS input with audio in	FM-IN-SVM-CVBS	
	4-port 1080P SDI input with audio in	FM-IN-SVM-3GSDI-TW	
	2-port SDI+2-port HDMI input card	FM-IN-SVM-2S2H	
	4-port 1080P 70m/220ft HDBaseT input card with RS232/audio out	FM-IN-SVM-HDBT-70	
	4-port 1080P 100m/330ft HDBaseT input card with RS232/audio out	FM-IN-SVM-HDBT-100	
1080p SVM Output cards	4-port 1080P HDMI output card with audio out	FM-OUT-SVM-HD	
	4-port 1080P DVI output card	FM-OUT-SVM-DVI	
	4-port 1080P VGA output card with audio out	FM-OUT-SVM-VGA	
	4-port 1080P CVBS output card with audio out	FM-OUT-SVM-CVBS	
	4-port 1080P SDI output card with audio out	FM-OUT-SVM-3GSDI	
	4-port 1080P 70m/220ft HDBaseT Output card with audio out	FM-OUT-SVM-HDBT-70	
	4-port 1080P 100m/330ft HDBaseT output card with audio out	FM-OUT-SVM-HDBT-100	

4K60 cards			
4K60 HDR	4-port HDR 4k60 HDMI input card with audio In	FM-IN-HD-4K60	
	4-port HDR 4k60 HDMI output card with audio out	FM-OUT-HD-4K60	
4K60 SVM	4-port PTP 4k60 HDMI input card with audio In	FM-IN-SVM-HD-4K60	
	4-port PTP 4k60 HDMI output card with audio out and video wall	FM-OUT-SVM-HD-4K60	
Function cards			
Functional cards	4-port H.264/265 decoding card	FM-IN-IP	
	1-port H.264/265 encoding card	FM-OUT-IP	
	1-port 4K60 quad-view output card with USB capture	FM-OUT-QUVC-4K60	
	WEB-Based Control card	FM-CONTROL	

Product Dimensions mm



Connection Diagram



Maintenance

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

Warranty

If your product does not work properly because of a defect in materials of 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.

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.

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 CONSEQUENTAIL 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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Documents / Resources

	ZENTY ZT-MC80 Modular Matrix 80x80 Chassis [pdf] User Manual ZT-MC80 Modular Matrix 80x80 Chassis, ZT-MC80, Modular Matrix 80x80 Chassis, Matrix 80x 80 Chassis, 80x80 Chassis, Chassis

References

- Zenty - The AV Technology Leader

Manuals+,