BZBGEAR

HDP-MX3636M
36X36 Modular Matrix Routing Switch With Scaler

- ## Product Brief

HDP-MX3636M is a multi-format HDMI Matrix Switcher with 36 input port to receive sources signals and 36 output port to transmit to display device. The product along with standard 8U structure design and dual power input Adopts the back plug-in structure, each card supports two input or output signals, each channel's resolution up to 4K@60Hz. There is a OLD on the front panel to show status of channel when do switching.It can be controlled by front panel button, RS-232, TCP/IP. This product is a great matching for conference Room, auditorium, training room, monitoring Room, and Command Centers.

- ## Product picture

Front panel:

Real Panel:

Whole machine drawing：

Input and output card diagrams：
DVI-U input、output card

HDBT input、output card

SDI input、output card

VGAinput、output card

HDMI input、output card

- ## Feature

- Seamless multi-format matrix, no black screen, card screen, jitter, tear phenomenon in the switching process；
- Suppor transformation function of input signal and resolution-control by software；
- OSD character overlay function, font, color, size can be

adjusted；

- HDBT board supports resolution up to 1080P with 100M extension, HDBT output SCALER only supports resolution of 1080P；
- The output card can be configured to Stitching screen mode in 1X2, 2X2, 2X3 or 2x4 spliced screen mode；
- Support input/output with audio ,and Audio embedding and de-embedding；
- HDMI/DVI EDID is configurable；
- Support power-down memory function；
- Supports on-panel button,RS-232,TCP/IP control；
- Dual power supply , Design of standard 8U chassis；

• **Parameter**

Parameter

Input

Interface type

HDBaseT，HDMI/DVI，3G/HD/SD-SDI，VGA，YPbPr，CVBS

Signal and Interface Standards

HDMI 2.0
HDMI port
HDMI 2.0, Reso up to 4K@60Hz 4：4：4

HDMI1.3
HDMI port
HDMI V1.3A,Reso up to1080P@60

HDMI
DVI-U port
HDMI V1.3A,Reso up to1080P@60

DVI
DVI-U port
DVI 1.0,Reso up to1920x1080

VGA
DVI-U port
Reso up to 1920x1080

YPbPr
DVI-U port
Reso up to 1080p60

CVBS
DVI-U port
PAL，NTSC

SDI
BNC port
Reso up to 1080p60

VGA
VGA-DB15
Reso up to 1920x1080

HDbaseT
RJ45 port
Reso up to1920x1080

output

Inteface type

HDbaseT，HDMI/DVI，3G/HD/SD-SDI，VGA，YPbPr，CVBS etc

Signal and Connection Standards

HDMI 2.0
HDMI port
HDMI 2.0，Reso up to 4K@60，4：4：4

HDMI1.3
 HDMI port
HDMI V1.3A，Reso up to 1920x1080

HDMI
 DVI-U port
HDMI V1.3A，Reso up to 1920x1080

DVI
DVI-U port

DVI 1.0,Reso up to 1920x1080

VGA
DVI-U port
Reso up to 1920x1080

YPbPr
DVI-U port
Reso up to 1080p60

CVBS
DVI-U port
PAL/NTSC

SDI
BNC port
Reso up to 1080p60

VGA
VGA-DB15
Reso up to 1920x1080

HDbaseT
RJ45 port
Reso up to 1920x1080

Control

Serial control

RS-232 direct connection type
D-sub 9
Buad rate：9600

Network control

Fixed IP address

ESD Protect

±8kV (Air-gap discharge) , ±4kV (Contact discharge)

Power

AC

AC110～240VAC，50/60Hz

Power consumption

60W—160W

Temp

Operating temp

32 - 104°F / 0 - 40°C

Storage Temp

-4 - 140°F / -20 - 60°C

Humity

Humity

20 - 90% RH (no-condensation)

Housing

Housing

Metal
Color
Color
Silver gray

Size

W*D*H

483（mm）×365（mm）×360（mm）

- ## **Connection Diagram**

- ## **Application**

- Multimedia Conference Hall

- Television Teaching

- The large screen projection

Mission Statement

BZB Gear manifests from the competitive nature of the audiovisual industry to innovate while keeping the customer in mind. AV solutions can cost a pretty penny, and new technology only adds to it. We believe everyone deserves to see, hear, and feel the advancements made in today's AV world without having to break the bank. BZB Gear is the solution for small to medium-sized applications requiring the latest professional products in AV.

We live in a DIY era where resources are abundant on the internet. With that in mind, our team offers system design consultation and expert tech support seven days a week for the products in our BZB Gear catalog. You'll notice comparably lower prices with

BZB Gear solutions, but the quality of the products is on par with the top brands in the industry. The unparalleled support from our team is our way of showing we care for every one of our customers. Whether you're an integrator, home theater enthusiast, or a do-it-yourselfer, BZB Gear offers the solutions to allow you to focus on your project and not your budget.

Warranty Information

BZB Gear | Second Year Assurance

BZB Gear wants to assure you peace of mind. We're so confident in the quality of our products that along with the manufacturer's one-year limited warranty, we are offering free second-year warranty coverage upon registration*!

Taking advantage of this program is simple, just follow the steps below:

1. Register your product within 90 days of purchase by visiting BZBGear.com/warranty.

2. Complete the registration form. Provide all necessary proof of purchase details, including serial number and a copy of your sales receipt.

For questions, please call 1.888.660.2962 or email support@bzbgear.com.

For complete warranty information, please visit BZBGear.com/warranty or scan the QR code below.

*Terms and conditions apply. Registration is required.