

6bus x 21 zone A/V matrix system

# 500 SERIES RACK SYSTEM



# System Features



## 6BUS AV matrix system

Realizing multi BUS (6BUS)

Sound : 8 BGM input, 6BUS, 21 zone audio matrix system

Picture : 8 input, 6BUS, 21 zone video matrix system linked sound

Free AMP function : Input 5 channel MIC, select MIC mix on/off of each BUS

Possible to expand



## Local control system

Possible local broadcasting (MIC & line input)

& Local control (select BUS & volume control)



## AV total control system

Use multi channel (7+1 channel 3 module, total 21+3 channel) modular digital AMP

Operating & Design in analogue mode



## Network control system

Possible to remote control and monitor through PC & Network

(Power on/off, volume up/down, select BGM, etc.)

# System Main Features

- **Manipulation Function Convenient for User**

Easy construction of broadcasting environment with convenient manipulation function for everybody to easily understand broadcasting flow

- **A/V integration multimedia solution**

Space saving effect with data control and flexible system construction at various environments

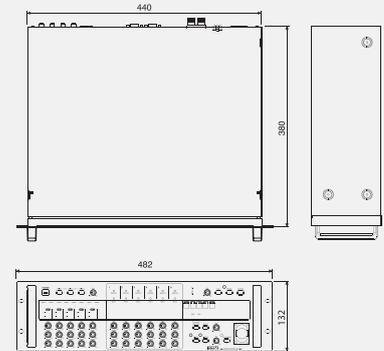
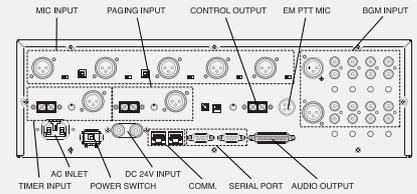
# System Main Features

- 6 bus system to 8BGM input, 6BUS x 21ZONE MATRIX output
- Simple expansion using Z-500, Scalability of 6x21, 6x42, 6x63,..., 6x21^N
- LOCAL broadcasting at all zones
- Integrated system where A/V is linked and controlled
- Simple construction using a CAT-5 line
- System without a separate power supply (RM-500, L-500)
- Easy I/O status check with monitoring function
- Remote control through Ethernet
- Remote control of broadcasting channel and volume using a L-500
- User friendly design with analog control method

# C-500 Main System Controller



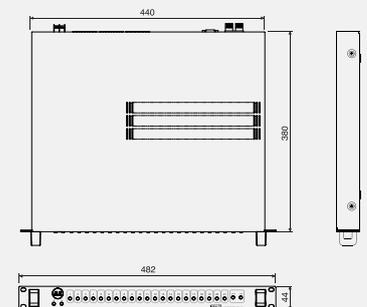
- 8 BGM Inputs / 6 Bus Output Matrix
- Inbuilt Monitor Loudspeaker
- Clear LED/LCD Status Indicators
- Priority Broadcast Options (EM → Fire → Timer → Paging → RM 1-4 → LOCAL → BGM)
- Remote Operation Control Via RS 232C
- Inbuilt EM Microphone.
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption : 22W
- Weight : 3.8kg / 9.3lb
- Dimensions (W×H×D) : 482×132×380mm / 19×5.2×15in



# F-500 Fire Sencor Receiver



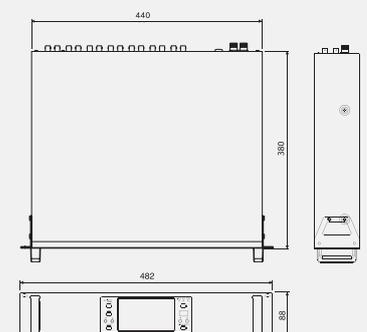
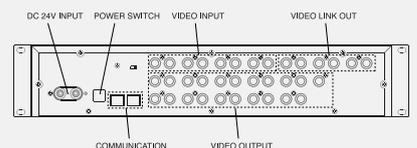
- Activated Via DC Voltage
- Status Display Function
- Macro Save Function
- DEMO Function
- Fire Alarm Display
- Safety Design for Preventing Malfunction
- Emergency Contact Terminal for Emergency Link
- Broadcasting Zone Link Function
- Store Information Protective Function
- Power Source : DC 24V
- Weight : 2kg / 4.4lb
- Dimensions (W×H×D) : 482×44×380mm / 19×1.73×15in



# V-500 Video Matrix System



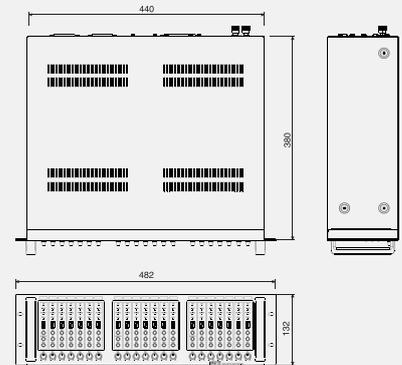
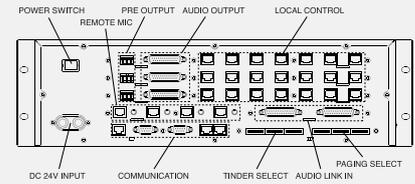
- 8 Input 6 BUS 21 Out Channel Video Matrix Switch
- Select 8 Videos Input / 6 BUS Videos Input
- Select 8 Channel Video Input / 6 BUS Video Input
- 6 BUS Video Links Output
- 21 Zone Videos Output
- RS-422C Post : Select C-500 BUS Output
- RS-232C Post : Select Z-500 Video Output
- Power Source : DC 24V
- Weight : 3kg / 6.6lb
- Dimensions (W×H×D) : 482×88×380mm / 19×3.5×15in



# Z-500 Zone Output Selector



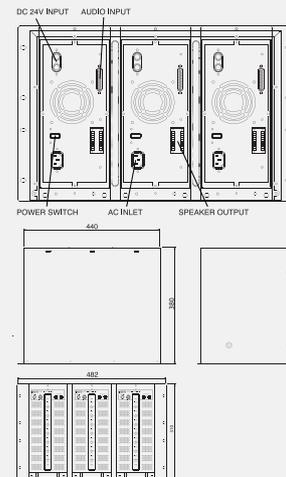
- 6 Input 21 Output Matrix
- Allocate BGM Source to Desired Output Zone
- Clear LED/LCD Visual Display Shows Status of Each Area/Zone
- Interface for Remote Zone Controllers L-500(21 Zones)
- Interface for Remote Paging Microphones RM-500(4 No.)
- Interface for Video Matrix V-500
- Adoption of RS-422 / RS-232 communication method supporting long distance
- Convenient connection with 7-Ch power AMP with adoption of lump-sum output terminal
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimensions (W×H×D) : 482×132×380mm / 19×5.2×15in



# A-500 Main System Controller



- Digital Amplifier Block
- 7 x 30W(100V / 70V)
- 1 x Spare Amplifier Channel
- Channel Monitor Output
- Signal & Status LED Indicators
- Comprehensive Protection Circuits
- Adoption of stable SMPS (switching mode power supply)
- Operation of DC 24V battery power during emergency
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption : 70W
- Weight : 8.5kg / 18.7lb(Module)
- Dimensions (W×H×D) : 482(with MB-500)×310×380mm / 19×12.2×15in



# L-500 Local Control With Audio In



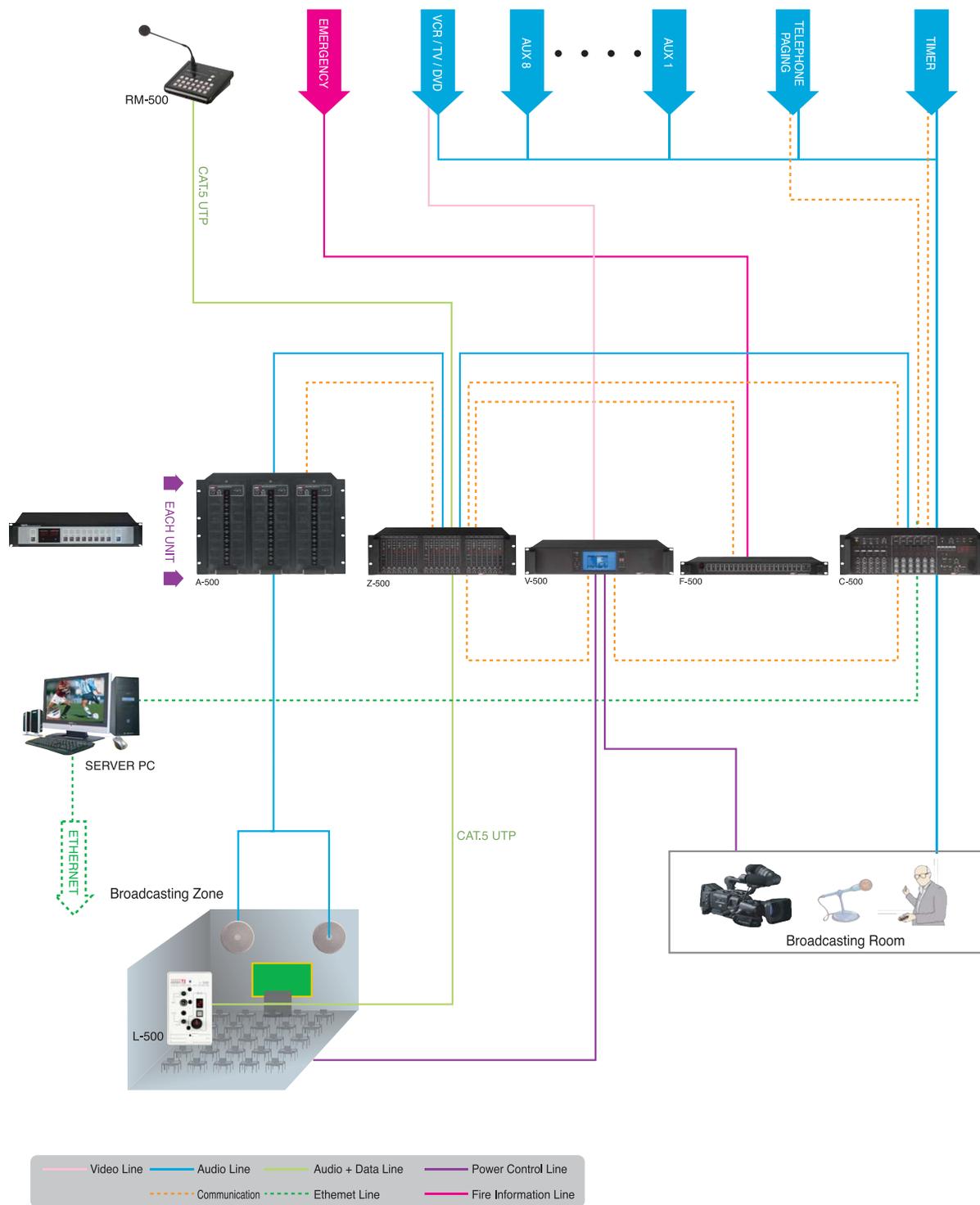
- Remote Control of Zone Volume and Selection of BGM Source
- Independent Local MIC and BGM Inputs
- Source Designation
- Convenient Installation and Construction without ID Setting(Auto Addressing)
- RS-422 Communication between L-500 and Z-500
- Weight : 1.6kg / 3.5lb
- Dimensions (W×H×D) : 70×114×60mm / 2.8×4.5×2.4in



# RM-500 Remote Mic Station

- Convenient Priority Broadcasting
- Convenient Installation and Construction without ID Setting
- RS-422 Communication between RM-500 and Z-500
- 21 Zone Paging Selection
- Output Signal Level Display
- Multi Chime Options
- Weight : 1.6kg / 3.5lb
- Dimensions (W×H×D) : 200×206×70mm / 7.9×8.1×2.8in

# System Configuration



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**RoHS(Restriction of Hazardous Substances)** : The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

**Inter·M Corporation**

※ Specifications and design subject to change without notice.

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