

# iX Mate™

MultiWay Digital and Analog Distribution Amplifier with 5 Channels of:  
1 Input to 3 Amplified Outputs

**Model. XM513**



## Technical Specifications

### DVI Channel x 1

- 1 input to 3 outputs
- 4 x DVI-I female connectors
- Up to 1600x1200@60Hz-1920x1200@60Hz Red. Blanking
- Support HDTV Formats: 1080i/p, 720p.
- DVI-D TMDS Single Link - 165MHz reclocked
- DDC2 loophrough on output 1

### SD/HD-SDI Channels x 2

- Each channel is:
- 1 input to 3 outputs
  - 4 x BNC connectors
  - Format: TV 525i, 625i – HDTV 1080i/p/sF, 720p
  - Digital YUV – 4:2:2 – 10 bits
  - 270MHz / 1.5GHz
  - Equalizer & re-clocked

### RGB HV Channels x 2

- Each channel is:
- 1 input to 3 outputs
  - 4 x HD15 female connectors
  - YUV, RGB HV, RGB/S, RGB, Y/C, Composite, HD-YUV, HD-RGB compatible
  - Line frequency: 15 kHz up to 130 kHz
  - Frame frequency: 24 Hz up to 130 Hz
  - Bandwidth: 400 MHz (-3dB)
  - Signals: RGB/YUV: 0.7V up to 1 Vp/p
  - H/ Composite sync. and V sync: TTL
  - 2 and 3 levels sync. (HD) compatible
  - DDC2 loophrough on output 1

### User Controls

#### Rear panel

- On/Off Power Switch

#### Front panel

- Power On LED indicator
- Input signal detected LED indicator for each input
- Output load LED indicator for each output

### Power Supply

- Internal, universal, automatic, 100/250VAC, 50/60 Hz, 20 W

### Supplied with

- 1 x Power cable
- 1 x User manual

### Dimensions: 19" compatible, 1 unit

- D 7.5" x W 19" x H 1.74"
- D 190 mm x W 482 mm x H 44 mm

### Weight: 2.5 kg (5.5 lbs)

### Warranty

3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

**iX Mate™** by Analog Way is a **Multiway Universal Analog and Digital Distribution Amplifier** with 5 channels {1 input to 3 outputs} for DVI, SD/HD-SDI and all Analog signals. Designed for and compatible with the **iX Range**, **iX Mate** will secure your complete installation.

**iX Mate** will considerably accelerate the set up time of multi-**iX** products configuration especially in case of multi-screen applications with or without Edge Blending, as it completely avoid any matrix switching and associated control.

**iX Mate** distributes and amplifies any Computer, HDTV and Video source, whether Analog or Digital, from an HD camera, DVD player, PC, workstation, digital Video player, etc...

Each DA offers the latest technology: Full re-synchronization of SD/HD-SDI signals, DVI-D and RGB HV up to UXGA with DDC transmissions on output 1.

**iX Mate** is ideal for any applications using both Analog and Digital signals.

LED indicators for input signal and output load detection



DVI channel  
1 input to 3 outputs

2 RGB HV channels with 1 input  
to 3 outputs each

2 SD/HD-SDI channels with  
1 input to 3 outputs each



## Features

- DVI-D, SD/HD-SDI, Universal for PC, TV & HDTV
- 5 Distribution Amplifiers of 1 input to 3 outputs:
  - 1 DVI-D re-clocked up to 1600x1200@60Hz
  - 2 SD/HD-SDI with Equalizer and re-clocking
  - 2 RGBHV / YUV / Composite / Y/C
- I/O detect LED indicators on front panel
- Distributes simultaneously sources to any Switcher of the **iX**, **Octo** and **Quattro** Ranges
- Internal power supply
- For Broadcast Environment and AV Pro presentation

## Reference

**XM513:** iX Mate™

## Cables for iX Mate

- > VGA Cables from 0.4m / 1ft to 1.8m / 6ft M/F et M/M
- > Multicoax Extension Cables from 3m / 10ft to 30m / 100ft
- > VGA/BNC Adaptor Cables from 1.8m / 6ft to 3m / 10ft > BNC Cables from 1,8m / 6ft to 20m / 66ft
- > DVI Cables from 1.8m / 6ft to **70m / 230ft**
- > BNC SDI-HD M/M Cables from 3m / 10ft to 30m / 100ft M/M



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