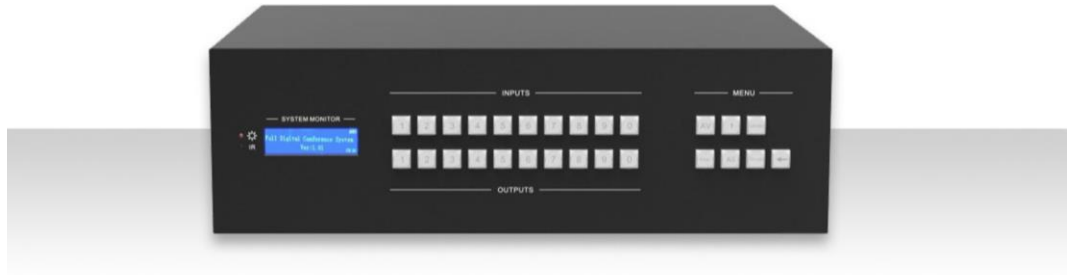## Modular 16X16 Seamless DVI Matrix Switcher w/TCP/IP RS232 Control
## SKU: BG-MS-16X16-DVI

The BG-MS-16X16-DVI is a high-performance video and audio modular matrix switcher supporting max 16 input signal sources and 16 output display synchronously. The BG-MS-16X16-DVI has 4 seamless DVI-I input card with 4 DVI ports on each and 4 seamless DVI output card with 4 DVI ports per each card. This will give you a 16 ports DVI-I inputs and 16 DVI out put port. In additional, the BG-MS-16X16-DVI supports different video signals with cross switching. Every video or audio signal is transmitted and switched independently to decrease signal attenuation. The matrix supports various changeable cards including HMDI, DVI, VGA, SDI and HDBaseT.

Users can choose to insert different signal card for different application. The matrix boasts power off memory and audio signal can be switched separately or jointly with video signal. It has 1 RS232 port and 1 optional TCP/IP port for convenient control from third party with its flexible design, the matrix can be used for different project and t end to be an all in one solution. It is the combo solution for multimedia conference rooms, control rooms, broadcasting rooms, shopping center etc. It will handle all the audiovisual management, including the switching, driving, scaling etc.

Features

- Modular chassis with configurable I/O slots, ranging from 4x4 to 16x16.
- Various I/O cards, includes HDMI, HDBaseT, SD/HD/3G-SDI, DVI and VGA cards (Compatible with YUV, YC & CVBS.) to configure any matrix.
- Truly cross-point switching, any input to any output, regardless signal format.
- Supports HDMI1.4a, 3D.
- Integrated HDBaseT technology.
- Controllable via button, RS232 & optional TCP/IP, also compatible with 3rd parties control.
- HDCP compliant.
- LCD display.
- Supports seamless switching, it can be used in combination with other seamless output signal card.
- Supports embedded EDID management and DDC channel.
- Supports NTSC or PAL
- Manually select VGA (RGBHV), YPbPr, or C-VIDEO signal format.

Pin Layout of the DVI-I connector (Dual-Link). (Female)
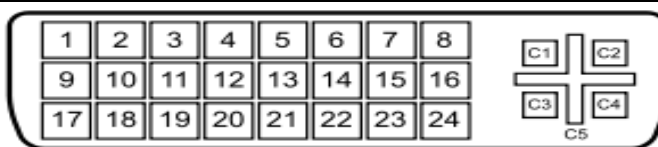
Pin	Function	Pin	Function
1	T.M.D.S.Data2-	13	T.M.D.S.Data3+
2	T.M.D.S.Data2+	14	+5V Power
3	T.M.D.S. Data 2/4 Shield	15	Ground (return for +5V, Hsync and Vsync)
4	T.M.D.S. Data 4-	16	Hot Plug Detect
5	T.M.D.S. Data 4+	17	T.M.D.S. Data 0-
6	DDC Clock	18	T.M.D.S. Data 0+
7	DDC Data	19	T.M.D.S. Data 0/5 Shield
8	Analog Vertical Sync	20	T.M.D.S.Data5-
9	T.M.D.S.Data1-	21	T.M.D.S.Data5+
10	T.M.D.S.Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S.Data1/3 Shield	23	T.M.D. S. Clock +
12	T.M.D.S.Data3-	13	T.M.D.S.Data3+
C1	RED	C2	Analog Green
C3	Analog Blue	C4	Horizontal Sync Analog
C5	GND		