

## OT6147 HYBRID MATRIX SYSTEM



### PRODUCT DESCRIPTION:

THE HYBRID MATRIX SYSTEM IS A FLEXIBLY CONFIGURED SPLICING AND SEAMLESS MATRIX. THIS SERIES OF MATRICES ADOPTS HIGH-PERFORMANCE HARDWARE DESIGN, PERFECTLY SUPPORTING VARIOUS HIGH-DEFINITION DIGITAL/ANALOG SIGNAL SWITCHING AND PROCESSING, AS WELL AS BIDIRECTIONAL RS-232 AND BIDIRECTIONAL IR SIGNAL DISTRIBUTION AND SWITCHING FUNCTIONS. IT CAN ALSO DIVIDE A COMPLETE IMAGE SIGNAL INTO MULTIPLE SIGNALS AND DISTRIBUTE THEM TO MULTIPLE DISPLAY UNITS, SIMULTANEOUSLY FORMING A LARGE DISPLAY SCREEN TO PRESENT DYNAMIC IMAGES. IT PROVIDES A ONE-STOP SOLUTION FOR MULTI-INDUSTRY VIDEO AND CONTROL SIGNAL DISTRIBUTION AND SWITCHING PROCESSING, WIDELY APPLICABLE IN BROADCASTING AND TELEVISION ENGINEERING, MULTIMEDIA CONFERENCE HALLS, LARGE-SCREEN DISPLAY PROJECTS, TELEVISION TEACHING, INTELLIGENT TRAFFIC MANAGEMENT CENTERS, COMMAND AND CONTROL CENTERS, AND OTHER VENUES.

### FEATURES:

- A MODULAR MATRIX HOST WITH CONFIGURABLE INPUT/OUTPUT SIGNAL CARDS.
- SUPPORTS ARBITRARY INPUT/OUTPUT SIGNAL CARDS FOR HDMI, DVI, VGA, SDI, HDBASET, AND OPTICAL FIBER, ENHANCING SYSTEM FLEXIBILITY. THE DVI INPUT CARD IS COMPATIBLE WITH CVBS, YUV, AND S-VIDEO SIGNALS, WHILE THE VGA INPUT/OUTPUT CARDS ARE COMPATIBLE WITH CVBS, YUV, AND S-VIDEO.
- SUPPORTS A MAXIMUM RESOLUTION OF 4K×2K.
- CUSTOM CONFIGURATIONS OF IDENTICAL OR DIFFERENT INPUT/OUTPUT CARDS CAN FORM MATRICES WITH SINGLE OR MULTIPLE INTERFACE TYPES, SUCH AS HDMI MATRIX, DVI MATRIX, VGA MATRIX, YUV MATRIX, VIDEO MATRIX, ETC.
- FEATURES SEAMLESS SWITCHING FUNCTIONALITY WITH NO BLACK SCREEN DURING TRANSITIONS.
- THE CONTROL METHOD IS FLEXIBLE, FEATURING 1 RS-232 PORT, 1 RS-485 PORT, AND 1 NETWORK PORT, WITH SUPPORT FOR EXTERNAL PANEL CONTROL INTERFACES.
- THE FRONT PANEL SUPPORTS BUTTON CONTROL AND LCD STATUS DISPLAY, ENABLING DIRECT VIEWING AND MODIFICATION OF IP INFORMATION.
- IT SUPPORTS SYNCHRONOUS SWITCHING OF AUDIO AND VIDEO SIGNALS WITH FAST RESPONSE TIME.

- ANALOG AUDIO AND HDMI-EMBEDDED AUDIO CAN BE OUTPUT SIMULTANEOUSLY. BOTH ANALOG AUDIO AND HDMI-EMBEDDED AUDIO CAN BE SELECTED AS INPUT SOURCES. HDBASET INPUT/OUTPUT SIGNALS SUPPORT BIDIRECTIONAL RS-232 AND BIDIRECTIONAL IR SIGNAL TRANSMISSION, ALLOWING RS-232 AND IR SIGNALS TO EITHER FOLLOW VIDEO SIGNAL SWITCHING OR OPERATE IN SEPARATE SWITCHING MODES, WHILE ALSO SUPPORTING POC EXTERNAL POWER SUPPLY. INTELLIGENT TEMPERATURE CONTROL IS AVAILABLE TO MANAGE THE OPERATION OF THE MATRIX FAN. POWER-OFF MEMORY FUNCTION IS SUPPORTED TO AVOID REPEATED SETUP ACTIONS AFTER POWER FAILURE. MULTIPLE PRESET SWITCHING COMMANDS CAN BE STORED IN THE SYSTEM FOR ONE-KEY RECALL. OPTIONAL KVM TRANSMISSION FUNCTION IS SUPPORTED, ENABLING REMOTE CONTROL OF COMPUTER ROOM PCS VIA A SINGLE KEYBOARD AND MOUSE.

## SPECIFICATIONS:

Model	OT6147
Maximum Number of Input Cards/Input Channels	2 sheets/8 channels
Maximum Number of Output Cards/Output Channels that can be connected	2 sheets/8 channels
Number of Accessible Control Cards	1 piece
Interface Bandwidth	10.2Gbps
Serial Control Interface	RS-232, 9-pin female D-sub connector, RS-232, 9-pin male D-sub connector
Full Load Power Consumption (without board)	18W
RS-485 Control Interface (optional)	4-position 3.8mm Phoenix connector, used in conjunction with expansion keyboard KB100.
Ethernet Control Interface (optional)	RJ-45 female connector
Power Supply	100VAC~240VAC, 50/60Hz
Storage and Usage Temperature	-20°C~+70°C
Dimensions (Length x Width x Height)	483x400x88mm
Product Weight	5KG