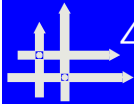


MX44B3



4 IN - 5 OUT MATRIX SWITCHER YUV & Stereo Audio



FRONT PANEL
(MOD. MX44B3ABSLR)

CARATTERISTICHE GENERALI

- Pannello di controllo professionale a pulsanti diretti I/O di commutazione
- LCD per una visione completa delle selezioni
- Etichette I/O su interfaccia software
- Memorizzazione dei punti incrocio dell'ultimo stato operativo
- 20 memorie di preset
- Funzione di commutazione globale inclusa
- Tutti i comandi sono richiamabili da tastiera e da porta seriale
- Gestione del video e dell'audio anche separata (AFV o Breakaway)
- Livello audio regolabile per singolo ingresso
- Porta RS232 inclusa per controllo da sistema esterno (es. PC, touch-screen ecc.)
- Softwares di controllo e di automazione in ambiente Windows® inclusi
- Feedback di livello
- Porta RS485 inclusa per applicazione di tastiere remotabili fino ad 1000 m. e/o estensione del sistema con matrici in cascata
- Impiego di una o più tastiere per controlli multigestione, utilizzando in combinazione anche il pannello MK1 da 1RU o MDK1 da tavolo

COMPATIBILITÀ DEI SEGNALI

Video composito, S-Video (S-VHS), component video (Y, R-Y, B-Y), RGB, RG_SB

GENERAL FEATURES

- Professional control panel tactile switch I/O buttons
- LCD provides a full status view
- I/O labels on software interface
- Last operative status power down memory
- 20 preset memories
- Global switching function, included
- All commands can be recalled from control panel and serial port
- Separate control of video & audio (AFV or Breakaway)
- Adjustable audio level input by input
- RS232 built-in port for external control system (i.e. PC, touch-screen, etc.)
- Windows®-based control and automation softwares, included
- Level feedback
- RS485 built-in port for remote control panels applications (up to 1000 m) and/or system enlargement by matrices in cascade
- Control by one or more panels, utilizing also any combination of MK1 keypad 1RU or MDK1 desktop remote control panel

SIGNALS COMPATIBILITY

Composite video, S-Video (S-VHS), component video (Y, R-Y, B-Y), RGB, RG_SB





FUTURES

- 4 input keys
- 4 output keys
- 2 function keys (preset, levels)
- 1 status LCD

REMOTE CONTROL PANEL POWER SUPPLY

- **CONTROL PANEL POWERED DIRECTLY FROM THE MATRIX SWITCHER**
LINK + POWER PORT
 Cables: - flat-cable 5 m. max. length
 - UTP CAT.5 5 pins (copper Ø 0.6), 10 m max. length
- **INDEPENDENTLY POWERED CONTROL PANEL**
LINK PORT
 VAC 10V 0.5A external power supply
 Cable: UTP CAT.5 3 pin (copper Ø 0.6), 1000 m max. length

REMOTE CONTROL PANEL INCLUDED ACCESSORIES

1 power link cable: 4 m standard (powered by mainframe)

OPTIONAL ACCESSORIES

Control panel's external power supply, order code T1

MECHANICAL SPECIFICATIONS

- Remote control panel : 19" 1RU; L. 48.3; H. 4.4; D. 3 cm
- Weight: 0,7 kg. approximately



MX44B3

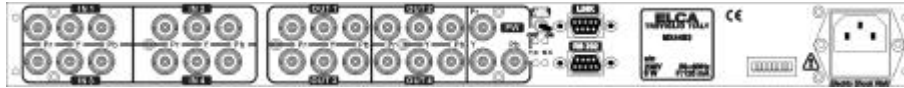
LOCAL CONTROL PANEL + YUV/RGB

4 IN – 4 OUT

MX44B3R

REMOTE CONTROL PANEL + YUV/RGB

4 IN – 4 OUT



REAR PANEL

ELECTRICAL SPECIFICATIONS**ANALOG YUV VIDEO INPUTS**

- Number inputs: 4 (Y, U, V)
- Connectors: 3 x BNC female
- Impedance: 75 Ω
- Return loss: -45 dB @ 5 MHz
- Coupling: DC
- Signal level: 1 Vpp
- Max signal level: 2 Vpp

VIDEO OUTPUTS

- Number outputs: 4 (Y,U,V)
- Preview output: 1
- Connectors: 3 x BNC female
- Impedance: 75 Ω
- Signal level: 1 Vpp
- Coupling: DC
- Bandwidth: 60 MHz
- Frequency response: DC 30 MHz, -3dB
- Flatness: DC 13 MHz, - 0.2 dB
- Crosstalk: -70 dB @ 5 MHz
- Differential phase: 0.8° @ 5 MHz
- Differential Gain: 0.2% @ 5 MHz
- 2T Pulse K-factor: 0.2%
- Signal to noise ratio: -70 dB unweighted

REMOTE CONTROL

- RS232 port – D9 connector: 1
- RS485 port (Link) – D9 connector: 1

POWER SUPPLY

AC 230V 50 Hz - 8W (AC 117V 60 Hz U.S.A., on request)

MECHANICAL SPECIFICATIONS

- Mainframe: 19" 1RU; L. 48.3; H. 4.4; D. 12.3 cm
- Remote control panel (if present): 19" 1RU;
L. 48.3; H. 4.4; D. 3 cm
Remotable up to 1000 m

Weight: 2,6 kg approximately
Weight: 0,7 kg approximately

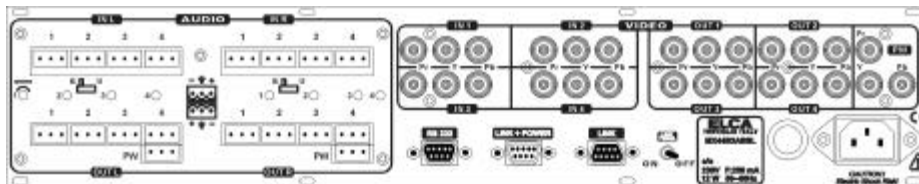


MX44B3ABSL

LOCAL CONTROL PANEL + YUV/RGB + BALANCED
STEREO AUDIO 4 IN - 4 OUT

MX44B3ABSLR

REMOTE CONTROL PANEL + YUV/RGB + BALANCED
STEREO AUDIO 4 IN - 4 OUT



REAR PANEL

ELECTRICAL SPECIFICATIONS

ANALOG YUV VIDEO INPUTS

- Number inputs: 4 (Y, U, V)
- Connectors: 3 x BNC female
- Impedance: 75 Ω
- Return loss: -45 dB @ 5 MHz
- Coupling: DC
- Signal level: 1 Vpp
- Max signal level: 2 Vpp

VIDEO OUTPUTS

- Number outputs: 4 (Y,U,V)
- Preview output: 1
- Connectors: 3 x BNC female
- Impedance: 75 Ω
- Signal level: 1 Vpp
- Coupling: DC
- Bandwidth: 60 MHz
- Frequency response: DC 30 MHz, -3dB
- Flatness: DC 13 MHz, - 0.2 dB
- Crosstalk: -70 dB @ 5 MHz
- Differential phase: 0.8° @ 5 MHz
- Differential Gain: 0.2% @ 5 MHz
- 2T Pulse K-factor: 0.2%
- Signal to noise ratio: -70 dB unweighted

REMOTE CONTROL

- RS232 port – D9 connector: 1
- RS485 port (Link+power) – D9 connector: 1
- RS485 port (Link) – D9 connector: 1

MECHANICAL SPECIFICATIONS

- Mainframe: 19" 2RU; L. 48.3; H. 8.8; D. 25.8 cm Weight: 4,8 kg approximately
- Remote control panel: 19" 1RU; L.48.3; H.4.4; D.3 cm Weight: 0,7 kg approximately
- Remotable up to 1000 m

ANALOG STEREO AUDIO INPUTS

- Number of inputs: 4
- Signal type: 4 balanced or unbalanced (by external switch)
- Connectors: terminal block, 3 pin
- Impedance: 10 K Ω
- Max. level signal: +18 dB
- External level adjustment: yes (per input)
- CMRR: -72 dB, 10KHz

STEREO AUDIO OUTPUTS

- Number outputs: 4
- Preview output: 1
- Connectors: terminal block, 3 pin
- Signal type: balanced
- Impedance: 50 Ω
- Gain: Unity \pm 0.1dB
- Max. level signal: +16 dB into 600 Ω
- Crosstalk: -80 dB @ 10 KHz
- Frequency response: 0.1 Hz to 150 KHz, -3 dB
- Flatness: 10 Hz to 20 KHz, \pm 0.2 dB
- Distortion (THD) : 0.05% 20Hz to 20KHz@+15dBm
- Signal to noise ratio: -85 dB (ref. 0 dBm)

POWER SUPPLY

AC 230V 50 Hz - 12W (AC 117V 60 Hz U.S.A., on request)



SOFTWARE INCLUSO

MX Control software

IL SOFTWARE DI GESTIONE DELLA MATRICE, IN AMBIENTE WINDOWS®, È FORNITO DI SERIE E INCLUDE DUE DISTINTE APPLICAZIONI: IL PROGRAMMA BASE FORNISCE UNA RAPPRESENTAZIONE GRAFICA DELLA MATRICE, DELLO STATO DEI PUNTI INCROCI, DELLE FUNZIONI SELEZIONATE E PUÒ ESSERE UTILIZZATO IN PARALLELO CON IL TRADIZIONALE PANNELLO DI CONTROLLO HARDWARE; IN AGGIUNTA, IL SOFTWARE SEQUENCER PER AUTOMAZIONE, CONSENTE L'ESECUZIONE DI UNA SEQUENZA TEMPORIZZABILE D'ISTRUZIONI DI REMOTAGGIO DELLA MATRICE VIA RS232.

STANDARD SOFTWARE

THE MATRIX SWITCHER CONTROL SOFTWARE WINDOWS®-BASED IS STANDARD SUPPLIED AND INCLUDES TWO DISTINCT APPLICATIONS: THE BASIC PROGRAM PROVIDES A GRAPHICAL REPRESENTATION OF THE SWITCHER, ITS CROSSPOINTS STATUS AND FUNCTION SELECTIONS AND IT MAY BE USED IN PARALLEL WITH THE TRADITIONAL HARDWARE CONTROL PANEL; BESIDES THE SEQUENCER SOFTWARE FOR AUTOMATION IS AVAILABLE AS WELL, ALLOWING THE SEQUENTIAL EXECUTION OF INSTRUCTIONS WITH USER DEFINED DELAYS, FOR THE REMOTE CONTROL OF THE MATRIX VIA RS232.

GARANZIA

UN ANNO, PARTI DI RICAMBIO E MANODOPERA.
(V. TERMINI DI "GARANZIA" SU CONDIZIONI GENERALI DI VENDITA)

WARRANTY

ONE YEAR, PARTS AND LABOUR.
(SEE "WARRANTY" TERMS ON GENERAL CONDITIONS OF SALES)

CODICI D'ORDINE

MX44B3	YUV + PANNELLO DI CONTROLLO LOCALE
MX44B3R	YUV + PANNELLO DI CONTROLLO REMOTO
MX44B3ABSL	YUV + AUDIO STEREO BILANCIATO + PANNELLO DI CONTROLLO LOCALE
MX44B3ABSLR	YUV + AUDIO STEREO BILANCIATO + PANNELLO DI CONTROLLO REMOTO

ORDERING CODES

MX44B3	YUV + LOCAL CONTROL PANEL
MX44B3R	YUV + REMOTE CONTROL PANEL
MX44B3ABSL	YUV + BALANCED STEREO AUDIO + LOCAL CONTROL PANEL
MX44B3ABSLR	YUV + BALANCED STEREO AUDIO + REMOTE CONTROL PANEL

ACCESSORI OPZIONALI

TMX44	PANNELLO DI CONTROLLO REMOTE AGGIUNTIVO (CAVO STANDARD 4 M.)
MK1	PANNELLO DI CONTROLLO (X-Y) O SINGLE-BUS REMOTE SATELLITE 1 RU (CAVO STANDARD 4 M.)
MDK1	PANNELLO DI CONTROLLO (X-Y) REMOTE DA TAVOLO (CAVO STANDARD 4 M.)
T1	ALIMENTATORE ESTERNO PER PANNELLI DI CONTROLLO REMOTATI OLTRE 10 M.

OPTIONAL ACCESSORIES

TMX44	ADDITIONAL REMOTE CONTROL PANEL (STANDARD CABLE 4 M)
MK1	1 RU SATELLITE REMOTE CONTROL PANEL (X-Y) OR SINGLE-BUS (STANDARD CABLE 4 M)
MDK1	DESKTOP REMOTE CONTROL PANEL (X-Y) (STANDARD CABLE 4 M)
T1	EXTERNAL POWER SUPPLY FOR CONTROL PANELS REMOTED OVER 10 M

