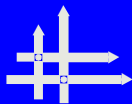


# MX3232



## 32 IN – 32 OUT MATRIX SWITCHER

Multilevel Video & Audio series

MAXICROSS®



CONTROL PANEL

### CARATTERISTICHE GENERALI

- Pannello di controllo professionale a pulsanti di commutazione tattili
- Controllo a microprocessore; tutte le prestazioni e le funzioni della matrice ELCA sono controllate a microprocessore per garantire la massima affidabilità
- Indicatori display di stato delle selezioni
- Memorizzazione dei punti incrocio dell'ultima situazione operativa
- 10 memorie di preset (memorizzabili e richiamabili da tastiera)
- Tutti i comandi sono richiamabili da tastiera e PC
- Commutazione nell'intervallo di quadro, anche con sincronizzazione esterna
- Gestione del video e dell'audio anche separata (AFV o Breakaway)
- Livello audio regolabile per singolo ingresso
- Funzione di commutazione globale di serie
- Porta RS232 di serie con connettore D9
- Software di controllo in ambiente Windows® incluso
- Feedback di livello
- Porta RS485 di serie per applicazione di tastiere remote e/o estensione del sistema con matrici in cascata
- Impiego di una o più tastiere per controlli multigestione

### CONFIGURAZIONI

Il sistema di configurazione è ideato in rack frame separati:

- |                            |                |
|----------------------------|----------------|
| - PANNELLO DI CONTROLLO    | cod. TMX3232   |
| - VIDEO COMPOSITO          | cod. MX3232VC  |
| - AUDIO STEREO SBILANCIATO | cod. MX3232ASS |
| - AUDIO MONO SBILANCIATO   | cod. MX3232ASM |

### GENERAL FEATURES

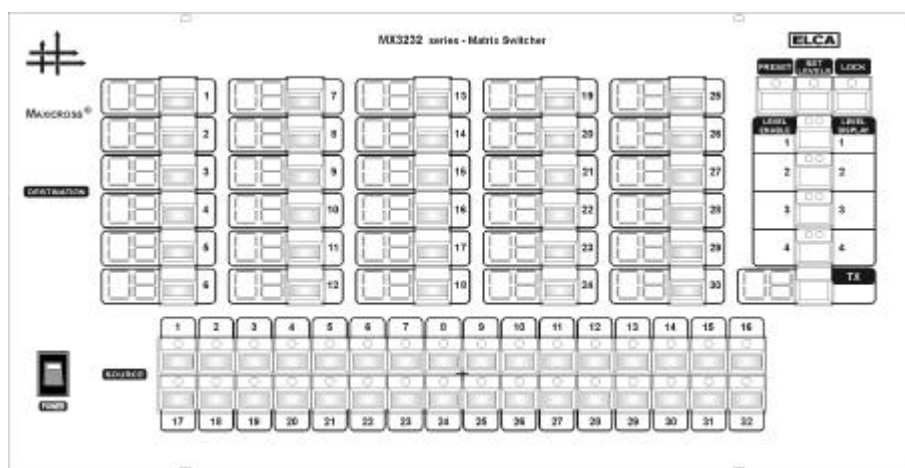
- Professional control panel tactile switch buttons
- All the matrix features and functions are microprocessor controlled for maximum reliability
- Status display indicators
- Last operative status power down memory
- 10 preset memories (to store and recall from control panel)
- All commands can be recalled from control panel and PC
- Switching during the frame interval, even with external synchronization
- Separate control of video & audio (AFV or Breakaway)
- Adjustable audio level per input
- Global switching function, standard supplied
- RS232 port with D9 connector, standard supplied
- Windows®-based control software, standard supplied
- Level feedback
- RS485 built-in port for remote control panels applications and/or system enlargement by matrices in cascade
- Control by one or more panels

### CONFIGURATIONS

The configuration system is devised in separate rack frames:

- |                           |                |
|---------------------------|----------------|
| - CONTROL PANEL           | code TMX3232   |
| - COMPOSITE VIDEO         | code MX3232VC  |
| - UNBALANCED STEREO AUDIO | code MX3232ASS |
| - UNBALANCED MONO AUDIO   | code MX3232ASM |





CONTROL PANEL

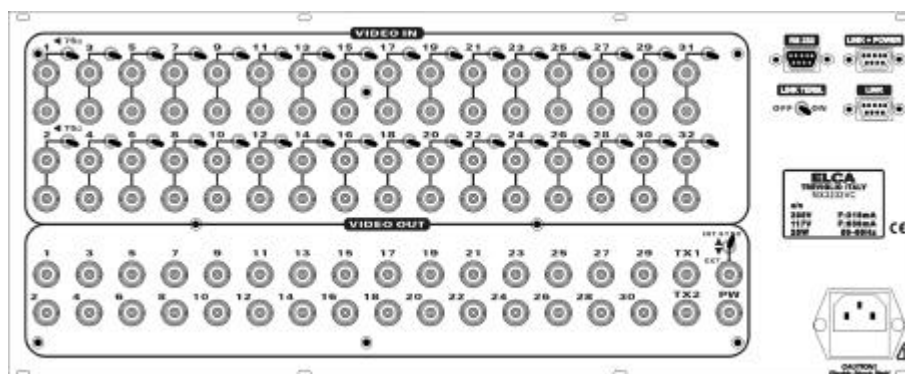
### ELECTRICAL SPECIFICATIONS

- 32 input keys
- 31 output keys
- 31 status displays
- 7 function keys

### MECHANICAL SPECIFICATIONS

- Remote control panel: 19" 5RU; L. 48.3 cm. ; H. 22.1 cm. ; D. 4 cm.
- Weight: 2,2 Kg. approximately
- 1 link cable: 4 m standard, max 10 m (powered by mainframe)
- Remoting up to 1000 m by bifilar cable (2 x 0.50/0.75) (external power supply)





REAR PANEL

## ELECTRICAL SPECIFICATIONS

### ANALOG COMPOSITE VIDEO INPUTS

- Number of inputs: 32
- Connectors: BNC female
- Impedance: 75  $\Omega$  loop-through or terminated
- Coupling: AC clamping
- Signal level: 1 Vpp
- Max. signal level: 2 Vpp
- External sync: 1

### COMPOSITE VIDEO OUTPUTS

- Number of outputs: 30
- TX output: 1+1
- Preview output: 1
- Connectors: BNC female
- Impedance: 75  $\Omega$
- Signal level: 1 Vpp
- Coupling: DC
- Frequency response: 30 MHz, -3dB
- Flatness: 2 Hz to 28 MHz,  $\pm 0.3$  dB
- Crosstalk: -60 dB @ 5 MHz
- Differential phase: 0.2° @ 5 MHz
- Differential gain: 0.2% @ 5 MHz
- 2T Pulse K-factor: 0.2%
- Signal to noise ratio: -70 dB unweighted

### REMOTE CONTROLS

- RS232 port – D9 connector: 1  
Baud rate: 2400, 9600, 12800, 57600
- RS485 port (Link + power) – D9 connector: 1
- RS485 port (Link) – D9 connector: 1

### POWER SUPPLY

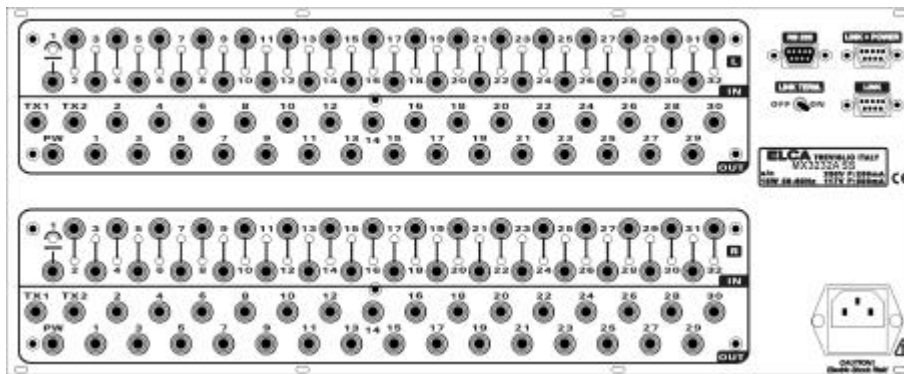
AC 230V 50 Hz (AC 117V 60Hz U.S.A.) – 25 W

### MECHANICAL SPECIFICATIONS

- Mainframe: 19" 4RU; L. 48.3; H. 17.7; D. 25.8 cm.

Weight: 6,8 kg. approximately





REAR PANEL

### ELECTRICAL SPECIFICATIONS

#### ANALOG STEREO AUDIO INPUTS

- Number of inputs: 32
- Connectors: RCA PLUG
- Impedance: 10 K $\Omega$
- Signal type: unbalanced
- Signal level:  $\emptyset$  dB
- Max. signal level: +16 dB
- External level adjustm.: -6 dB (per input)

#### ANALOG STEREO AUDIO OUTPUTS

- Number of outputs: 30
- TX outputs: 1+1
- Preview output: 1
- Connectors: RCA PLUG
- Impedance: 600  $\Omega$ , unbalanced
- Signal level:  $\emptyset$  dB, max. 16 dB
- Crosstalk: -80 dB @ 10 KHz
- Frequency response: 0,1 Hz to 200 KHz, -3 dB
- Flatness: 2 Hz to 100 KHz,  $\pm 0.3$  dB
- Distortion (THD):  $\emptyset$  dBm 400 Hz 0.005%
- Signal to noise ratio: -85 dB

#### REMOTE CONTROLS

- RS232 port – D9 connector: 1  
Baud rate: 2400, 9600, 12800, 57600
- RS485 port (Link + power) – D9 connector: 1
- RS485 port (Link) – D9 connector: 1

#### POWER SUPPLY

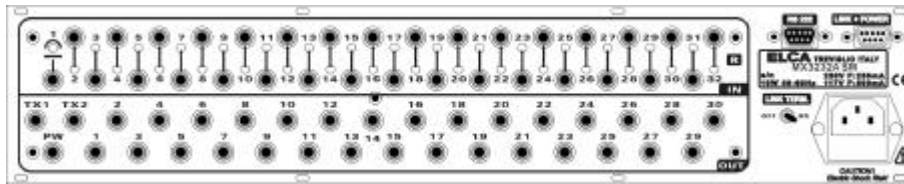
AC 230V 50 Hz (AC 117V 60Hz U.S.A.) – 25 W

### MECHANICAL SPECIFICATIONS

- Mainframe: 19" 4RU; L. 48.3; H. 17.7; D. 25.8 cm.

Weight: 6,3 Kg. approximately





REAR PANEL

## ELECTRICAL SPECIFICATIONS

### ANALOG MONO AUDIO INPUTS

- Number of inputs: 32
- Connectors: RCA PLUG
- Impedance: 10 K $\Omega$
- Signal type: unbalanced
- Signal level:  $\emptyset$  dB
- Max. signal level: +16 dB
- External level adjustm.: -6 dB (per input)

### ANALOG MONO AUDIO OUTPUTS

- Number of outputs: 30
- TX outputs: 1+1
- Preview output: 1
- Connectors: RCA PLUG
- Impedance: 600  $\Omega$ , unbalanced
- Signal level:  $\emptyset$  dB, max. 16 dB
- Crosstalk: -80 dB @ 10 KHz
- Frequency response: 0,1 Hz to 200 KHz, -3 dB
- Flatness: 2 Hz to 100 KHz,  $\pm$ 0.3 dB
- Distortion (THD):  $\emptyset$  dBm 400 Hz 0.005%
- Signal to noise ratio: -85 dB

### REMOTE CONTROLS

- RS232 port – D9 connector: 1  
Baud rate: 2400, 9600, 12800, 57600
- RS485 port (Link + power) – D9 connector: 1

### POWER SUPPLY

AC 230V 50 Hz (AC 117V 60Hz U.S.A.) – 20 W

### MECHANICAL SPECIFICATIONS

- Mainframe: 19" 2RU; L. 48.3; H. 8.9; D. 25.8 cm.

Weight: 5 Kg. approximately



## SOFTWARE OPZIONALE

**SQ-MX3232** OLTRE AL SOFTWARE FORNITO DI SERIE PER GESTIONE DA PC, È DISPONIBILE ANCHE UN SOFTWARE PER AUTOMAZIONE WINDOWS®-BASED, CHE CONSENTE L'ESECUZIONE DI UNA SEQUENZA TEMPORIZZABILE D'ISTRUZIONI DI REMOTAGGIO DELLA MATRICE VIA RS232.

## OPTIONAL SOFTWARE

BESIDES THE SOFTWARE STANDARD SUPPLIED, A WINDOWS®-BASED SOFTWARE IS AVAILABLE AS WELL, ALLOWING THE EXECUTION OF A TIMING SEQUENCE OF INSTRUCTIONS 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

<b>TMX3232</b>	PANNELLO DI CONTROLLO REMOTE (CAVO STANDARD 4 M.)
<b>MX3232VC</b>	VIDEO COMPOSITO
<b>MX3232ASS</b>	AUDIO SBILANCIATO STEREO
<b>MX3232ASM</b>	AUDIO SBILANCIATO MONO

## ORDERING CODES

REMOTE CONTROL PANEL (STANDARD CABLE 4 M.)
COMPOSITE VIDEO
UNBALANCED STEREO AUDIO
UNBALANCED MONO AUDIO

## ACCESSORI OPZIONALI

<b>TMX3232</b>	PANNELLO DI CONTROLLO REMOTE AGGIUNTIVO (CAVO STANDARD 4 M.)
<b>SQ-MX3232</b>	SOFTWARE SEQUENCER

## OPTIONAL ACCESSORIES

ADDITIONAL REMOTE CONTROL PANEL (STANDARD CABLE 4 M.)
SEQUENCER SOFTWARE

