

General

MX-AIR is the perfect tool for broadcasting digital video and audio.

MX-AIR has been designed to cope with all your needs of mixing video and audio. Housed in a robust and compact frame, it can process embedded or AES/EBU audio and 4:3 or 16:9 video SDI. Flexible and powerful, several DSK's and logo generators can be fitted. **MX-AIR** is easy to operate from its own dedicated remote control panel or directly attached to an automation.



MX-AIR

Applications

- § OB Vans
- § Broadcasting
- § Terrestrial, cable & satellite TV
- § News
- § Sports

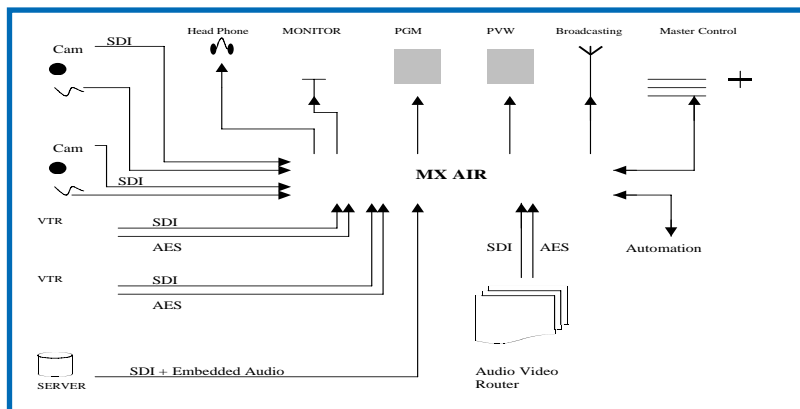
Video

- § 8 SDI inputs (expandable with external routing matrix)
- § Audio internally de-embedded/embedded
- § 1 upstream keyer
- § 1 DSK (up to 4 as option)
- § Up to 3 logo generators or DSK's (option)
- § Auxiliary feed output
- § Cleanfeed output
- § Full DVE control
- § GVG compatible protocol

Audio

- § 8x2 AES/EBU or embedded audio inputs (4 channels per input)
- § Optional expansion to 4 AES (8 audio channels per input)
- § 2 voices over
- § Audio follow fonction
- § Break away function

System



Specifications

VIDEO

Serial Component Digital Inputs and Outputs

- § Standards : SMPTE 259M-C, 525 or 625 lines
- § Ancillary Data : Passed or blanked
- § EDH replaced
- § 1ME, 1Key, 1Dsk, 1 FTB, 3 optional DSK or Logo Generator

Inputs

- § 8 standard SDI inputs (Auto phasing 1 line) + color background
- § 3 External Fill and Key inputs (Optional Inputs)
- § 4 AES/EBU audio Inputs Embedder (48khz AES3)
- § 1 Logo generator (optional)

Outputs

- § 2 PGM SDI outputs (1 with Bypass to input 1)
- § 1 Aux. SDI output
- § 1 Clean Feed SDI output
- § 1 PVW SDI output or analogue PAL NTSC
- § 4 AES/EBU audio Outputs De-embedder (48khz AES3)

Reference input

- § NTSC/PAL composite Black Burst
- § 300mV +/- 6 dB

Connectors

- § BNC 75 ohms

COMMUNICATIONS

Serial remote control

- § RS422/232 9 Pin D sub
- § Grass Valley M2100 Protocol

Ethernet remote control

- § 10 Base TRJ45
- § Grass Valley M2100 Protocol

Tally

- § 8 outputs (open collector) 25 Pin D sub

Panel

- § 9 Pin D sub

ELECTRICAL

- § AC voltage 90-265VAC 50/60 Hz
- § Meets applicable UL and CE requirements
- § Redundant power supply
- § Rack Frame : 110VA
- § Control Panel : 50VA

ENVIRONMENTAL

Operating temperature

- § 0° to 50°C

EMC

- § CE and FCC Part 15 compliant

AUDIO

1 ME, 2 Audio Over, 1 Mute

Inputs

- § 8 x 4 AES/EBU Inputs 110 ohms (AES 3 - 1992)
- § Audio inputs can be connected to video de-embedded either used separately
- § 2 Audio Over

Outputs

- § 1 PGM output (2 AES/EBU)
- § Audio outputs can be embedded into the video or used independently
- § 1 Aux. output (2 AES/EBU)
- § 1 Clean output (2 AES/EBU)
- § 1 Monitor output (2 AES/EBU)
- § 1 Headphone output (1 AES/EBU)

Reference

- § Video Black Burst or AES/EBU (Input 1)

Connectors

- § 25 Pin D Sub

MECHANICAL

Rack Frame

- § Dimensions : 2Ux 484 x 440 mm
- § Weight : 10Kg

Control Panel

- § Dimensions : 6Ux 484 x 110 mm
- § Weight : 12Kg

OPTIONS

- § **MCP** Master Control Panel
- § **DSK2000** Downstream Keyer
- § **LG50DK** Logo generator
- § **PW60** Control Panel Redundant power supply
- § **PW130** Rack Frame Redundant power supply

