SONY®

Multi-Format DME Processor
MVE-9000

The long-awaited, ideal multi-format DME - the Sony MVE-9000

Introducing the Sony response to ever-increasing demands for a scalable and flexible multi-format production system: the MVE-9000 multi-format DME, designed to serve as the best counterpart to the market-acclaimed Sony MVS-8000 Series switcher.

The MVE-9000 provides high picture quality and a rich set of features for the creation of stunning special effects in live environments and post-production. Its multi-format capabilities make it equally suited to content creation in high-end production and post-production.

Features

HD/SD multi-format capability

- HDTV
  - 1080i/50, 59.94, 60
  - 1080p/23.976, 24, 25, 29.97, 30
  - 720p/59.94
- SDTV
  - 480i/59.94
  - 576i/50

High-quality DME

- A variety of effects
  - 3D Linear/Nonlinear, Sparkle
  - Input Freeze, Defocus, Key Border, Beveled Edge, Glow, Sketch, Metal, Mask, Light, Shadow, Trail and more
  - Up to four channels of Combine with Intersect and Dim/Fade
- Effect data compatible with MVE-8000
- Excellent picture quality
  - Y/C/K 10-bit processing
  - Field/Frame-based processing
  - High-performance pixel-based anti-alias filter
  - High-quality multi-point interpolation

Flexible system configurations

- Up to four channels can be configured on a channel basis
  - The Advanced Effect Board MKE-9040M
- One of the following video interface board sets can be installed
  - The Input/Output Board Set MKE-9021M
    SDI interfaces for standalone operations
  - The MVS Interface Board Set MKE-9020M
    Dedicated connection to the MVS Series switcher
- 4U high, less than 15 kg in weight, and less than 500 W consumed when fully loaded with its option boards
- Redundant power supply can be installed
  - The Power Supply Unit HK-PSU04
- Four RS-422 interfaces for control from external editor
  - Each channel can be independently controlled
- GPI and Tally interface
- 100Base-TX network interfaces
  - Allows the transfer of files (image, effect, setup, etc.) between equipment connected to the MVS/DVS Data LAN
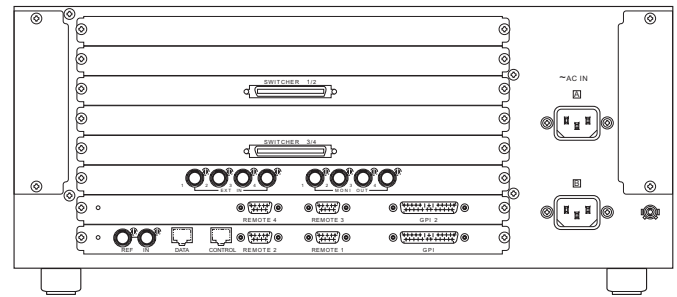 - Real time control via the MVS/DVS Control LAN

Preliminary

Specifications

General

Power requirement	100 V to 240 V ±10% 50/60 Hz
Power consumption	500 VA
Operating temperature	5℃ to 40℃ (41℉ to 104℉)
Storage temperature	-20℃ to +60℃ (-4℉ to + 140℉)
Dimensions (W x H x D)	482 x 194 x 520 mm (19 x 7 3/4 x 20 1/2 inches)
Mass	Approx. 20 kg (44 lb 1 oz)

Inputs/Outputs

MKE-9020M	Video inputs/Video outputs	
	MVS interface	MDR 68-pin x 2 (inputs/outputs: 2 CH x 2), LVDS
MKE-9021M	Video inputs	
	Video/Key	BNC-type connectors x 8, SDI
	Video outputs	
	Video/Key	BNC-type connectors x 8, SDI
Ext Video In		BNC-type connectors x 4, SDI
Moni Out		BNC-type connectors x 4, SDI
Reference inputs		BNC-type connectors x 2, 75 Ω with loop-through output Analog black burst or HD tri-level sync

Control signals

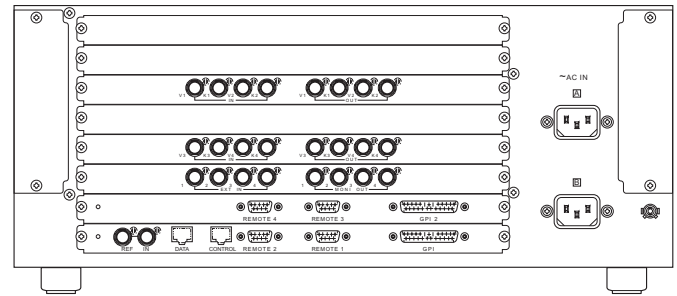|	
Control LAN	RJ-45 x 1, 100Base-TX
Data LAN	RJ-45 x 1, 100Base-TX
Remote	D-SUB 9-pin x 4, RS-422
GPI	D-SUB 25-pin x 2, dry contact or open collector inputs x 16, relay contact outputs x 8, open collector outputs x 8

System Configurations

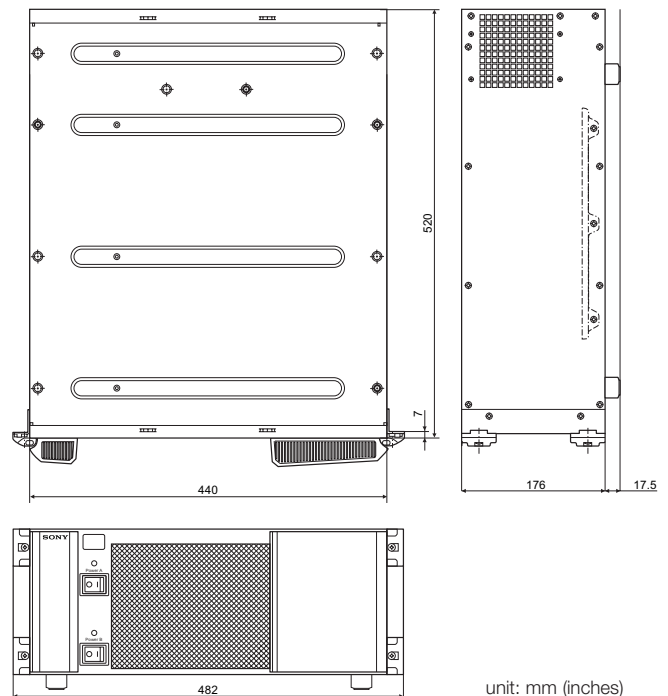|	
MVE-9000	Multi-Format DME Processor
MKE-9020M	MVS Interface Board Set
MKE-9021M	Input/Output Board Set
MKE-9040M	Advanced Effects Board
HK-PSU04	Power Supply Unit

Rear Panel

•MVE-9000 with MKE-9020M

•MVE-9000 with MKE-9021M

Dimension

unit: mm (inches)

Distributed by

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