# SONY

# VPL-MX20

Premium Mobile Projectors

BrightEra™
Long Lasting Optics

3LCD

# Slim, Lightweight, and Stylish – the VPL-MX20 Data Projector is the Perfect Choice for Mobile Applications

Sony's VPL-MX20 premium mobile projector is extremely slim, lightweight, and stylish – perfect for applications that require portability.

This projector offers a high brightness of 2500 lumens and excellent picture quality in XGA (1024 x 768) resolution.

Its stylish body has been designed with round edges for easy carrying – plus, it boasts a thin form factor of approximately 45 mm (1 $^{13}/_{16}$ inches) and a light weight of approximately 1.7 kg (3 lb 12 oz), making it a powerful presentation tool for business people on the move.

## FEATURES

### Slim, Lightweight, and Stylish Design

The VPL-MX20 adopts a slim and lightweight body design – which offers a thin form factor of approximately 45 mm (1 $^{13}/_{16}$ inches) and a light weight of approximately 1.7 kg (3 lb 12 oz).
It is designed with round edges for easy carrying. The VPL-MX20 is stylish and elegant, complementing the sophisticated design of today's laptop PCs – particularly Sony's VAIO® lineup – making presentations smarter than ever before.

### High Picture Quality and Bright Images

By combining a new generation of optical system that uses Sony's BrightEra™ with Long Lasting Optics technology* and a 3LCD projection system, the VPL-MX20 offers high picture quality in XGA (1024 x 768) resolution and a high brightness of 2500 lumens.

* BrightEra with Long Lasting Optics is the brand name for a new generation of optical system, which is a more advanced version of Sony's original BrightEra technology.
In addition to the adoption of LCD panels that have pixels with large aperture ratios and inorganic alignment layers, BrightEra with Long Lasting Optics technology also uses an inorganic layer for polarization plates to greatly enhance reliability.

### 3LCD Projection Offers Amazing Color Performance

The VPL-MX20 adopts the 3LCD projection system that uses three LCD panels. This system allows the projector to present bright and natural images. It provides high light transmission and excellent color reproduction with high color light output*. It also provides smooth gradients in dark areas, and even helps prevent color breakup or the rainbow effect**.

* Color light output is a metric that measures a projector's ability to deliver color. Developed by color scientists using the same approach as light output (brightness) measurement, color light output provides a simple, accurate, and easy-to-understand way to evaluate a projector's color performance.

** The rainbow effect may appear as blurring or the separation of colors. It can only be seen in images projected by 1-chip sequential color projection systems.

## Advanced Intelligent Auto Setup

By simply turning on the power, the VPL-MX20 automatically initiates the following sophisticated setup functions that make it easy to operate, even for first-time users:

- Power-operated tilt adjuster, which sets the projector to the right level
- Built-in Auto Focus module, which focuses the projected image
- Auto Vertical Keystone Adjustment, which corrects the vertical keystone distortion of the projected image
- Auto Input Search, which automatically finds the input signal
- Smart APA (Auto Pixel Alignment), which sizes and adjusts the projected image for optimum picture performance

## Off & Go

Once a presentation is complete, the VPL-MX20 can be moved to the next location immediately, simply by turning the projector off and unplugging the AC power cord – there's no need to wait for the fan to stop.

## Short Projection Distance

The VPL-MX20 comes equipped with a short focal-length lens, which makes it possible to project images from a short distance. For example, an 80-inch* image can be projected from a distance of approximately 2.4 meters (7.9 feet).

 * Viewable area, measured diagonally.

## Input Flexibility

The VPL-MX20 can accept a wide variety of signals from both PC (VGA up to SXGA+) and video including composite and analog RGB/component.

## Power Zoom/Focus and Tilt Adjust

The Zoom/Focus and Tilt Adjust functions of the VPL-MX20 can be controlled from the projector's control panel and the supplied Remote Commander™ unit.
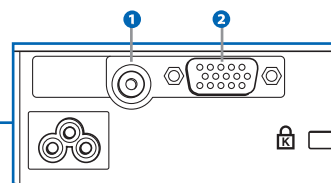
## Other Features

- Vertical Keystone Adjustment (Auto/Manual)
- Auto Focus
- Auto Input Search
- Picture Muting (Image Muting)
- Image Freeze
- Digital Zoom (4x)
- Power-saving Mode
- High Security
  – Password-authentication System
  – Control Panel Key Lock
  – Kensington-style Lock Port
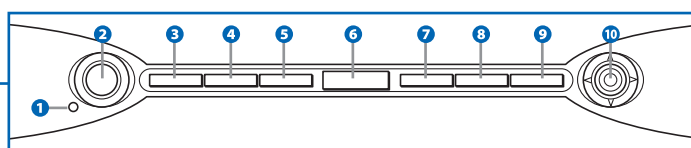- Remote Commander Unit
- Soft Carrying Case

# CONNECTOR PANEL

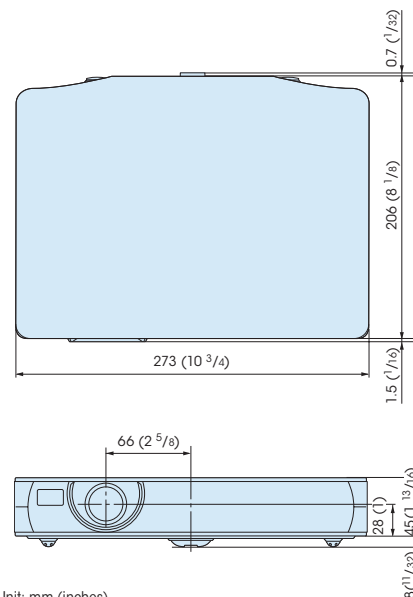❶ VIDEO jack     ❷ INPUT A (Analog RGB) connector

# CONTROL PANEL

❶ LAMP/COVER indicators     ❷ I/⏻ (On/Standby) key     ❸ INPUT key     ❹ MENU key
❺ PIC MUTING key     ❻ Rear remote control detector     ❼ AUTO FOCUS key     ❽ ZOOM/FOCUS key
❾ TILT/KEYSTONE key     ❿ Enter/Arrow key

# SPECIFICATIONS

| VPL-MX20 | | |
|---|---|---|
| **Optical** | | |
| Projection system | | 3 LCD panels, 1 lens projection system |
| LCD panel | | 0.63-inch XGA panel, 2,359,296 (1024 x 768 x 3) pixels |
| Projection lens | | 1.2 times power zoom lens, f = 18.19 to 21.87 mm, F 1.65 to 1.80 |
| Lamp | | 200 W ultra high pressure lamp |
| Light output | | 2500 lumens (lamp mode: high)/2000 lumens (lamp mode: standard) |
| Color light output | | 2500 lumens (lamp mode: high)/2000 lumens (lamp mode: standard) |
| Screen coverage | | 30 to 150 inches (auto focus operation range) (viewable area measured diagonally) |
| Throwing distance | 30-inch | Approx. 0.86 to 0.99 m (2.8 to 3.3 feet) |
| | 40-inch | Approx. 1.2 to 1.3 m (3.9 to 4.3 feet) |
| | 60-inch | Approx. 1.8 to 2.0 m (5.9 to 6.6 feet) |
| | 80-inch | Approx. 2.4 to 2.7 m (7.9 to 8.9 feet) |
| | 100-inch | Approx. 3.0 to 3.4 m (9.8 to 11.2 feet) |
| | 120-inch | Approx. 3.6 to 4.1 m (11.8 to 13.5 feet) |
| | 150-inch | Approx. 4.5 to 5.1 m (14.8 to 16.7 feet) |
| **Signals** | | |
| Color system | | NTSC $_{3.58}$, PAL, SECAM, NTSC $_{4.43}$, PAL-M, PAL-N, PAL60 (automatically/manually selected) |
| Resolution | Video | 750 TV lines |
| | RGB | 1024 x 768 pixels |
| Acceptable computer signals | | fH: 19 to 80 kHz, fV: 48 to 92 Hz (up to SXGA+ (fV: 60 Hz)) |
| Acceptable video signals | | 15 kHz RGB/component 50/60 Hz, progressive component 50/60 Hz, DTV (480/60i, 480/60p, 575/50i, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i), composite video |
| **General** | | |
| Dimensions (W x H x D) | | Approx. 273 x 45 x 206 mm (10 3/4 x 1 13/16 x 8 1/8 inches) (excluding projection parts) |
| Mass | | Approx. 1.7 kg (3 lb 12 oz) |
| Power requirements | | AC 100 to 240 V, 2.9 to 1.2 A, 50/60 Hz |
| Power consumption | | Max. 290 W, standby: Approx. 6 W (standard mode) / Approx. 2 W (low mode) |
| Operating temperature | | 0 to 35 °C (32 to 95 °F) |
| Operating humidity | | 35 to 85 % (no condensation) |
| Storage temperature | | -20 to 60 °C (-4 to 140 °F) |
| Storage humidity | | 10 to 90 % (no condensation) |
| **Inputs/Outputs** | | |
| Input A | Analog RGB/Component | HD D-sub 15-pin |
| Video input | Composite video | RCA phono jack |
| **Supplied accessories** | | |
| | | Remote Commander unit (1), Lithium battery (CR2025) for Remote Commander unit (1), HD D-sub 15 pin cable (2 m) (1), Carrying case (1), AC power cord (1), Security label (1), Operating instructions (CD-ROM) (1), Quick reference manual (1), Safety regulations (1) |

# DIMENSIONS

0.7 (¹/32)
206 (8 ¹/8)
273 (10 ³/4)
1.5 (¹/16)
66 (2 ⁵/8)
28 (1)
45 (1 ¹³/16)
8(¹¹/32)

Unit: mm (inches)

# OPTIONAL ACCESSORY

**LMP-M200**
Projector Lamp (for replacement)

**Distributed by**

MK10558V1IW09FEB