# MULTIMEDIA PROJECTOR
## DS331

**Optoma**
*Projector Expert*

## ALL-DIGITAL PRESENTATIONS

**2x HDMI ports for digital connectivity (free HDMI cable included)**

**3200 lumens bright for lights-on presentations**

**Full 3D compatibility; captivate your audience with immersive 3D presentations and movies**

**USB with 5V 1A provides power to your accessories**

**IR remote control with mouse function**

PICTURE BY **DLP** TEXAS INSTRUMENTS | FEATURING **BrilliantColor** | **Full 3D** | **HDTV** COMPATIBLE | **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE

Digital HDMI sources deliver sharper, clearer image quality; the Optoma DS331 provides 2x HDMI ports to display them.

With a powerful 3200 lumens and a remarkable 20,000:1 contrast ratio the Optoma DS331 delivers presentations with incredible image clarity, vibrant, accurate colors and easy to read text and graphics. Displaying even the most subtle details in your presentations to help you win your audience.

Perfect for use in medium sized conference rooms, training rooms, classrooms, and houses of worship.

The Optoma DS331 includes an extensive list of advanced features, including 2x HDMI v1.4a ports with full 3D compatibility, USB type-A with 5V DC 1A power, mini USB-B for remote mouse convenience, 1.1x zoom lens, built-in 2W speaker, RS-232 connectivity, ultra-long lamp life, whisper quiet fan and much more.

## CONNECTIVITY (May require optional accessories)

COMPUTERS | SMART PHONES | TABLETS | 3D BLU-RAY/DVD PLAYERS | SET TOP BOXES | CAMCORDERS | GAME CONSOLES | DIGITAL CAMERAS | Roku® | Apple TV® | Chromcast™

# MULTIMEDIA PROJECTOR — DS331

## OPTICAL/TECHNICAL SPECIFICATIONS

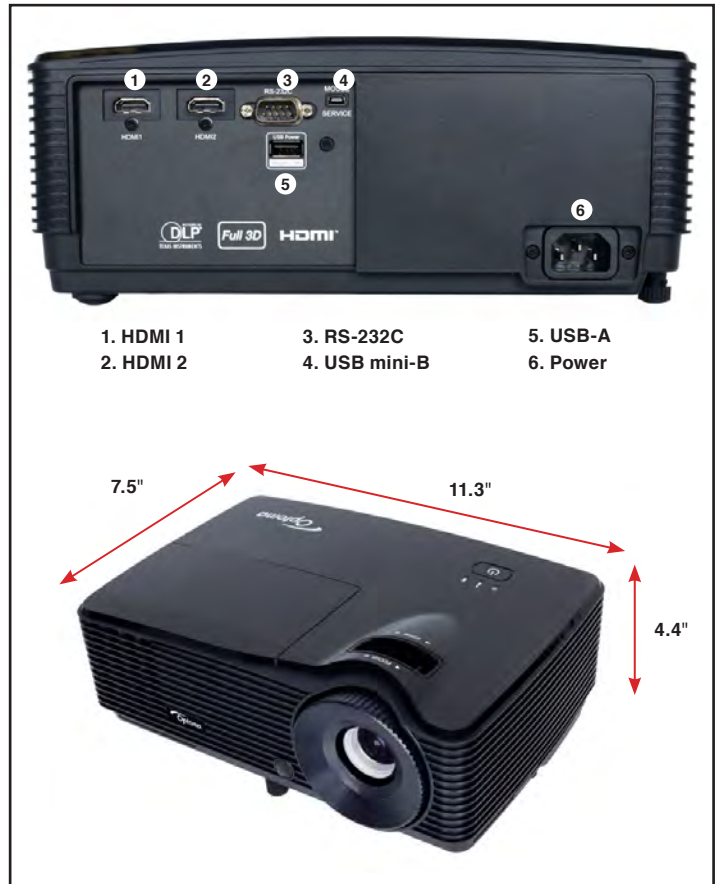| | |
|---|---|
| **Display Technology** | Single 0.55" DC3 DMD<br>DLP® Technology by Texas Instruments™ |
| **Resolution** | SVGA (800 x 600) |
| **Maximum Resolution** | HD 1080p (1920 x 1080) |
| **Brightness** | 3200 lumens |
| **Contrast Ratio** | 20,000:1 (full on/full off) |
| **Displayable Colors** | 1.07 Billion |
| **Lamp Life and Type\*** | 10,000/7000/6500/6000/5000 Hours<br>(Edu/Dynamic/ECO+/ECO/Normal),<br>P-VIP 190W lamp |
| **Projection Method** | Front, rear, ceiling mount, table top |
| **Keystone Correction** | ±40° Vertical |
| **Uniformity** | >80% |
| **Aspect Ratio** | 4:3 Native, 16:9 compatible |
| **Throw Ratio (Distance/Width)** | 1.86–2.04 |
| **Projection Distance** | 3.9'–32.8' (1.2–10 m) |
| **Image Size (Diagonal)** | 30"–300" (0.76–7.62 m) |
| **Projection Lens** | F=2.5–2.7, f=22.08–24.28 mm,<br>1.1x manual zoom and focus |
| **Digital Zoom** | 0.8~2.0 |
| **Offset** | 115% |
| **Audio** | 2-Watt speaker |
| **Noise Level** | 28dB |
| **Remote Control** | IR remote mouse control |
| **Operating Conditions** | 41–113°F (5–45°C), 85% max humidity |
| **Power Supply** | AC input 100–240V, 50–60Hz,<br>auto-switching |
| **Power Consumption** | Max 250 (Normal), Min 202 (Eco+),<br><0.5W (standby-ECO) |

## COMPATIBILITY SPECIFICATIONS

| | |
|---|---|
| **Computer Compatibility** | HD, UXGA, UXGA, SXGA+, WXGA+, WXGA,<br>SXGA, XGA, SVGA, VGA |
| **Video Input Compatibility** | NTSC, PAL, SECAM, SDTV (480i), EDTV<br>(480p), HDTV (720p, 1080i/p) |
| **3D Compatibility†** | Supports all HDMI 1.4a mandatory 3D formats<br>(Frame pack, side-by-side, top-bottom) and<br>up converts frame rate from 60Hz to 120Hz or<br>24Hz to 144Hz (i.e 60 or 72 frames per eye).<br>3D glasses are needed and are sold separately.<br>Refer to user manual for details. |
| **Vertical Scan Rate** | 24–85Hz, 120Hz |
| **Horizontal Scan Rate** | 15.375–91.4KHz |
| **User Controls** | Complete on-screen menu, adjustments in 27<br>languages |
| **I/O Connection Ports** | Two HDMI v1.4a, RS-232C, USB-A, USB mini-B |

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| **Security** | Kensington® Lock Port and keypad lock |
| **Weight** | 4.8 (2.1 kg) |
| **Dimensions (W x H x D)** | 11.3" x 4.4" x 7.5" (287 x 111 x 190 mm) |



1. HDMI 1    3. RS-232C    5. USB-A
2. HDMI 2    4. USB mini-B    6. Power

7.5"    11.3"    4.4"

### Warranty

1-Year Limited Parts and Labor, 90-Days on Lamp

### In the Box (Standard Accessories)

DS331 projector, AC power cord, HDMI cable, remote control, batteries for remote, multilingual CD-ROM user's manual, quick start card, warranty card and carrying case

### Optional Accessories

Universal ceiling mount, Optoma screens, DLP® Link™ 3D glasses, wireless HDMI system and Single-Cat6 HDBaseT

### Accessory Part Numbers

Lamp: PAW84-2400    Remote: J8947-0384-00
Carrying case: BK-4032    DLP® Link™ 3D glasses: ZD302
Single-Cat6 HDBaseT kit: EVBMN-M110    Wireless HDMI system: WHD200
Universal ceiling mount: OCM818B-RU    Universal ceiling mount: BM-5001U
Universal ceiling mount (with extension pole): OCM815B

**UPC** 796435 41 942 4

**www.OptomaUSA.com**

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\*Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

†3D content can be viewed with either RF or DLP Link active shutter glasses when projector is used with a compatible 3D player. *RF 3D glasses* require the use of an *RF 3D emitter* and a projector with a 3D VESA Sync port. Please visit www.OptomaUSA.com for more information.