Bright XGA Projection

X412

Exceptional brightness and lamp life

- Incredible 4,200 lumens and 50,000:1 contrast ratio
- Flexible installations with 1.1x zoom and RS232
- Accurate color with sRGB & REC.709 color profile
- Powerful 10 watt speaker
- Minimal maintenance with 15,000 hour lamp life

Project incredibly bright 4,200 lumens, XGA images with the Optoma X412. REC.709 and sRGB color profiles with a 50,000:1 contrast ratio ensures sharp and vivid images, ideal for classrooms, meeting and training rooms.

The 1.1x zoom, keystone correction and RS232 control deliver flexible installation options. Powerful 10-watt audio fills a room with loud and crisp audio to further enhance media and presentations.

Robust inputs include HDMI and VGA for connectivity to a wide range of devices. A 15,000-hour lamp life enables many years of use with minimal maintenance.
OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology          Texas Instruments 0.65” XGA DMD
Color Wheel                  6 Segment; RYGCWB
Native Resolution            XGA (1024 x 768)
Maximum Resolution          UXGA (1600 x 1200)
Brightness                   4,200 ANSI lumens
Contrast Ratio              50,000:1
Displayable Colors           1.07 billion
Lamp Life*                  4,000/10,000/15,000 (Bright/Eco/Dynamic)
Light Source Type*           245W lamp
Projection Method            front, rear, ceiling mount, table top
Keystone Correction         ±40 degree (vertical)
Geometry                    Keystone correction
Lens Shift                   N/A
Uniformity                  85%
Offset                      115% ±5%
Aspect Ratio                4:3 (native), 16:9, LBX and auto compatible
Throw Ratio                 1.94–2.16:1
Projection Distance         3.3’–32.8’ (without zoom)
Image Size                  27.5’–304.4”
Projection Lens             F=2.41–2.53, F=21.86-24mm
Optical Zoom                1.1x
Digital Zoom                0.8 – 2.0x
Audio                       10W
Noise Level                  26 dB
Remote Control              Full size remote
360° and Portrait Mode Operation No
Operating Temperature        41–104°F (5–40°C), 85% max humidity
Power Supply                AC input 100 - 240V, 50 - 60 Hz, auto-switching
Power Consumption           325W max, 295W typical (Bright mode), 225W max, 205W typical (Eco Mode)
High Altitude               Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality

COMPATIBILITY SPECIFICATIONS

Computer Compatibility       VGA, SVGA, HDTV(720P), XGA, XGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA
Video Input Compatibility    PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080p/1080p
3D Compatibility†            Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e. 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Vertical Scan Rate           50 – 85 Hz (120Hz for 3D feature projector)
Horizontal Scan Rate         15.375 – 91.146 KHz
Input Lag                    32ms
I/O Connection Ports         2x HDMI 1.4a, 1x VGA, 1x audio in, 1x USB-A, 1x VGA out, 1x audio out
Control                      RS232

PHYSICAL SPECIFICATIONS

Security                     Kensington® lock port, password (OSD)
Weight                       7.7 lbs
Dimensions (W x H x D)       12.4(W) x 9.5 (D) x 4.5(H)

Warranty                     3-year Optoma Express Warranty, 1-year on lamp
What’s in the Box            X412 projector, AC power cord, remote control, batteries for remote, carrying case, quick start guide and warranty card

Optional Accessories

Accessory Part Numbers

Lamp: BL-FU245A
Remote: BR-5080C
Carrying case: BK-4028
Ceiling mount: OCM815W
Ceiling mount: OCM818W-RU
Ceiling mount: BM-5001U

UPC                          796435 44 393 1

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Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.