

# HD28DSE Specification

Display Technology	Single 0.65" 1080p DMD chip, DLP ® Technology from Texas Instruments
Native Resolution	1080p 1920 x 1080
Brightness	3000 ANSI Lumens
Contrast Ratio	30,000:1
Lamp Life <sup>2</sup> Dynamic/Eco/Bright	8000/6000/4000 (hrs)
Throw Ratio <sup>3</sup>	1.48~1.62 D/W (±5% variance)
Zoom Type	1.1x Manual
I/O Connectors	2x HDMI 1.4a with MHL (on port 1), 3D Sync Port, mini USB, USB-A (USB Power Only), 12V Trigger
Speaker (Watts)	One 10-Watt Speaker
Keystone Correction	±40° Vertical and Horizontal
Weight	5.7 lbs (2.6 kg)
Dimensions (W x H x D)	12.4" x 4.5" x 8.8" (315 x 114 x 223 mm)
Aspect Ratio	16.9 (Native), 16:10, 4:3, LBX, Auto
Offset	116.5%
Projection Distance	59"~394"
Projection Lens	F=2.5~2.67, f=21.9~24 mm, manual zoom and focus
Uniformity	75%
Maximum Resolution	Full HD 1080p: 1920 x 1080 (Video Timing); WUXGA: 1920 x 1200 (Graphics Timing)
Computer Compatibility	WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Support	Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Compatibility	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60 Hz to 120 Hz or 24 Hz to 144 Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Horizontal Scan Rate	15.375~91.146 KHz
Vertical Scan Rate	24~85 Hz (120 Hz for 3D feature projector)
Displayable Colors	1.07 Billion
Noise Level (Eco mode)	29dB
Power Supply	Auto-ranging: 100V ~ 240V ± 10%, 50-60Hz
Power Consumption	238W Typical ( Bright mode), 262W Max (Bright mode), 195W Typical (Eco mode), 215W Max (Eco mode)
Lamp Type	210W
Operating Temperature	5~ 40°C
Security	Kensington® lock port, security bar, and keypad lock
On Screen Display	27 Languages: English, French, German, Spanish, Italian, Portuguese, Dutch, Swedish, Finnish, Greek, Danish, Norwegian, Polish, Russian, Simplified_Chinese, Traditional_Chinese, Korean, Arabic, Japanese, Thai, Hungarian, Czechoslovak, Turkish, Vietnamese, Farsi, Romanian, Indonesian
Remote Control	Backlit IR remote control
Standard Accessories	HD28DSE projector, lens cap, AC power cord, remote control, batteries for remote, multilingual CD-ROM, user's manual, quick start card, and warranty card
Optional Accessories	Universal ceiling mount, Wireless HDMI system, DLP® Link™ 3D glasses, RF 3D glasses, RF 3D emitter, Carrying case, HD Cast Pro
Optional Wireless	Yes
RoHS	Compliant
Projection method	Front, rear, ceiling mount, table top

## HD26 Specification

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	1080p 1920 x 1080
Brightness	3200 ANSI Lumens
Contrast Ratio	25,000:1
Lamp Life <sup>2</sup> Bright	6500 (hrs)
Throw Ratio <sup>3</sup>	1.48 - 1.62:1
Zoom Type	1.1x Manual
I/O Connectors	2 x HDMI (1.4a 3D support) + MHL, Audio Out 3.5mm, 12V trigger, 3D-Sync, USB service
Speaker (Watts)	10
Keystone Correction	± 40° Vertical
Weight	5.5 lbs (2.49 kg)
Dimensions (W x H x D)	12.4" x 8.8" x 4.0" (315 x 224 x 114 mm)
Aspect Ratio	16:9 Native, 16:10/4:3 Compatible
Offset	116% ±5%
Projection Screen Size	1.06 - 7.67m (41.8" - 300") Diagonal 16:9
Projection Distance	1.5 - 10m
Projection Lens	F/2.5~2.67; f=21.9~24mm, 1.1x Manual Zoom
Uniformity	80%
Maximum Resolution	1080p
Computer Compatibility	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Video Compatibility	1080p, 1080i, 720p, 576i/p, 480i/p
3D Support	Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Horizontal Scan Rate	15.375~91.146 KHz
Vertical Scan Rate	24 ~ 85Hz (120Hz for 3D)
Displayable Colors	1073.4 Million
Noise Level (Eco mode)	26dB
Power Supply	Input: 110 - 220v
Power Consumption	233W Bright mode / 193W Eco mode (< 0.5W Standby)
Lamp Type	190W
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Security	Security bar, Kensington lock, password protection
Remote Control	Backlit IR remote control
Standard Accessories	AC power cord, remote control, 2x AA batteries, quick start card, CD user manual, Optoma screen, RF 3D emitter, HD BaseT Kit
Optional Accessories	Wireless 3D system, Wireless 3D glasses, DLP® Link™ 3D glasses, wireless, ceiling mount
Optional Wireless	Yes
RoHS	Compliant
Projection method	Front, rear, ceiling mount, table top