Optoma

A Truly Brilliant
Full HD 1080p Projector

Full HD 1080p for detail and clarity

Exceptionally bright 3600 ANSI Lumens

RJ45 Networking capability

Vivid perfectly balanced colour for outstanding images and video

Pixelworks™ technology for excellent video performance

Quiet operation just 28dB

Filter Free no maintenance design

BrilliantColor™ With Multi-Color Processing For Rich, Vibrant Colors!
DLP

5 year IMAGER GUARANTEE

COLOUR GUARANTEED 5 YEARS

Full HD 1080P

EP1080
Digital DLP® Projector

EP1080

Powerful Full 1080p Projector

Full HD native resolution, astonishing imaging power, exceptional brightness and no-maintenance filter-free features come together in one beautifully designed projector. With its ultra bright 3600 ANSI Lumens and full HD 1080p resolution the EP1080 combines pin-sharp cinema class viewing that is ideal for large venues, conference rooms or advertising media. Its stunning image quality and whisper-quiet operation ensures the EP1080 meets your presentation needs. Dual image viewing for creative displays and networking control to give you the flexibility to use the EP1080 in many different ways.

EXCEPTIONAL BRIGHTNESS

The EP1080 delivers a class leading 3600 ANSI Lumens making it effective under virtually any lighting conditions.

FULL HD

Full HD (1920 x 1080) has twice the resolution of standard HD. EP1080 is compatible with HDTV broadcasts and high–definition DVDs to project impressive full 1080p images and video in their original digital brilliance.

XGA (1024 x 768)
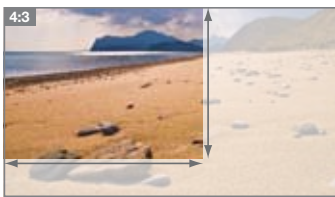
1080p (1920 x 1080)

PIXELWORKS™

The EP1080's sleek, contemporary style is matched with the industry's latest video enhancement technology. Pixelworks™ technology provides precise colour enhancement, as well as advanced scaling and de-interlacing. The result is studio-grade resolution, excellent performance in contrast, black level, sharpness and colour to ensure a riveting viewing experience.

8 BIT   **10 BIT**
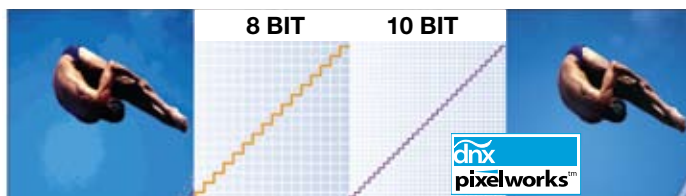
Straight edges at low angles emphasise the pixel matrix and produce "jaggies"

Low angle edges are inherent in all pixelated displays. Primitive algorithms simply" paint" images by crudly placing pixels

DNX LAI technology looks at multiple video lines before applying a mix of anti-aliasing algorithms to optimise angles

Full 10-bit image processing

The use of full 10-bit image processing provides richer looking colours. Images appear with finer detail and greater dynamic colour range.

STUNNING IMAGE QUALITY

Full HD 1080p technology delivers impeccable image quality associated with the best digital cinema performance around the world. Digital HDMI or DVI signal creates a true digital projection system that produces a spectacular High Definition display. This unprecedented combination ensures natural, life-like images with crystal clarity.

CONTROL

The extensive RS232 command set makes it simple and easy to control the EP1080 with any control system.

AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EP1080. This feature allows for easy installation with AMX control systems.

NETWORK CONTROL

Projectors can be controlled and monitored over a LAN network using a web browser.

- Manage up to 99 projectors at the same time (via master PC)
- Control and alter the projector settings using a simple web browser page
- Set up email alerts for warning messages
- Ideal for large installations both in the educational and business environments
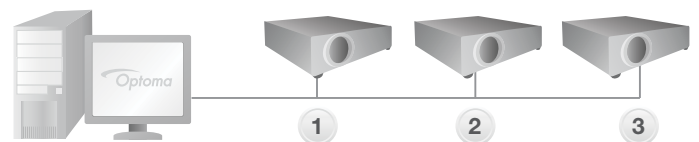
EP1080

AMAZING COLOUR AND IMAGE PERFORMANCE

The EP1080 incorporates BrilliantColor™ Technology and Pixelworks' 10-bit colour processing to ensure the images displayed are always smooth and natural. Optoma is so confident of its colour and image performance that we guarantee our projector will retain its vibrancy and precise picture performance.

BRILLIANTCOLOR™

BrilliantColor™ is a Texas Instruments technology, which uses innovations in image processing to improve the optical efficiency of DLP® projection systems. BrilliantColor™ allows the usage of a more advanced image processing algorithm and enables the use of more colours on the colour wheel, than the standard Red, Green, Blue and White segments.
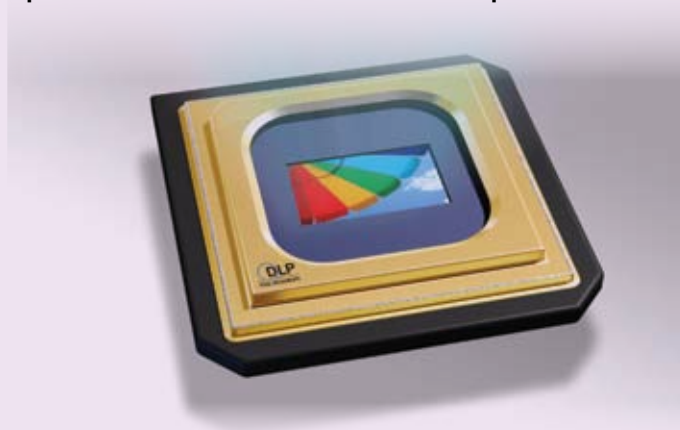
BrilliantColor™ technology enables higher brightness levels by boosting mid-tone colours, resulting in more vibrant, precisely accurate colours projected on the screen.

Key Advantages
1. Brighter Images
2. Improved colour spectrum
3. Smoother images and more accurate colours

Optoma uses Texas Instruments DLP® chips

COLOUR PERFORMANCE

Optoma guarantees colour quality will remain as new for 5 years*

We are so confident that the EP1080 colours will not fade that we guarantee the colours will remain vibrant and vivid, even after many years of use.

IMAGE PERFORMANCE

Optoma guarantees image quality will remain as new for 5 years***

The large screen experience demands sharp, flawless images with instant impact and lasting, crystal clear pictures. To retain image clarity Optoma projectors are designed with DLP® technology, preventing degradation over time and consistent pixel performance. The Imager Guarantee ensures a precise picture performance for a minimum of five years.

DLP® technology from Texas Instruments ensures image quality is delivered without compromises.

MAINTENANCE FREE - LOWER TOTAL COST OF OWNERSHIP (TCO)

DLP® technology ensures lower cost of ownership, longer life and improved reliability compared to other technologies such as LCD. The filter free projector design means no more regular filter cleaning or replacements, saving you time and money.

EASY TO USE

Quiet Operation

The EP1080 features Optoma's whisper-quiet design, highly effective in reducing audible noise levels to only 28dB.

Multi-Language Support

The on screen display (OSD) menu supports up to 17 European languages including French, German, Polish, Dutch, Swedish and Arabic.

SECURITY

Password Protected Operation

Acts as a theft deterrent and prevents unauthorised use.

Key Pad Lock

Enabled: unauthorised adjustments are prevented by ensuring the projector can only be controlled via the remote control.

ENERGY SAVING

Auto Power Off

If after a pre-determined time the projector does not receive a signal, it will turn itself off automatically, conserving power and extending the life of the lamp.

Direct Power On

Start-up time is significantly reduced as standby mode is passed over when the projector is turned on. The projector will power on when the power cable is inserted into an active power outlet. This eliminates the need to use the 'Power' button on the remote control or the projector keypad.

Signal Power On

The projector will power on when it receives a signal. This eliminates the need to use the 'Power' button on the remote control or the projector keypad.

Fast Switch On

Quickly displays an image after switching the projector on.

Low Power Standby Mode

Reduces energy consumption.

EXTENSIVE CONNECTIVITY

The EP1080 is designed for the HD world and accepts both HDMI and DVI-D inputs in addition to a wide variety of standard computer and video input signals.

Connectivity includes: HDMI, DVI-D, dual VGA–SCART and Component, S-Video, Composite, RS232 and RJ45.

Optoma produce an extensive range of Panoview screens. Connect easily to our electric screens using the +12v trigger providing smooth release of the screen when the projector is turned on.

CUSTOMISED START UP SCREEN

First impressions are important, so set the company logo as the start up screen to make that lasting impression.

PICTURE-IN-PICTURE

Project two different displays at the same time on one screen. The EP1080 creates innovative picture-in-picture on screen displays. Insert within a presentation a live conferencing feed, static text or graphics, the possibilities are endless. Present and interact with your audience with two different sources of information (one must be digital and the other analogue).
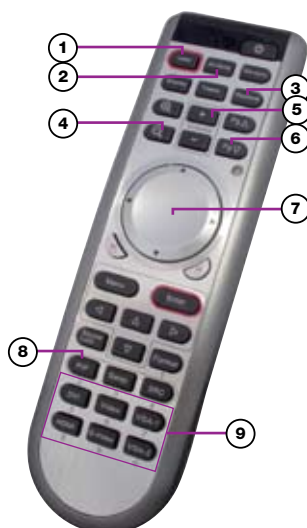
EP1080

Specifications

	EP1080
Native Resolution	1080p 1920 x 1080
Compatible Resolutions	UXGA, SXGA+, SXGA, WXGA, XGA, SVGA
Brightness	3600 ANSI Lumens
Contrast	2200:1
Noise Level	28/30dB (STD/BRIGHT mode)
Display Technology	0.95" 1080p Double Data Rate (DDR) chip – DLP® Technology by Texas Instruments
Dimensions (W x D x H)	411 x 311 x 116mm
Weight	4.5 kg
Lamp Life**	3000/2000 (STD/BRIGHT mode)
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
INPUTS	HDMI (HDCP) - audio supported DVI-D (HDCP) HDMI via adaptor 2 x 15 Pin D-Sub VGA Component via adaptor SCART via adaptor S-Video 4 Pin Mini Din Composite RCA Jack 3 x 3.5mm Audio Mini Jack - Audio computer inputs 2 x Stereo RCA - Audio video inputs USB (for remote mouse)
CONTROL	RS232 9 Pin D-Sub and RJ45 – Network
OUTPUTS	PC 15 Pin D-Sub VGA (monitor loop-through) 3.5mm Audio Mini Jack +12v Trigger
Audio	3W Speaker
Aspect Ratio	16:9 Native, 4:3 & 16:10 Compatible
Keystone Correction	± 10 Degrees Vertical
On Screen Display	17 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian, Danish, Hungarian, Czech & Arabic
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	134.2 Million
Projection Lens	F/2.6 ~ 2.89; f=39.12 ~ 46.91mm, 1.2x Manual Zoom
Throw Ratio	1.85 – 2.22:11 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.62 – 7.45m (24.44" – 293.31") Diagonal 16:9
Horizontal Scan Rate	15 – 100kHz
Vertical Scan Rate	24 – 100Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	400W BRIGHT mode < 14W Standby mode 340W STD mode < 14W Standby mode
Operating Conditions	Operating: 5 - 35°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	One Kensington Lock Port, Password Protection
Standard Accessories	Lens Cover, AC Power Cord, VGA Cable, USB Cable, RS232 Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see www.optomaeurope.com or ask your local supplier for details
Colour Guarantee*	5 Years
Imager Guarantee***	5 Years

Easy to use remote control

EP1080 Remote Control
1 Laser
2 AV Mute
3 Keystone
4 Zoom Control
5 Volume Control
6 Page Up/Down
7 Remote Mouse
8 PIP
9 Direct Input Source Selection

EP1080 Connections
10 RJ45
11 Audio In L&R (S-Video & Composite)
12 VGA Loop-through
13 Audio Out
14 Audio In (VGA1)
15 Audio In (VGA2)
16 Audio In (DVI-D)
17 RS232 - 9 Pin
18 +12v Trigger
19 USB
20 Composite Video
21 S-Video
22 VGA 1 - SCART & Component
23 VGA 2 - SCART & Component
24 DVI-D
25 HDMI (audio supported)

Easy to use remote with buttons to change the input sources

Exceptional Connectivity/Multiple Terminals

EP1080 Projection Distance 1.2 - 12m (16:9 Aspect Ratio)

Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.65	0.54	0.37	0.31	0.75	29.33	0.13
2.00	1.08	0.90	0.61	0.51	1.24	48.89	0.22
2.50	1.35	1.13	0.76	0.64	1.55	61.11	0.27
3.00	1.62	1.35	0.92	0.76	1.86	73.33	0.33
4.00	2.16	1.80	1.22	1.02	2.48	97.77	0.44
5.00	2.70	2.25	1.53	1.27	3.10	122.21	0.55
6.00	3.24	2.70	1.83	1.53	3.73	146.66	0.66
7.00	3.78	3.15	2.14	1.78	4.35	171.10	0.77
8.00	4.32	3.60	2.44	2.04	4.97	195.54	0.88
9.00	4.86	4.05	2.75	2.29	5.59	219.98	0.99
10.00	5.41	4.50	3.05	2.54	6.21	244.43	1.10
11.00	5.95	4.95	3.36	2.80	6.83	268.87	1.21
12.00	6.49	5.41	3.6	3.05	7.45	293.31	1.32

For guide purposes only

EP1080 is capable of 4:3 and 16:10 aspect ratio projection. When projecting a 4:3/16:9 image the image sizes, screen height and offset information will differ from the above.

Panoview
Optoma recommended Screens
www.panoview.eu

DLP PICTURE BY
TEXAS INSTRUMENTS