

**EH1020**  
DLP® Projector

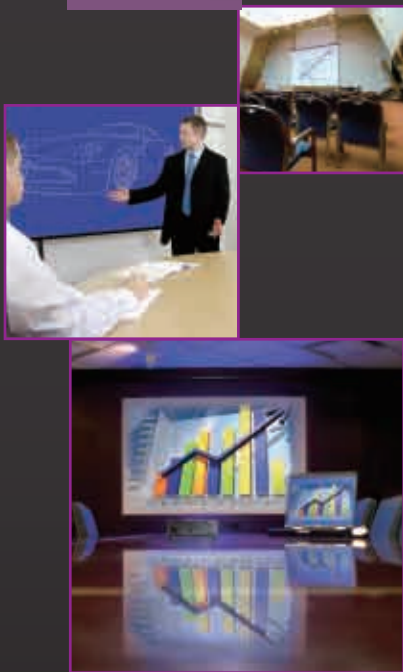
# Make an **impact**

## Powerful Full 1080p Projector

Full HD, native resolution for applications where you want to make an impact. The EH1020 produces crystal-clear full HD images, perfect for projection for a broad range of applications including technical, advertising media and medical uses where detail matters. Installed or on the move, the versatile EH1020 incorporates extensive connectivity and powerful 8W speakers.



The environmentally friendly EH1020 has energy saving features including <1W standby mode and auto power off saving you both time and money. Our unique Optoma Color and Imager guarantees ensure hassle-free, long-lasting projection.



- Full HD 1080p for detail and clarity
- Bright projection – 3000 ANSI Lumens
- Digital connectivity, HDMI – perfect Full HD display
- Low ownership costs – up to 4000hrs lamp life
- 8W speaker – all-in-one multimedia set-up
- Rapid power on and shutdown - saving you time & money
- Portable – carry bag provided for easy transportation
- Environmentally friendly design <1W standby mode
- Optoma EH1020 filter-free design – virtually no maintenance



Spec	EH1020
Native Resolution	1080p 1920 x 1080
Brightness	BRIGHT mode 3000 ANSI Lumens
Contrast	2200:1
Noise	31dB
Display Technology	Single 0.65" 1080p DMD chip DLP® Technology by Texas Instruments
Throw Ratio	1.5 - 1.8:1 ( Projection Distance:Image Width )
Projection Distance	1.2 - 12m
Projection Lens	F/2.55~2.87; f=22.41~26.82mm, 1.2x Manual Zoom
Image Size	30.15" - 361.75" Diagonal 16:9
Offset	116%
Weight / Dimensions (WxDxH)	2.9 kg / 324 x 234 x 97mm
Lamp Life	4000/3000 ( STD/BRIGHT mode )
INPUTS	HDMI ( HDCP ) - audio supported 15 Pin D-Sub VGA ( SCART/Component via adaptor ) S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack - Audio computer inputs Stereo RCA - Audio video inputs USB ( remote mouse )
CONTROL	RS232 - 3 Pin Mini DIN
OUTPUT	15 Pin D-Sub VGA, Mini Jack, +12v Trigger
Audio	8W Speaker
Aspect Ratio	16:9 Native, 16:10/4:3 Compatible
Keystone Correction	±20° Vertical
Compatible Resolutions	UXGA, SXGA+, HD, WXGA, XGA, SVGA
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p / 1080i /1080p
Uniformity	85%
Displayable Colors	1.07 Billion
Scan Rate	Horizontal:15 - 91kHz, Vertical:25 - 85Hz
Power Supply	100-240V, 50-60Hz
Power Consumption	308W BRIGHT mode < 1W Standby mode 256W STD mode < 1W Standby mode
RoHS	Compliant
Warranty	Warranty may vary by country. Please see www.optoma.com or ask your local supplier for details

For guide purposes only. EH1020 is capable of 16:10/4:3 aspect ratio projection. When projecting a 16:10/4:3 image the image sizes, screen height and offset information will differ from the above.  
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## FULL HD

Full HD (1920x1080) has twice the resolution of standard HD. EH1020 is compatible with HDTV broadcasts and high-definition DVDs to project impressive full 1080p images and video in their original digital brilliance.



XGA (1024x768)



1080p (1920x1080)

## EXTENSIVE CONNECTIVITY

This native 1080p projector accepts a wide variety of computer and video input signals. Connectivity includes: HDMI, VGA (SCART / Component via adaptor), S-Video, Composite, VGA-Out, RS232 and +12V trigger.

Two audio inputs for individual PC and video connections enable the EH1020 to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.

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\*Optoma guarantees that in normal use, Optoma DLP® color quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault. Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive.  
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Projection Distance (M)	1.5	3	5	8	10	12	
Screen Size 16:9 (inch)	Max	45.2	90.3	150.6	240.9	301.1	361.4
	Min	37.6	75.3	125.5	200.8	251.0	301.2

## CONNECTIVITY



- 01 ..... USB (Remote Mouse)
- 02 ..... VGA OUT
- 03 ..... VGA - SCART & Component
- 04 ..... HDMI (audio supported)
- 05 ..... S-Video
- 06 ..... Composite Video
- 07 ..... Audio Out
- 08 ..... RS232
- 09 ..... +12v Trigger
- 10 ..... Audio In (VGA)
- 11 ..... Audio In L & R (S-Video & Composite)
- 12 ..... Kensington™ Lock
- 13 ..... Security Bar

## RESOLUTION COMPARISON



### Projector Resolution

		PC Compatibility				Video Compatibility	
		XGA 1024 x 768	WXGA 1280 x 800	SXGA 1280 x 1024	SXGA+ 1400 x 1050	HD Ready (720p)	Full HD (1080p)
XGA	1024 x 768	✓	-	-	-	-	-
720p	1280 x 720	-	-	-	-	✓	-
WXGA	1280 x 800	✓	✓	-	-	✓	-
1080p	1920 x 1080	✓	✓	✓	✓	✓	✓

## AUDIO CAPABILITY

Built-in 8W speaker offers excellent audio support. The EH1020 is easy to set up without the need for costly external speakers.

## AMAZING COLORS

The EH1020 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colors.

## ENVIRONMENTALLY FRIENDLY

The EH1020 incorporates energy saving features to conserve power and extend the lamp life.

