

LV-HD420

In the office or in the classroom, the LV-HD420 delivers the perfect blend of convenience and performance.

Introducing the ultimate portable projector. With DLP™ technology, full HD resolution and stunning 4,200-lumen brightness, the ultra-portable Canon LV-HD420 delivers outstanding projector-performance in a light, compact form.



- The ultimate portable projector thanks to its light, compact 3.4-kg chassis
- Native full HD 1080p resolution (1920 x 1080) with a 16:9 aspect ratio
- DLP™ technology provides faithful, crisp image reproduction
- Superb image clarity delivered by 4,200-lumen brightness
- 8,000:1 contrast ratio (full on/full off), delivering rich colours and deep blacks
- Broad connection compatibility, with HDMI (MHL) and RJ-45 Network ports
- Capable of projecting screen sizes from 30-320 inches
- Features both vertical and horizontal keystone correction (+/- 30°)
- Up to 3,000-hour lamp life (when used in Eco mode)
- Extremely low power consumption, ensuring economical operation

Technical Specifications

PANEL

Type	1-Chip DLP
Size and Number	0.65" diagonal x 1
Aspect Ratio	16:9
Native Resolution	1920 x 1080 (1080P), 2,073,600 pixels

OPTICS

Lamp Type	310W Super High Pressure Mercury Lamp
Lens F Number and Focal Length	F2.42 - F2.97; f=20.7 - 31.1mm
Zoom Magnification and Control	1.5x Manual
Focus Control	Manual
Lens Shift	Vertical: 65%, Fixed
Lamp Life	2500 (normal), 3000 (Eco)

IMAGE AND AUDIO

Brightness	4200 lumens / 3360 lumens
Brightness Uniformity	80%
Contrast Ratio	8,000:1 (full on / full off)
Projection Distance Coverage	1.2m - 10m
Screen Size	30" - 320" (66 x 37cm - 708 x 398cm)
Projection Ratio	1.83 - 2.75:1
Digital Zoom Magnification	2x
Keystone Correction Range	Vertical: +/-30° Horizontal: +/-30°
Digital RGB Compatibility	WUXGA / UXGA / WXGA+ / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA
Analogue RGB Compatibility	WUXGA / WSXGA+ / UXGA / WXGA+ / WXGA / SXGA+ / SXGA / XGA / SVGA / VGA / MAC
Digital Video Scan Systems	1080p / 1080i / 720p / 576p / 480p
MHL Input	1080p / 1080i / 720p / 576p / 576i / 480p / 480i
Component Video Scan Systems	1080p / 1080i / 720p / 576p / 576i / 480p / 480i
Video / S-Video Colour Systems	PAL / PAL-M / PAL-N / NTSC / NTSC4.43 / SECAM
Aspect Ratio	Fill / 4:3 / 16:9 / Letter Box / Real / 2.35:1
3D content	HDMI using DLP-Link: Frame Sequential/Frame Packing/Top-Bottom/Side-By-Side

Image Modes

Built-in Speaker

Standard / Presentation / Movie / sRGB / User
10W RMS, Monaural

PORTS AND CONNECTORS

Digital RGB / Digital Video

MHL

Analogue RGB Input 1

Analogue RGB Input 2

Composite Video

S Video input

Monitor Out

Audio Input 1

Audio Input 2

Mic Input

Audio Output

USB Port

USB Port

Projector Control

LAN Network Port

HDMI™
MHL Input
Mini D-Sub 15-pin
Mini D-Sub 15-pin
RCA
Mini-Din4
Mini D-sub 15-pin
3.5mm stereo mini-jack
3.5mm stereo mini-jack
3.5mm mini-jack (only mic or audio input 2 can be enabled)
3.5mm stereo mini-jack (variable level)
Power supply terminal (1.5A) Type A
Service port USB Type B
RS-232C Mini D-Sub 9-pin
RJ-45 (100BASE-TX / 10BASE-T)

MECHANISMS

Elevation Mechanism

One front, one rear rotary feet, 3° maximum image elevation

RATINGS

Dimensions (W x H x D)

Weight

Power Source

Power Consumption

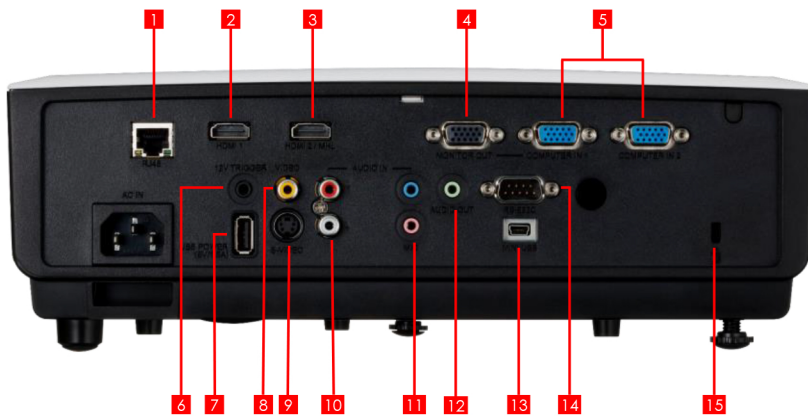
Noise Level

Operating Environment

314mm x 112mm x 231mm (Including protrusions)
3.4kg
100V - 240V AC, 50/60Hz
Normal Mode: 410W / Eco Mode: 320W / Standby: 2W / Standby (LAN off): 0.5W
Normal Mode: 40dB / Eco Mode: 36dB
5°C to +40°C (RH: 10-85%)

Footnotes

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.



- 1 LAN (RJ-45)
- 2 HDMI 1
- 3 HDMI 2 / MHL
- 4 Monitor out Mini D-sub 15-pin
- 5 Analog PC Mini D-sub 15-pin
- 6 12v output (trigger for screen)
- 7 USB type A power supply
- 8 Composite video input
- 9 S video input Mini DIN-4
- 10 Audio L/R input
- 11 Audio input / Mic input*
- 12 Audio output
- 13 USB Type B service port
- 14 RS-232C Mini D-sub 9-pin
- 15 Antitheft lock

*either audio or mic can be enabled

Throw distance table

Image size 16:9	Diagonal (inch)	30	40	60	80	100	120	140	160	180	200	210	220	240	260	280	300	320
	Width (cm)	66	89	133	177	221	266	310	354	398	443	465	487	531	576	620	664	708
	Height (cm)	37	50	75	100	125	149	174	199	224	249	262	274	299	324	349	374	398
Distance	Wide (m)		1.23	1.85	2.46	3.08	3.69	4.31	4.92	5.54	6.15	6.46	6.77	7.39	8	8.62	9.23	9.85
	Tele (m)	1.39	1.85	2.78	3.7	4.63	5.55	6.48	7.4	8.33	9.25	9.72						