

# 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

## Product Range



LV-HD420



LV-WX320



LV-X420

## LV-HD420

LV-WX320

LV-X420

LV-X320

## 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

Standard / Presentation / Movie / sRGB / User

### Built-in Speaker

10W RMS, Monaural

### PORTS AND CONNECTORS

#### Digital RGB / Digital Video

HDMI™

#### MHL

MHL Input

#### Analogue RGB Input 1

Mini D-Sub 15-pin

#### Analogue RGB Input 2

Mini D-Sub 15-pin

#### Composite Video

RCA

#### S Video input

Mini-Din4

#### Monitor Out

Mini D-sub 15-pin

#### Audio Input 1

3.5mm stereo mini-jack

#### Audio Input 2

3.5mm stereo mini-jack

#### Mic Input

3.5mm mini-jack (only mic or audio input 2 can be enabled)

#### Audio Output

3.5mm stereo mini-jack (variable level)

#### USB Port

Power supply terminal (1.5A) Type A

#### USB Port

Service port USB Type B

#### Projector Control

RS-232C Mini D-Sub 9-pin

#### LAN Network Port

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)

314mm x 112mm x 231mm (Including protrusions)

#### Weight

3.4kg

#### Power Source

100V - 240V AC, 50/60Hz

#### Power Consumption

Normal Mode: 410W / Eco Mode: 320W / Standby: 2W / Standby (LAN off): 0.5W

#### Noise Level

Normal Mode: 40dB / Eco Mode: 36dB

#### Operating Environment

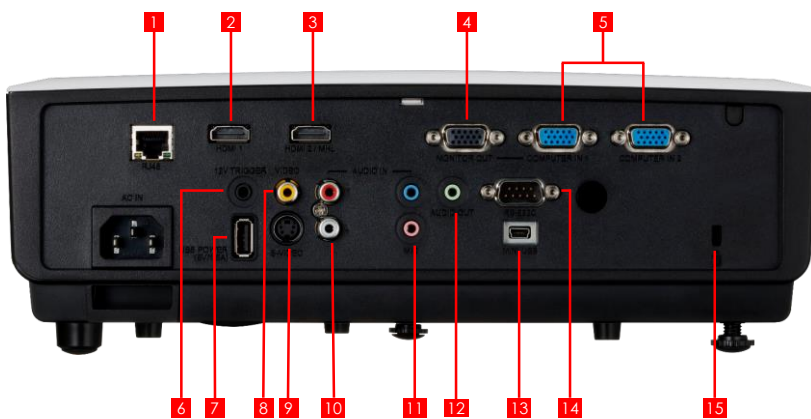
5°C to +40°C (RH: 10-85%)

#### Warranty

3 years

### 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
Distance	Height (cm)	37	50	75	100	125	149	174	199	224	249	262	274	299	324	349	374	398
	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
Distance	Tele (m)	1.39	1.85	2.78	3.7	4.63	5.55	6.48	7.4	8.33	9.25	9.72						

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Sales Start Date: May 17



#### Product Details:

Product Name	Mercury Code	EAN Code
Multimedia Projector LV-HD420 (E)	1905C003AA	4549292089585
Multimedia Projector LV-HD420 (GB)	1905C005AA	8714574648958

#### Optional Accessories:

Product Name	Mercury Code	EAN Code
Lamp Assembly LV-LP42	1907C001AA	4549292091960
Remote Controller LV-RC11	2137C001AA	4549292092042

#### Measurement / Logistic Information:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
Multimedia Projector LV-HD420 (E)	1905C003AA	EA	Each	1	231	314	112	Approx. 3.2	
Multimedia Projector LV-HD420 (GB)	1905C005AA	CT	Carton	1	304	193	378		Approx. 3.3

#### What's in the box?

- Remote Control Unit: LV-RC11
- Lithium Coin Battery, type CR2025 x 1
- AC Mains Power Cable
- VGA to VGA Computer Connection Cable, 1.8 m
- User manual (CD Rom)
- Warranty Card
- Important Information Document