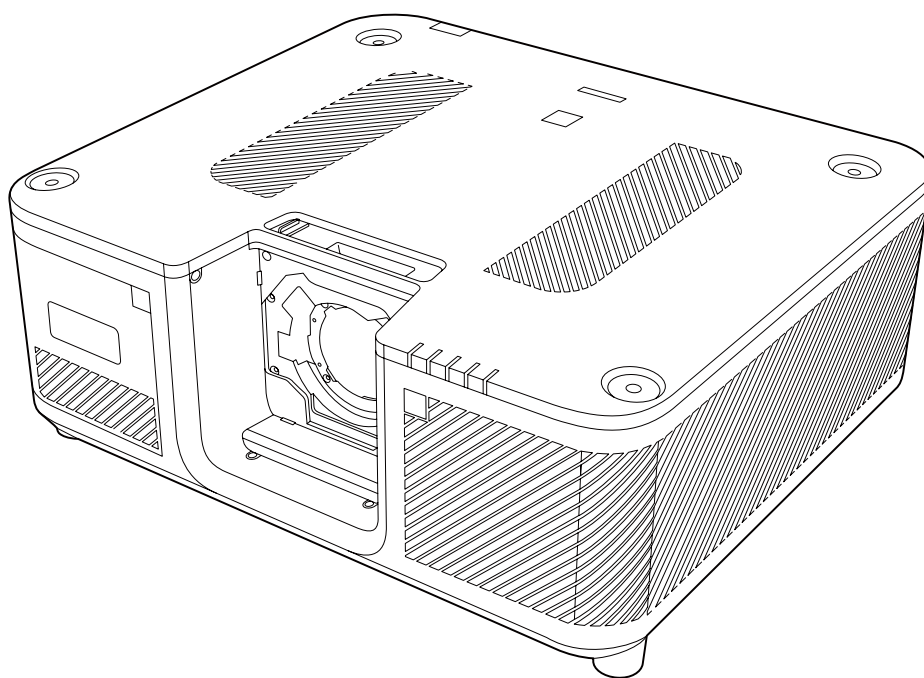


EPSON

EB-XQ2030B

Specifications



TOC

■ Projector Specifications	3
■ Optional Accessories Specifications	5
■ Projector Parts - Interface	10
■ Supported Monitor Display Resolutions	11
■ File Formats Supported in Content Playback Mode	14
■ External Dimensions	15
■ Precautions on Installation	19
■ Screen Size and Projection Distance	23
■ Remote Control Operation	29
■ Keystone Correction Range	30
■ Curved Surface Correction Range for Camera Assist	35
■ Monitoring and Controlling the Projector	37
■ ESC/VP21 Command List	38
■ Cable Layouts	41
■ PJLink Command List	42
■ Art-Net / sACN Channel Specifications	44
■ Getting the Latest Version of the Documents	49
■ Trademarks	49
■ Copyright Notice	49
■ Disclaimer	49
■ Copyright Attribution	49

■ Projector Specifications

Item	EB-XQ2030B
Dimensions	620 (W) × 205 (H) × 530 (D) mm (not including raised section)
Projection system	RGB liquid crystal shutter projection system
LCD panel size (diagonal)	1.04"
Display method	3LCD
Number of pixels	Full HD (1,920 (W) × 1,080 (H) dots) × 3
Resolution	8,294,400 dots (1,920 × 1,080 × 4)
Focus adjustment	Powered
Zoom adjustment *2	1.0 to 1.6 (Optical Zoom)
F-Number *2	1.8 to 2.3
Focal length *2	36.0 to 57.4 mm
Throw Ratio	1.52 to 2.47
Projection lens	Optional lens supported. Standard lens: ELPLM15H
Lens Shift *2	Powered Maximum vertical direction: Approx. ± 64% Maximum horizontal direction: Approx. ± 16%
Light source	Laser diode
Wavelength	449 to 461 nm
Light source output power	Up to 900 W
Laser class (internal laser light source)	Class 4
Light source operation time *1	Light Source Mode: Normal, Quiet: Up to about 20,000 hours Light Source Mode: Extended: Up to about 30,000 hours
Brightness *2*4	Light Source Mode: Normal: 30,000 lm Light Source Mode: Quiet, Extended: 21,000 lm
Contrast ratio *4	5,000,000:1 exceeded (Dynamic Contrast Normal/High Speed)
Color reproducibility	Up to 1,070 million colors (Depends on the interface)
Scanning frequency	HDMI 1/ 2: Horizontal: 26.97 to 270 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60/100/119.88/120 Hz HDBaseT: Horizontal: 26.97 to 135 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60 Hz SDI: Horizontal: 26.97 to 135 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60 Hz
Speaker	-
Power supply	100 - 120 VAC 50/60 Hz 12.0 A 200 - 240 VAC 50/60 Hz 10.6 A
Operating power consumption (100 to 120 V area)	1,036 W
Operating power consumption (220 to 240 V area)	Light Source Mode: Normal, Custom: 2,073 W Light Source Mode: Quiet, Extended: 1,324 W
Standby power consumption	Communication Off: 1.0 W
Noise Level *4	Light Source Mode: Normal: 47 dB Light Source Mode: Quiet: 37 dB
Thermal output (max.)	100 to 120 V area: 3522.4 BTU/h 220 to 240 V area: 7048.2 BTU/h
Air flow (max.)	435.7 CFM
Operating altitude	Altitude of 0 to 3,048 m
Operating temperature (when using a single projector installation)* 3	Altitude of 0 to 2,286 m: 0 to +50° C (Humidity of 20 to 80%, No condensation) Altitude of 2,287 to 3,048 m: 0 to +45° C (Humidity of 20 to 80%, No condensation)
Storage temperature	-10 to +60° C (Humidity of 10 to 90%, No condensation)

Item	EB-XQ2030B
Mass (not including lens)	Approx. 34.4 kg
Network	RJ45 (100BASE-TX / 10BASE-T) × 1

*1 Approximate time until the light source brightness decreases to half of its original value. (Assuming the projector is being used in an environment containing airborne particles of 0.04 mg/m³ or less. This is an approximate guide only and may change depending on the projector's usage and surroundings.)

*2 The specifications are when the standard lens is attached.

*3 Light source brightness automatically dims if the surrounding temperature gets too high. (Approximately 40° C at an altitude of 0 to 2,286 m, and approximately 35° C at an altitude of 2,287 to 3,048 m; however, this may vary depending on the surrounding environment.)

*4 All average values for this product at time of shipping comply with the ISO 21118 international standards.

This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

Wireless Channels Supported Frequency

EB-XQ2030B

Check the Region Code displayed under Wireless LAN in Network information, and see the table below to check the supported frequencies for the corresponding region code.

Region Code	EU/ME/KR	US/LA/TW	ID
2.4GHz Ch1 - Ch11 (2.400 - 2.473GHz)	Yes	Yes	Yes
2.4GHz Ch12, 13 (2.473 - 2.4835GHz)	Yes	No	Yes
5GHz Ch36, 40, 44, 48 (5.15 - 5.25GHz)	Yes	Yes	No
5GHz Ch52, 56, 60, 64 (5.25 - 5.35GHz)	No	No	No
5GHz Ch100 - Ch140 (5.47 - 5.725GHz)	No	No	No
5GHz Ch149 - Ch165 (5.725 - 5.85GHz)	No	Yes	No

■ Optional Accessories Specifications

The following sections explain the specifications of the optional accessories.

Lens Compatibility Table

Lens Model Number	Projector Model Number
	EB-XQ2030B
ELPLX02* ELPLX02W* ELPLX02S* ELPLX02WS*	✓
ELPLU06H	✓
ELPLX04H	✓
ELPLU07H	✓
ELPLU04H	✓
ELPLW08H	✓
ELPLW06H	✓
ELPLM15H	✓
ELPLM10H	✓
ELPLM11H	✓
ELPLL08	✓
ELPLL11H	✓
ELPLU03S *	✓
ELPLU04 *	✓
ELPLW08 *	✓
ELPLW06 *	✓
ELPLM15 *	✓
ELPLM10 *	✓
ELPLM11 *	✓

* When using this lens, the projector will start up with limited brightness.

Lens Specifications

Lens Model Number	Projector Size when Lens Installed D (mm) (Without lens hood)	Amount of Lens Protrusion (mm) (Without lens hood)	Lens Diameter (mm)	Lens Mass (g)	F Value	f (mm)	Zoom Rate
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	593.9	63.9	-	5000	1.9	8.0	-
ELPLU06H	764.1 (756.9)	234.1 (226.9)	φ 141	4100	2.0 - 2.2	9.1 - 11.4	1.3
ELPLX04H	650.2 (583.0)	120.2 (53.0)	-	4300	2.0 - 2.2	9.1 - 11.4	1.3
ELPLU07H	611.9	81.9	φ 153	3220	1.9 - 2.2	10.9 - 14.6	1.35
ELPLU04H	622.7	92.7	φ 153	3300	1.9 - 2.2	14.7 - 20.6	1.4
ELPLW08H	623.9 (615.0)	93.9 (85.0)	φ 138.5	3050	2.0 - 2.2	19.7 - 27.5	1.4
ELPLW06H	586.0	56.0	φ 129.8	2950	1.8 - 2.3	27.3 - 37.0	1.4
ELPLM15H	551.6	21.6	φ 104.6	1900	1.8 - 2.3	36.0 - 57.4	1.6
ELPLM10H	594.6	64.6	φ 104.6	2200	1.8 - 2.4	55.4 - 83.3	1.5
ELPLM11H	601.4	71.4	φ 104	2200	1.8 - 2.4	80.6 - 121.1	1.5
ELPLL08	599.8	69.8	φ 104	2200	1.8 - 2.5	119.0 - 165.4	1.4
ELPLL11H	657.9	127.9	φ 131	3500	1.8 - 2.3	164.6 - 255.0	1.6
ELPLU03S	585.5	55.5	φ 149.9	2300	2.0 - 2.3	11.1 - 13.1	1.2
ELPLU04	614.5	84.5	φ 150	3100	2.0 - 2.1	14.8 - 17.7	1.2
ELPLW08	615.0	85.0	φ 138.5	3050	2.0 - 2.2	19.7 - 27.5	1.4

Lens Model Number	Projector Size when Lens Installed D (mm) (Without lens hood)	Amount of Lens Protrusion (mm) (Without lens hood)	Lens Diameter (mm)	Lens Mass (g)	F Value	f (mm)	Zoom Rate
ELPLW06	586.0	56.0	φ 129.8	2950	1.8 - 2.3	27.3 - 37.0	1.4
ELPLM15	551.6	21.6	φ 104.6	1900	1.8 - 2.3	36.0 - 57.4	1.6
ELPLM10	594.6	64.6	φ 104.6	2200	1.8 - 2.4	55.4 - 83.3	1.5
ELPLM11	601.4	71.4	φ 104	2200	1.8 - 2.4	80.6 - 121.1	1.5

Light Output

Lens Model Number	EB-XQ2030B			
	200V		100V	
	Light Output (lm)	Brightness Limit (%)	Light Output (lm)	Brightness Limit (%)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	20,000	79	12,800	50
ELPLU06H	23,800	100	12,000	50
ELPLX04H	23,500	100	11,900	50
ELPLU07H	26,700	100	13,500	50
ELPLU04H	27,800	100	14,000	50
ELPLW08H	28,500	100	14,400	50
ELPLW06H	28,700	100	14,500	50
ELPLM15H	30,000	100	15,200	50
ELPLM10H	29,700	100	15,000	50
ELPLM11H	28,500	100	14,400	50
ELPLL08	28,500	100	14,400	50
ELPLL11H	28,800	100	14,500	50
ELPLU03S	20,000	78	13,000	50
ELPLU04	20,000	70	14,300	50
ELPLW08	20,000	72	14,400	50
ELPLW06	20,000	70	14,500	50
ELPLM15	20,000	67	15,200	50
ELPLM10	20,000	67	15,000	50
ELPLM11	20,000	70	14,400	50

Lens Function Table

Lens Model Number	Function						
	Powered Zoom	Powered Focus	Powered Distortion	Powered Lens Shift	Lens Memory	Lens Type Recognition	Camera Assist
ELPLX02 ELPLX02W	-	✓	✓	✓	✓	✓	-
ELPLX02S ELPLX02WS	-	✓	✓	✓	✓	✓	✓
ELPLU06H	✓	✓	✓	✓	✓	✓	✓
ELPLX04H	✓	✓	✓	✓	✓	✓	✓
ELPLU07H	✓	✓	✓	✓	✓	✓	✓
ELPLU04H	✓	✓	✓	✓	✓	✓	✓
ELPLW08H	✓	✓	✓	✓	✓	✓	✓
ELPLW06H	✓	✓	-	✓	✓	✓	✓
ELPLM15H	✓	✓	-	✓	✓	✓	✓

Lens Model Number	Function						
	Powered Zoom	Powered Focus	Powered Distortion	Powered Lens Shift	Lens Memory	Lens Type Recognition	Camera Assist
ELPLM10H	✓	✓	-	✓	✓	✓	✓
ELPLM11H	✓	✓	-	✓	✓	✓	✓
ELPLL08	✓	✓	-	✓	✓	✓	-
ELPLL11H	✓	✓	-	✓	✓	✓	-
ELPLU03S	✓	✓	✓	✓	✓	✓	✓
ELPLU04	✓	✓	✓	✓	✓	✓	✓
ELPLW08	✓	✓	✓	✓	✓	✓	✓
ELPLW06	✓	✓	-	✓	✓	✓	✓
ELPLM15	✓	✓	-	✓	✓	✓	✓
ELPLM10	✓	✓	-	✓	✓	✓	✓
ELPLM11	✓	✓	-	✓	✓	✓	✓

External Camera Correspondence Table

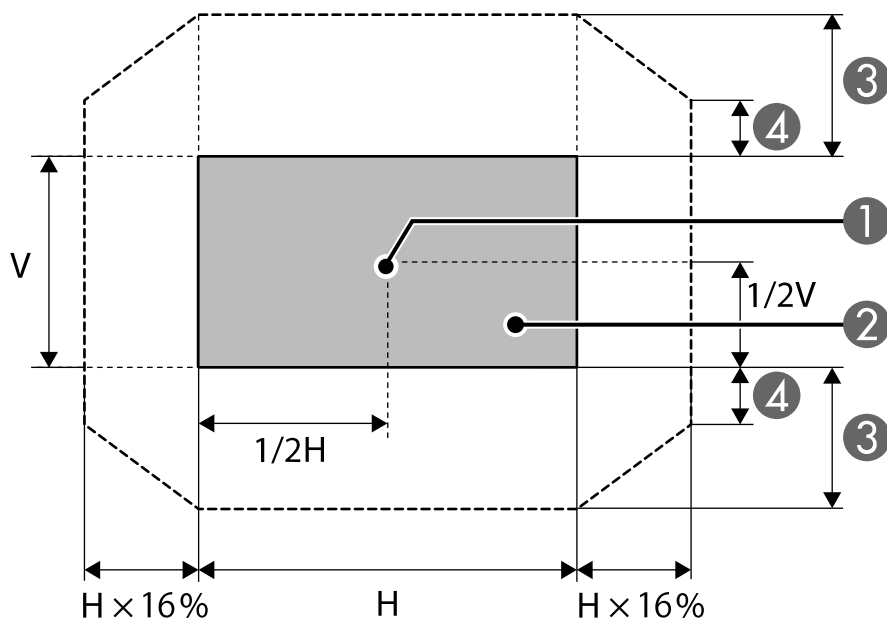
Lens Model Number	Function				
	Blending (flat screen/concave screen/convex screen)	Stacking (flat screen/concave screen/convex screen)	Color Calibration (flat screen/concave screen/convex screen)	Screen Matching (flat screen/concave screen)	Remote camera access
ELPLX02S ELPLX02WS	-	-	-	-	-
ELPLU06H	✓	✓	✓	✓	✓
ELPLX04H	✓	✓	✓	✓	✓
ELPLU07H	✓	✓	✓	✓	✓
ELPLU04H	✓	✓	✓	✓	✓
ELPLW08H	✓	✓	✓	✓	✓
ELPLW06H	✓	✓	✓	✓	✓
ELPLM15H	✓	✓	✓	✓	✓
ELPLM10H	✓	✓	✓	✓	✓
ELPLM11H	✓	✓	✓	✓	✓
ELPLL08	-	-	-	-	-
ELPLL11H	-	-	-	-	-
ELPLU03S	✓	✓	✓	✓	✓
ELPLU04	✓	✓	✓	✓	✓
ELPLW08	✓	✓	✓	✓	✓
ELPLW06	✓	✓	✓	✓	✓
ELPLM15	✓	✓	✓	✓	✓
ELPLM10	✓	✓	✓	✓	✓
ELPLM11	✓	✓	✓	✓	✓

Available Lens Shift Adjustment Range

The ranges within which the image can be moved are shown below.

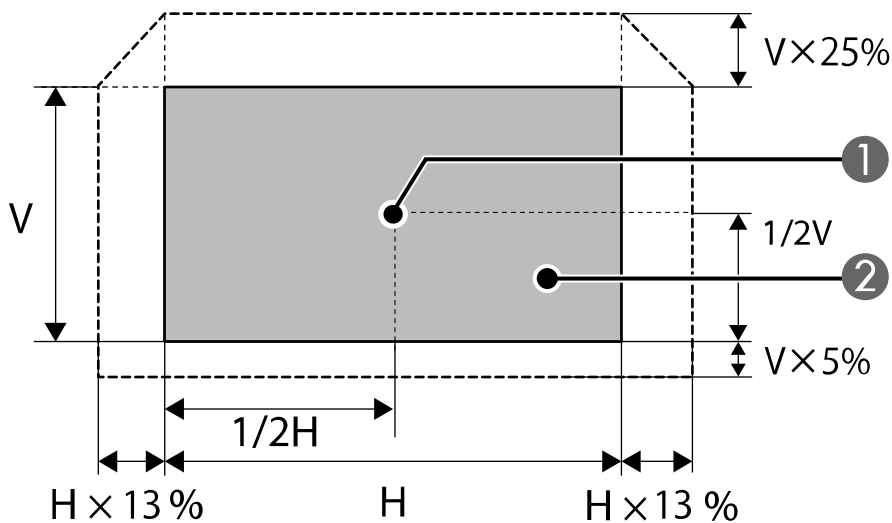
The position of the projected image cannot be moved to both the horizontal and vertical maximum values.

When using ELPLU06H/ELPLX04H/ELPLU07H/ELPLU04H/ELPLW08H/ELPLW06H/ELPLM15H/ELPLM10H/ELPLM11H/ELPLL08/ELPLL11H/ELPLU04/ELPLW08/ELPLW06/ELPLM15/ELPLM10/ELPLM11



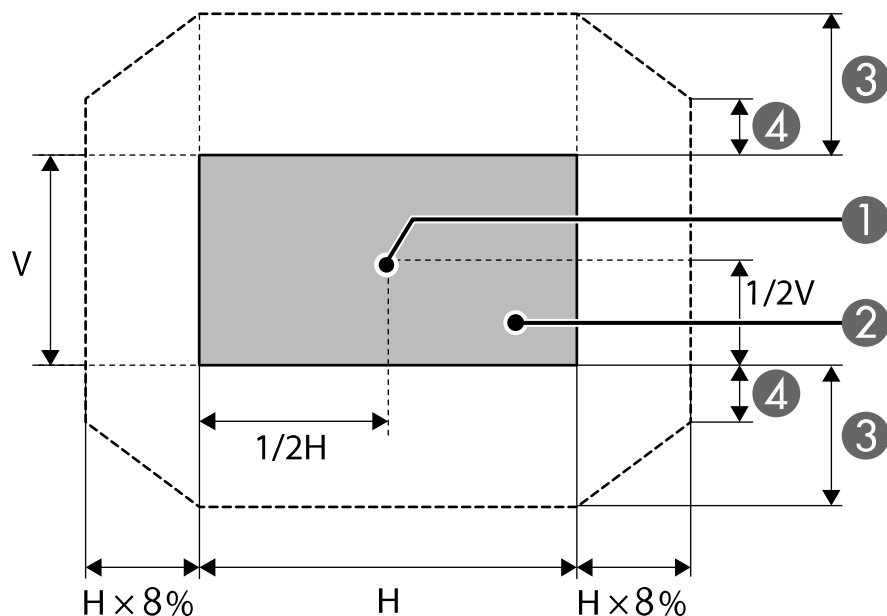
- ① Center of projected image
- ② Projected image when the lens position is moved to the home position
- ③ Maximum motion range: $V \times 64\%$
- ④ When the horizontal direction is at the maximum value: $V \times 33\%$

When using ELPLX02S/ELPLX02WS/ELPLX02/ELPLX02W



- ① Center of projected image
- ② Projected image when the lens position is moved to the home position

When using ELPLU03S

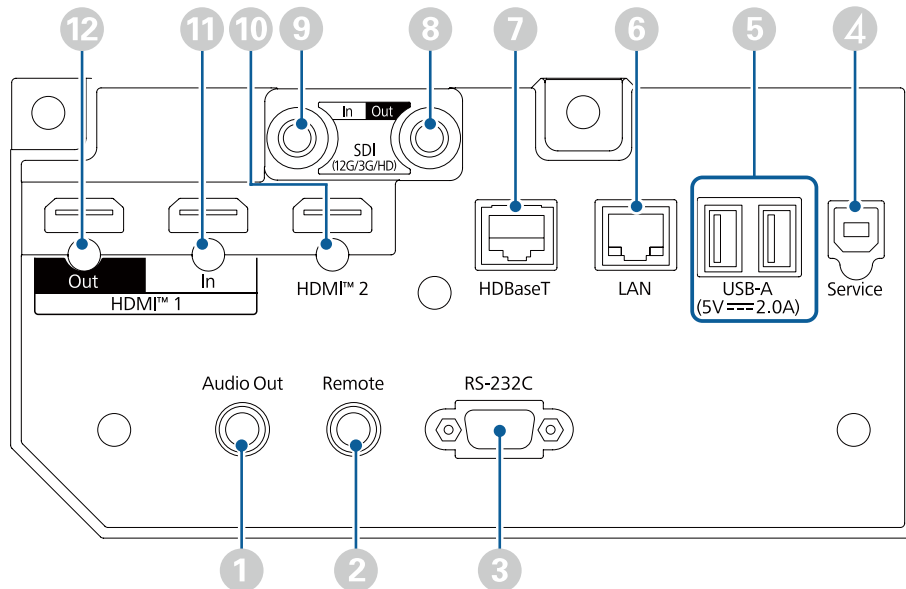


- ① Center of projected image
- ② Projected image when the lens position is moved to the home position
- ③ Maximum motion range: $V \times 25\%$
- ④ When the horizontal direction is at the maximum value: $V \times 0\%$

External Camera Specifications

Product name	Dimensions	Weight	Specifications
External Camera ELPEC01	103 (W) $\times$ 49 (H) $\times$ 47 (D) mm	Approx. 150 g	Image sensor: CMOS Sensor size: 1/2.9 inches Resolution: 2 million pixels Frame rate: 15 fps AC Voltage: 5 V (USB power supply) Power consumption (while operating): less than 1.5 W (300 mA)

■ Projector Parts - Interface



No.	Name	Note
①	Audio Out port (Stereo mini pin jack)*1	Outputs audio from the current input source to an external speaker.
②	Remote port (Stereo mini pin jack)	Connects the remote control to the projector using the optional remote control cable set and inputs signals from the remote control. When the remote control is connected, the remote receiver on the projector is disabled.
③	RS-232C port (Mini D-Sub 9-pin, male)	Use to connect an RS-232C cable to control the projector from a computer.
④	Service port (USB connector Type B)	This port is used for batch settings and firmware update.
⑤	USB-A port (USB connector Type A)*2	This port is used for batch settings and firmware update. This projector can be powered at 5 V / 2 A.
⑥	LAN port (RJ-45)	Use a 100Base-TX / 10Base-T network cable. To ensure proper data transmission, use a Category 5 shielded cable or better.
⑦	HDBaseT port (RJ-45)	You can use a network cable up to 100 m in length. To ensure proper data transmission, use a Category 5e STP cable or better. However, operation is not guaranteed for all input/output devices and environments. This port is compatible with HDCP2.3.
⑧	SDI Out port (BNC)	Outputs video signals input from the SDI In port to an external monitor.
⑨	SDI In port (BNC)	Inputs video signals from SDI compatible video equipment.
⑩	HDMI2 port (HDMI)	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP2.3. (Audio is only supported by PCM)
⑪	HDMI1 In port (HDMI)	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP2.3. (Audio is only supported by PCM)
⑫	HDMI1 Out port (HDMI)	Outputs signals to an external monitor or another projector. This port is compatible with HDCP2.3.

*1 Audio output level: 2Vrms
Impedance: 100ohm

*2 5V/2.0A

Supported Monitor Display Resolutions

The table here lists the compatible refresh rate and resolution for each compatible video display format.

HDMI

Signal Information				HDMI											
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB		
				4:2:0			4:2:2			4:4:4					
				8	10	12	8	10	12	8	10	12	8	10	12
PC	640 x 480	59.94p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	800 x 600	60.32p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1024 x 768	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1280 x 800	59.81p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1280 x 960	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1280 x 1024	60.02p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1366 x 768	59.79p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1400 x 1050	59.98p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1440 x 900	59.89p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1600 x 900	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1600 x 1200	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1680 x 1050	59.95p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1920 x 1200	59.95p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	2048 x 1536	59.95p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	2560 x 1440	59.95p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	2560 x 1600	59.97p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1920 x 720	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	1920 x 810	60p	Single	-	-	-	-	-	-	-	-	-	-	-	
PC	2880 x 1080	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	3200 x 900	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	3240 x 1080	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	3440 x 1440	30p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	3456 x 1080	30p	Single	-	-	-	-	-	-	-	-	✓	-	-	
PC	3456 x 1080	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
Video	720 x 480	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video	720 x 576	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video	1280 x 720	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video	1280 x 720	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video	1280 x 720	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video *1	720 x 480	59.94i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video *1	720 x 576	50i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Video	1920 x 1080	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	25p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	1920 x 1080	29.97p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	30p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	50p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	59.94p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	60p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	50i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1920 x 1080	59.94i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1920 x 1080	60i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	2560 x 1080	50p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	2560 x 1080	59.94p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	2560 x 1080	60p	Single	-	-	-	-	-	-	-	-	✓	-	-	
Video	3840 x 2160	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	25p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	29.97p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	30p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	50p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	59.94p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	60p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	4096 x 2160	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	4096 x 2160	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	4096 x 2160	25p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	4096 x 2160	29.97p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	4096 x 2160	30p	Single	-	-	-	-	-	-	-	-	-	-	-	
Video	4096 x 2160	50p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	4096 x 2160	59.94p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	4096 x 2160	60p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	3840 x 2160	100p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-
Video	3840 x 2160	119.88p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-
Video	3840 x 2160	120p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-
Video	4096 x 2160	100p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-
Video	4096 x 2160	119.88p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-
Video	4096 x 2160	120p	Single	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	-	✓	✓ ^A	-

- Common note
Formats with a checkmark "✓" in 10 bit and 12 bit support "Deep Color".
- Notes (*1 and 2)
*1 : Pixel repetition : H active is 720(1440)
*2 : When an interlaced signal is input, the projected image may flicker due to the line doubling process.
- HDR Support Information (*A)

	HDR Supported	Color Space	Standard
*A	HDR10, HLG	BT.2020	BT.2100

HDBaseT

Signal Information				HDBaseT											
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB		
				4:2:0			4:2:2			4:4:4					
				8	10	12	8	10	12	8	10	12	8	10	12
PC	640 x 480	59.94p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	800 x 600	60.32p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1024 x 768	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1280 x 800	59.81p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1280 x 960	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1280 x 1024	60.02p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1366 x 768	59.79p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1400 x 1050	59.98p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1440 x 900	59.89p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1600 x 900	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1600 x 1200	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1680 x 1050	59.95p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1920 x 1200	59.95p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	2048 x 1536	59.95p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	2560 x 1440	59.95p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	2560 x 1600	59.97p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1920 x 720	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	1920 x 810	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-
PC	2880 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	3200 x 900	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	3240 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	3440 x 1440	30p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	3456 x 1080	30p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
PC	3456 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
Video	720 x 480	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	720 x 576	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video *1	720 x 480	59.94i	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video *1	720 x 576	50i	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	29.97p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	30p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	50p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	59.94p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	60p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A	✓	✓ ^A	✓ ^A
Video	1920 x 1080	50i	Single	-	-	-	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²
Video	1920 x 1080	59.94i	Single	-	-	-	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²
Video	1920 x 1080	60i	Single	-	-	-	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²
Video	2560 x 1080	50p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	59.94p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	✓	-	-
Video	3840 x 2160	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	3840 x 2160	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	3840 x 2160	25p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	3840 x 2160	29.97p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	3840 x 2160	30p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	3840 x 2160	50p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	59.94p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	60p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	23.98p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	4096 x 2160	24p	Single	-	-	-	✓	✓ ^A	✓ ^A	✓	-	-	✓	-	-
Video	4096 x 2160	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	29.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	50p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	59.94p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	60p	Single	✓	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	100p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	119.88p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	120p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	100p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	119.88p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	120p	Single	-	-	-	-	-	-	-	-	-	-	-	-

• Common note
Formats with a checkmark "✓" in 10 bit and 12 bit support "Deep Color".

- Notes (*1 and 2)
*1 : Pixel repetition : H active is 720(1440)
*2 : When an interlaced signal is input, the projected image may flicker due to the line doubling process.

• HDR Support Information (*A)

	HDR Supported	Color Space	Standard
*A	HDR10, HLG	BT.2020	BT.2100

12G-SDI

Signal Information				12G-SDI											
SDI Type	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB		
				4:2:0			4:2:2			4:4:4					
				8	10	12	8	10	12	8	10	12	8	10	12
HD	1280 x 720	50p	Single	-	-	-	-	✓	-	-	-	-	-	-	-
HD	1280 x 720	59.94p	Single	-	-	-	-	✓	-	-	-	-	-	-	-
HD	1280 x 720	60p	Single	-	-	-	-	✓	-	-	-	-	-	-	-
HD	1920 x 1080	50i	Single	-	-	-	-	✓*1	-	-	-	-	-	-	-
HD	1920 x 1080	59.94i	Single	-	-	-	-	✓*1	-	-	-	-	-	-	-
HD	1920 x 1080	60i	Single	-	-	-	-	✓*1	-	-	-	-	-	-	-
HD	1920 x 1080	23.98p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
HD	1920 x 1080	24p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
HD	1920 x 1080	25p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
HD	1920 x 1080	29.97p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
HD	1920 x 1080	30p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	50i	Single	-	-	-	-	-	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	59.94i	Single	-	-	-	-	-	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	60i	Single	-	-	-	-	-	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	23.98p	Single	-	-	-	-	-	-	-	✓*A	✓*A	-	✓*A	✓*A
3G(Lv-A)	1920 x 1080	24p	Single	-	-	-	-	-	-	-	✓*A	✓*A	-	✓*A	✓*A
3G(Lv-A)	1920 x 1080	25p	Single	-	-	-	-	-	-	-	✓*A	✓*A	-	✓*A	✓*A
3G(Lv-A)	1920 x 1080	29.97p	Single	-	-	-	-	-	-	-	✓*A	✓*A	-	✓*A	✓*A
3G(Lv-A)	1920 x 1080	30p	Single	-	-	-	-	-	-	-	✓*A	✓*A	-	✓*A	✓*A
3G(Lv-A)	1920 x 1080	50p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	59.94p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
3G(Lv-A)	1920 x 1080	60p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	3840 x 2160	23.98p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	3840 x 2160	24p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	3840 x 2160	25p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	3840 x 2160	29.97p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	3840 x 2160	30p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	3840 x 2160	50p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	3840 x 2160	59.94p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	3840 x 2160	60p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	23.98p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	4096 x 2160	24p	Single	-	-	-	-	-	✓*A	-	✓*A	✓*A	-	✓*A	✓*A
12G(T-1 M1)	4096 x 2160	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	29.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	50p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	59.94p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-
12G(T-1 M1)	4096 x 2160	60p	Single	-	-	-	-	✓*A	-	-	-	-	-	-	-

• Common notes

- "3G(Lv-A)" stands for "3G-SDI Level-A"
- "12G(T-1 M1)" stands for "12G-SDI Type-1 Mode 1"

• Notes (*1)

*1 : If an interlaced signal is connected, the image may flicker due to line doubler processing.

• HDR Support Information (*A)

	HDR Supported	Color Space	Standard
*A	HDR10, HLG	BT.2020	BT.2100

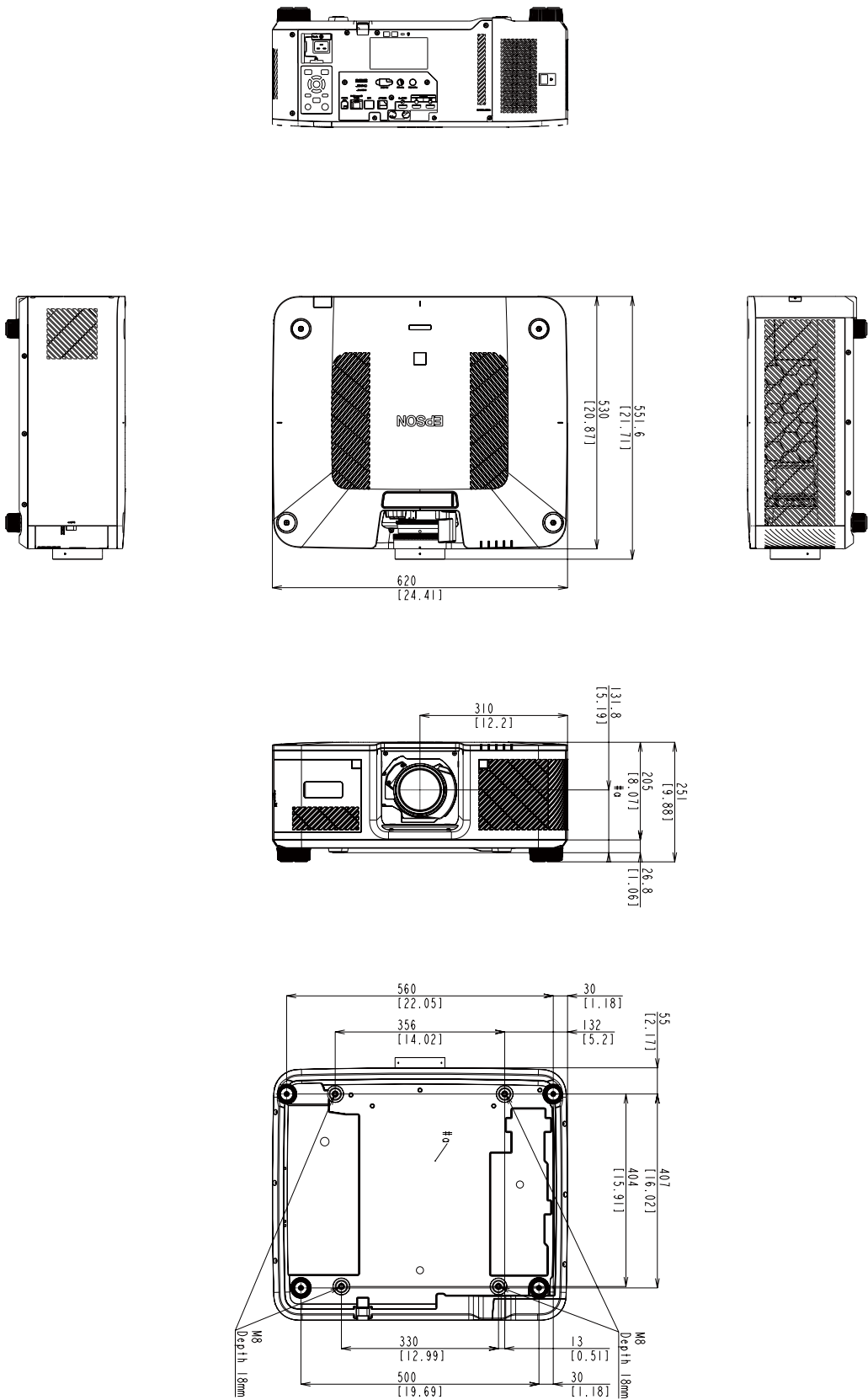
■ File Formats Supported in Content Playback Mode

You can project these types of files using the projector's Content Playback feature.

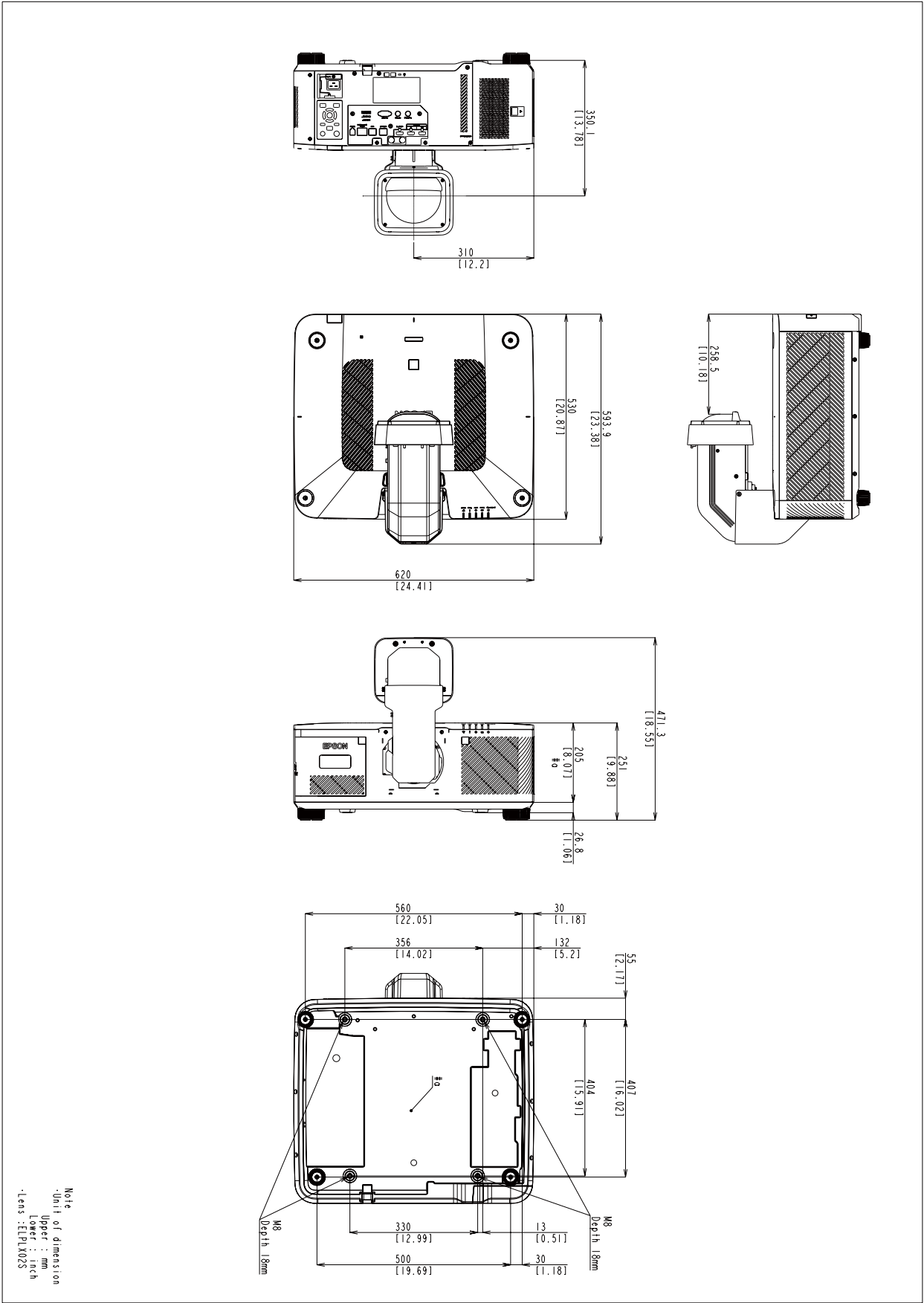
File contents	File type (extension)	Details
Image	.jpg	• We recommend JPEGs taken with a digital still camera that complies with the Exif standard. • The number of vertical and horizontal pixels must be a multiple of 8. • Make sure the file is not: • Progressive format • Above 8,192 × 8,192 resolution
	.bmp	Make sure the file is not: • Above 1,280 × 800 resolution
	.gif	• The image must be a transparent gif with a black background. • Make sure the file is not: • Above 1,280 × 800 resolution • Animated • Interlaced
	.png	Make sure the file is not: • Above 1,280 × 800 resolution • Interlaced
Movie	.avi (Motion JPEG)	• Version: AVI 1.0 only • Resolution: 1,280 × 800 or less • Size: 2 GB or less • Movie Codec: Motion JPEG • Audio Codec: LPCM, IMA ADPCM, or no audio • Audio sampling rate: 11.025 kHz, 22.05 kHz, 44.1 kHz, 16 kHz, 24 kHz, 32 kHz, 48 kHz

■ External Dimensions

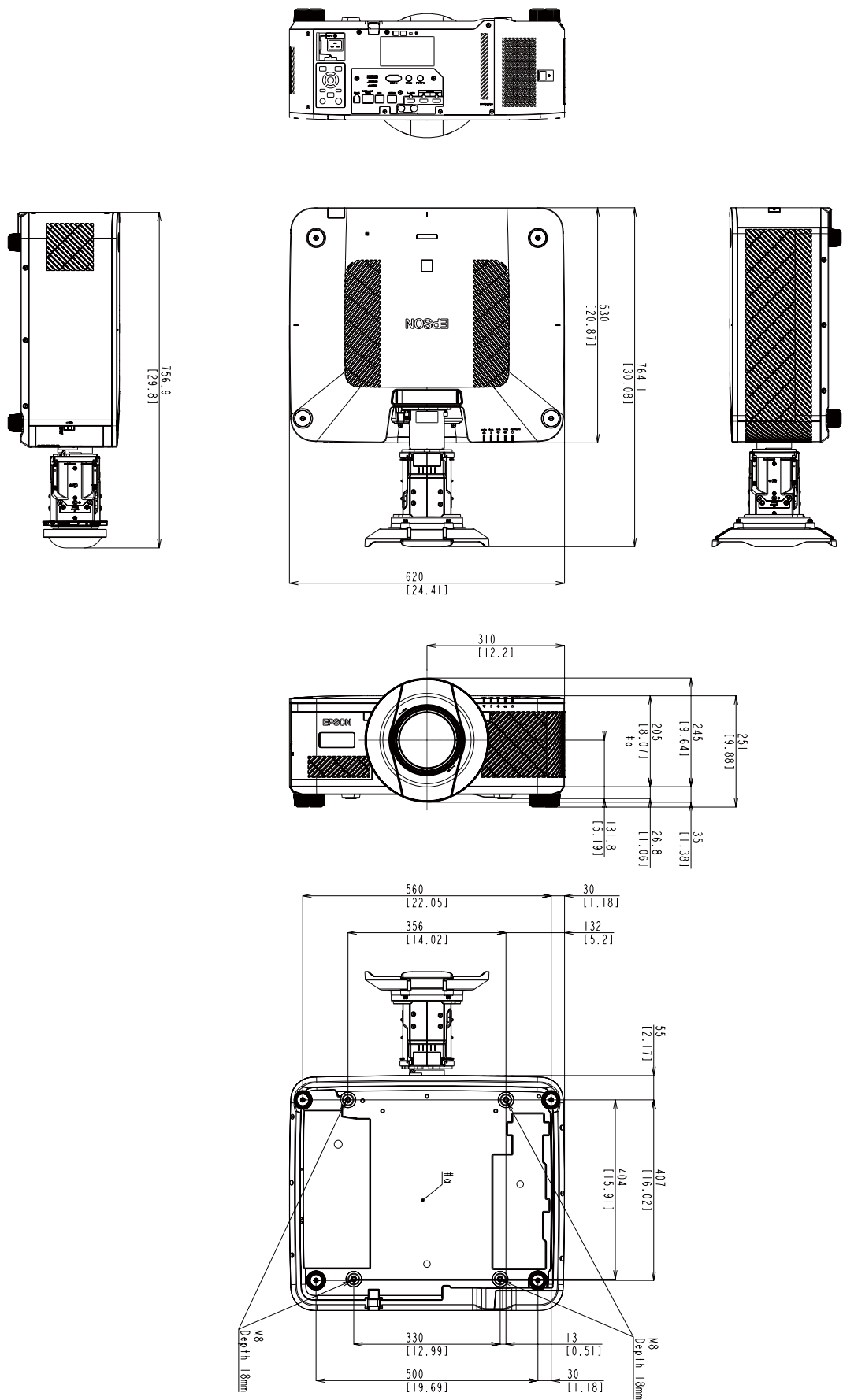
When the lens unit ELPLM15H is installed



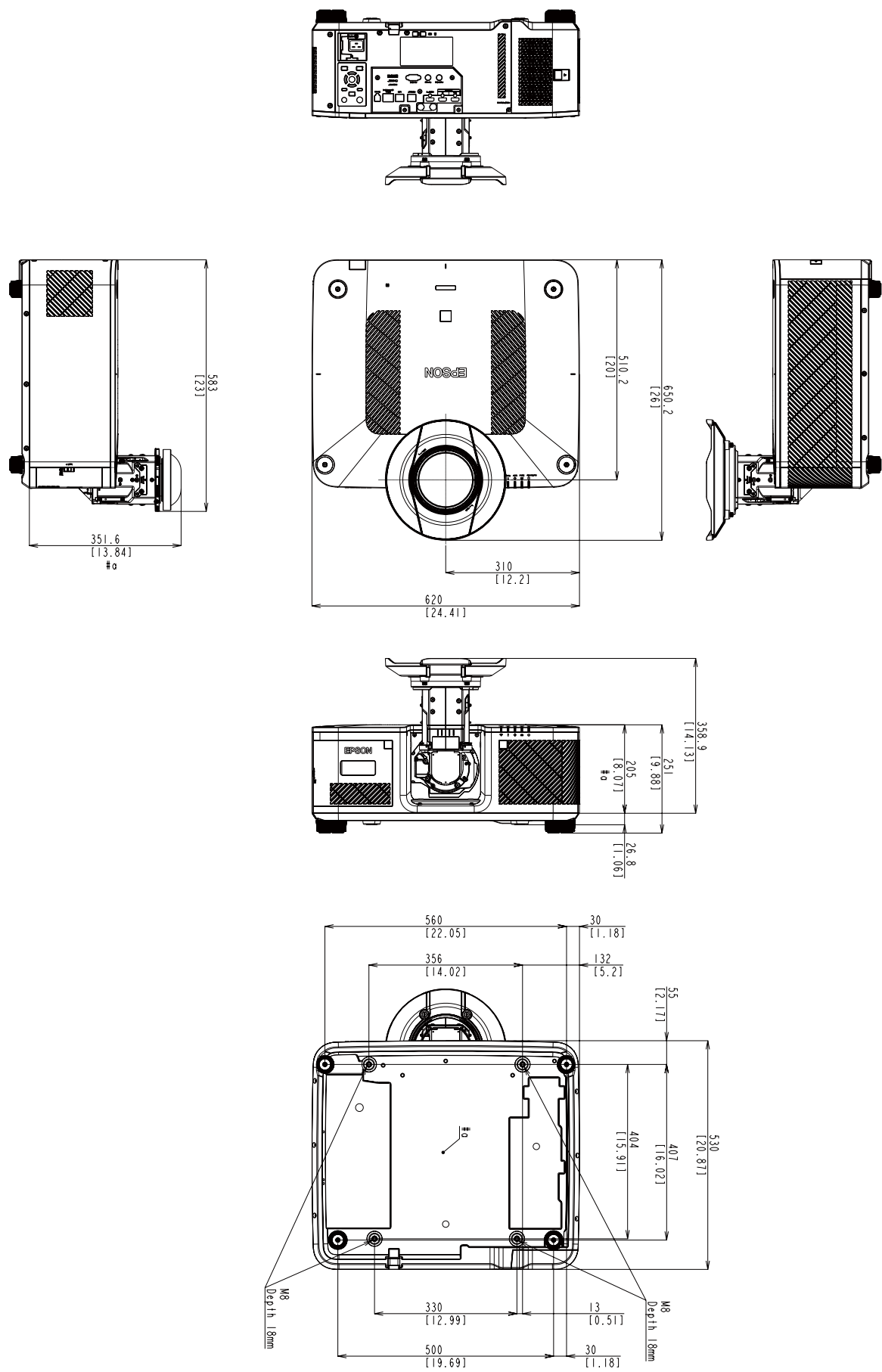
When the lens unit ELPLX02S/ELPLX02WS is installed



When the lens unit ELPLU06H is installed



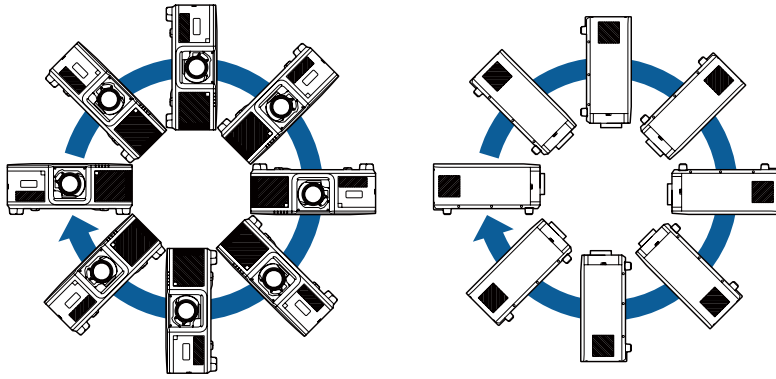
When the lens unit ELPLX04H is installed



■ Precautions on Installation

You can install the projector or mount it to the ceiling at any horizontal or vertical angle. There are no restrictions on the installation angle, whether it is installed vertically or horizontally.

Note the following precautions when installing the projector.



⚠ Warning

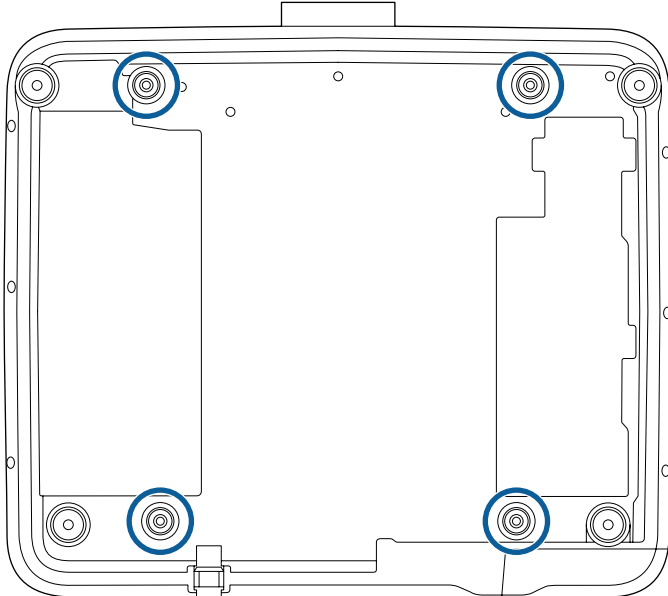
- Do not use adhesives on the ceiling mount fixing points to prevent the screws from loosening, or use lubricants, oils, or similar substances on the projector; the projector case may crack causing it to fall from its ceiling mount. This could cause serious injury to anyone under the ceiling mount and could damage the projector.
- Do not install the projector in a location subject to high levels of dust or humidity, or in a location subject to smoke or steam. Otherwise, it could cause a fire or electric shock to occur. The projector's case could also deteriorate and be damaged causing the projector to fall from the mount.

Examples of environments that could cause the projector to fall due to case deterioration

- Locations subject to excessive smoke or airborne oil particles, such as factories or kitchens
- Locations containing volatile solvents or chemicals, such as factories or laboratories
- Locations where the projector could be subjected to detergents or chemicals, such as factories or kitchens
- Locations in which aroma oils are often used, such as relaxation rooms
- Near devices that produce excessive smoke, airborne oil particles, or foam at events

Attention

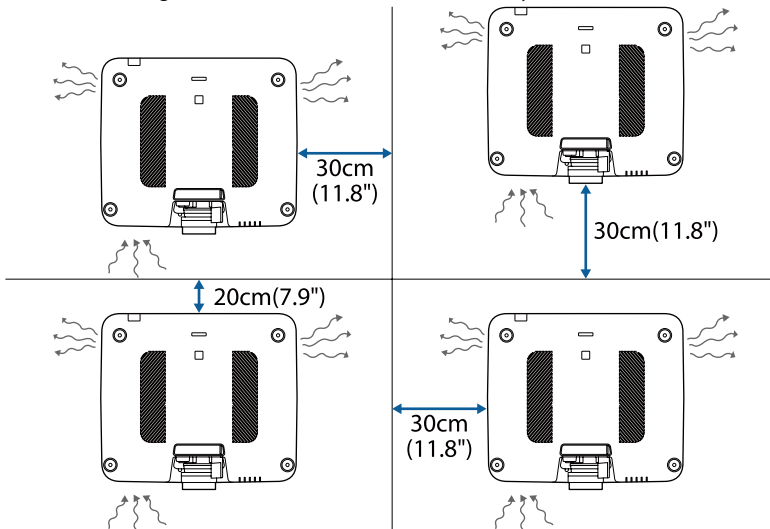
- Install the current breaker for 13 A to 20 A to the wiring in the building that supplies electricity to the projector. Do not connect other devices to the wiring where the current breaker is installed, and use the wiring only for the projector.
- Use M8 screws (up to a depth of 18 mm) to fix the projector's ceiling mount fixing points and the mounting hardware at four points



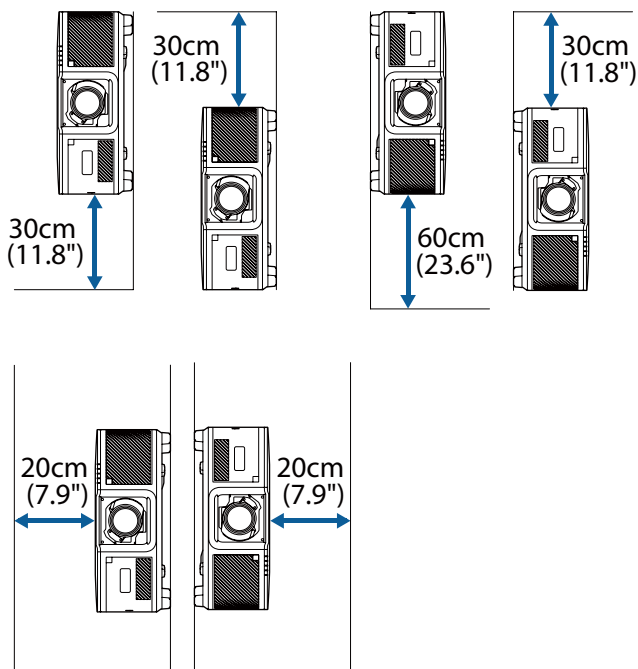
Installation space

Attention

- Do not install the projector in a location that does not allow air to circulate, such as on a shelf or in a box. If you want to install the projector on a shelf or in an enclosure, contact Epson for more details.
- If there is not enough space around the projector and the internal temperature of the projector increases, the brightness of the light source may decrease. Make sure hot air from the exhaust vent does not go into the air intake vent.
- Be sure to leave the following amount of space around the projector (between the projector and the wall, ceiling, or floor) so as not to block the air exhaust and intake vents. See the External Dimensions section in this manual for detailed locations of the air intake vent and air exhaust vent.
- When installing on the floor or a table (surrounded by walls)

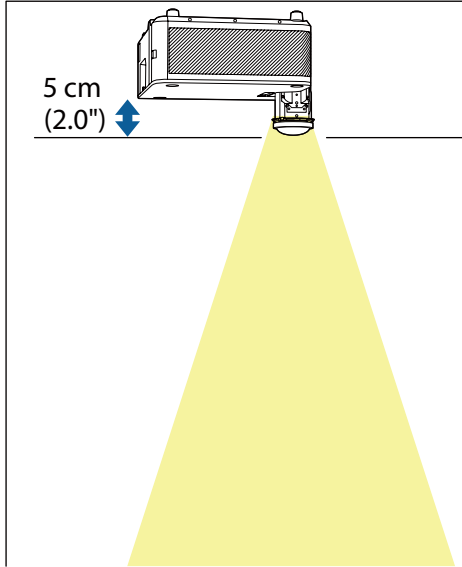


- When installing vertically (surrounded by walls)



Attention

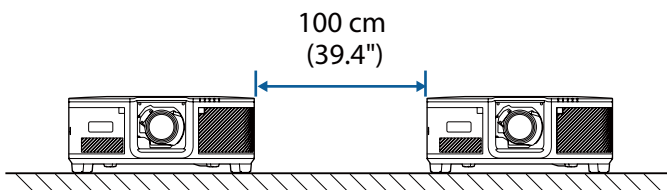
- When installing on a decorative ceiling
- When installing the projector on a decorative ceiling or inside a box, make sure that the installation space is not sealed off. Provide a vent or circulation pathway of air so that exhaust heat does not remain around the projector.



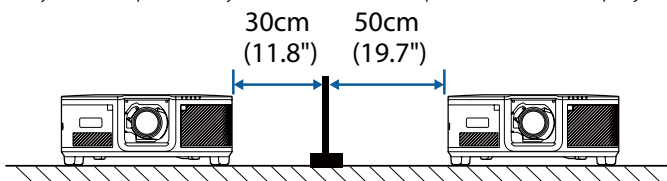
Installation space (When installing multiple projectors side by side)

Attention

- If you are installing multiple projectors next to each other, make sure hot air from the exhaust vent does not go into the air intake vent of another projector.



- If you use a partition, you can narrow the space between the projectors.

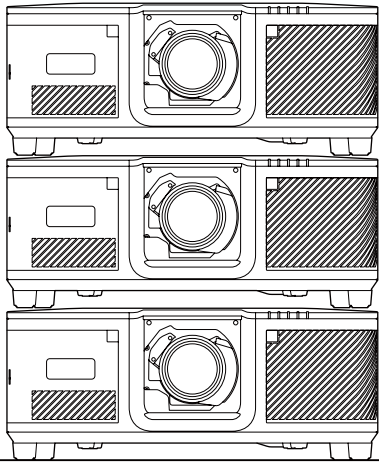


Precaution when stacking two projectors

You can stack two projectors directly on top of each other. When two projectors are stacked, the lower projector may experience an increase in intake air temperature due to the heat exhausted by the upper projector, which may cause the brightness of the light source to automatically decrease.

Attention

- Do not stack three or more projectors (you can stack up to two projectors).

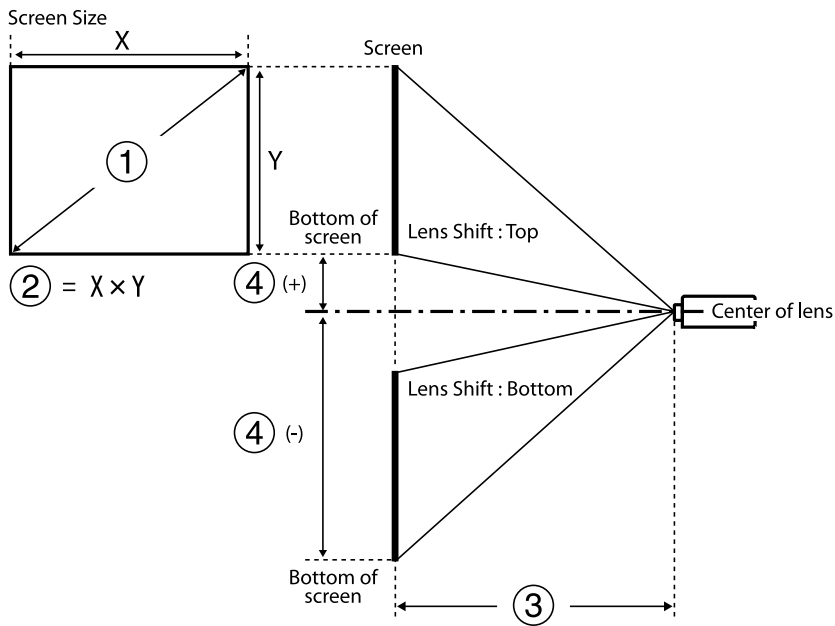


- Do not remove the feet on the bottom of each projector.
- Align the four feet of the upper projector with the four indentations on the top of the lower projector.
- Do not place any objects other than the projector on the projector.

■ Screen Size and Projection Distance

Check the tables in these sections to determine how far to place the projector from the screen based on the size of the projected image.

Projection distance formula



- ① Screen size (inches)
- ② Screen size (Width $\times$ Height) (cm)
- ③ Projection distance (Minimum: Wide to Maximum: Tele) (cm)
- ④ Distance from the center of the lens to the bottom of the screen (cm)

16:9

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 0.77 - 3.41$	0.34
ELPLU06H ELPLX04H	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 0.87 - 1.83$	0.39 - 0.49
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.09 - 1.83$	
ELPLU07H	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.04 - 3.17$	0.46 - 0.62
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.41 - 3.57$	
ELPLU04H	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.40 - 4.33$	0.62 - 0.87
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.96 - 4.18$	
ELPLW08H ELPLW08	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 1.87 - 3.98$	0.83 - 1.17
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 2.63 - 5.13$	
ELPLW06H ELPLW06	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 2.60 - 7.47$	1.15 - 1.57
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 3.53 - 6.97$	
ELPLM15H ELPLM15	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 3.43 - 8.09$	1.52 - 2.47
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 5.54 - 8.00$	
ELPLM10H ELPLM10	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 5.29 - 13.19$	2.34 - 3.59
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 8.05 - 13.07$	
ELPLM11H ELPLM11	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 7.76 - 23.84$	3.42 - 5.23
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 11.75 - 23.54$	
ELPLL08	Minimum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 11.53 - 32.22$	5.09 - 7.16
	Maximum	$\textcircled{3} \text{ (cm)} = \text{(inches)} \textcircled{1} \times 16.10 - 31.78$	

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLL11H	Minimum	③ (cm) = (inches) ① × 14.97 + 60.57	6.99 - 11.00
	Maximum	③ (cm) = (inches) ① × 23.84 + 60.78	

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLU03S		③ (cm) = (inches) ① × 1.04 - 3.47	0.46 - 0.56
		③ (cm) = (inches) ① × 1.25 - 3.28	
ELPLU04		③ (cm) = (inches) ① × 1.41 - 5.23	0.62 - 0.75
		③ (cm) = (inches) ① × 1.69 - 5.30	

Lens	Distance from the center of the lens to the base of the screen	
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.31	
	④ (-) (cm) = (inches) ① × 0.06	
	④ (+) (cm) = (inches) ① × 0.30	
	④ (-) (cm) = (inches) ① × 0.94	
ELPLU06H ELPLX04H ELPLU07H ELPLU04H ELPLW08H ELPLW06H ELPLM15H ELPLM10H ELPLM11H ELPLL08 ELPLL11H ELPLU04 ELPLW08 ELPLW06 ELPLM15 ELPLM10 ELPLM11	④ (+) (cm) = (inches) ① × 0.18	
	④ (-) (cm) = (inches) ① × 1.43	

4:3

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① × 0.94 - 3.41	0.45
ELPLU06H ELPLX04H	Minimum	③ (cm) = (inches) ① × 1.07 - 1.83	0.52 - 0.65
	Maximum	③ (cm) = (inches) ① × 1.34 - 1.83	
ELPLU07H	Minimum	③ (cm) = (inches) ① × 1.27 - 3.17	0.61 - 0.83
	Maximum	③ (cm) = (inches) ① × 1.72 - 3.57	
ELPLU04H	Minimum	③ (cm) = (inches) ① × 1.71 - 4.33	0.82 - 1.16
	Maximum	③ (cm) = (inches) ① × 2.40 - 4.18	
ELPLW08H ELPLW08	Minimum	③ (cm) = (inches) ① × 2.29 - 3.98	1.11 - 1.56
	Maximum	③ (cm) = (inches) ① × 3.22 - 5.13	
ELPLW06H ELPLW06	Minimum	③ (cm) = (inches) ① × 3.18 - 7.47	1.53 - 2.09
	Maximum	③ (cm) = (inches) ① × 4.32 - 6.97	
ELPLM15H ELPLM15	Minimum	③ (cm) = (inches) ① × 4.19 - 8.09	2.03 - 3.30
	Maximum	③ (cm) = (inches) ① × 6.78 - 8.00	

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLM10H ELPLM10	Minimum	③ (cm) = (inches) ① × 6.48 - 13.19	3.13 - 4.78
	Maximum	③ (cm) = (inches) ① × 9.85 - 13.07	
ELPLM11H ELPLM11	Minimum	③ (cm) = (inches) ① × 9.50 - 23.84	4.56 - 6.97
	Maximum	③ (cm) = (inches) ① × 14.38 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① × 14.11 - 32.22	6.79 - 9.55
	Maximum	③ (cm) = (inches) ① × 19.71 - 31.78	
ELPLL11H	Minimum	③ (cm) = (inches) ① × 18.32 + 60.57	9.32 - 14.67
	Maximum	③ (cm) = (inches) ① × 29.18 + 60.78	
ELPLU03S	Minimum	③ (cm) = (inches) ① × 1.27 - 3.47	0.61 - 0.74
	Maximum	③ (cm) = (inches) ① × 1.53 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① × 1.72 - 5.23	0.82 - 1.00
	Maximum	③ (cm) = (inches) ① × 2.07 - 5.30	

Lens	Distance from the center of the lens to the base of the screen
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.38 ④ (-) (cm) = (inches) ① × 0.08
ELPLU03S	④ (+) (cm) = (inches) ① × 0.37 ④ (-) (cm) = (inches) ① × 1.16
ELPLU06H ELPLX04H ELPLU07H ELPLU04H ELPLW08H ELPLW06H ELPLM15H ELPLM10H ELPLM11H ELPLL08 ELPLL11H ELPLU04 ELPLW08 ELPLW06 ELPLM15 ELPLM10 ELPLM11	④ (+) (cm) = (inches) ① × 0.22 ④ (-) (cm) = (inches) ① × 1.75

16:10

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① × 0.83 - 3.41	0.37
ELPLU06H ELPLX04H	Minimum	③ (cm) = (inches) ① × 0.94 - 1.83	0.43 - 0.54
	Maximum	③ (cm) = (inches) ① × 1.18 - 1.83	
ELPLU07H	Minimum	③ (cm) = (inches) ① × 1.12 - 3.17	0.51 - 0.69
	Maximum	③ (cm) = (inches) ① × 1.52 - 3.57	
ELPLU04H	Minimum	③ (cm) = (inches) ① × 1.51 - 4.33	0.68 - 0.96
	Maximum	③ (cm) = (inches) ① × 2.12 - 4.18	
ELPLW08H ELPLW08	Minimum	③ (cm) = (inches) ① × 2.02 - 3.98	0.93 - 1.30
	Maximum	③ (cm) = (inches) ① × 2.84 - 5.13	
ELPLW06H ELPLW06	Minimum	③ (cm) = (inches) ① × 2.81 - 7.47	1.27 - 1.74
	Maximum	③ (cm) = (inches) ① × 3.81 - 6.97	

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLM15H ELPLM15	Minimum	③ (cm) = (inches) ① × 3.70 - 8.09	1.69 - 2.75
	Maximum	③ (cm) = (inches) ① × 5.98 - 8.00	
ELPLM10H ELPLM10	Minimum	③ (cm) = (inches) ① × 5.72 - 13.19	2.61 - 3.99
	Maximum	③ (cm) = (inches) ① × 8.70 - 13.07	
ELPLM11H ELPLM11	Minimum	③ (cm) = (inches) ① × 8.39 - 23.84	3.80 - 5.81
	Maximum	③ (cm) = (inches) ① × 12.71 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① × 12.46 - 32.22	5.66 - 7.96
	Maximum	③ (cm) = (inches) ① × 17.41 - 31.78	
ELPLL11H	Minimum	③ (cm) = (inches) ① × 16.18 + 60.57	7.77 - 12.22
	Maximum	③ (cm) = (inches) ① × 25.78 + 60.78	
ELPLU03S	Minimum	③ (cm) = (inches) ① × 1.13 - 3.47	0.51 - 0.62
	Maximum	③ (cm) = (inches) ① × 1.35 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① × 1.52 - 5.23	0.68 - 0.83
	Maximum	③ (cm) = (inches) ① × 1.83 - 5.30	

Projection lens	Distance from the center of the lens to the base of the screen
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.34 ④ (-) (cm) = (inches) ① × 0.07
ELPLU03S	④ (+) (cm) = (inches) ① × 0.33 ④ (-) (cm) = (inches) ① × 1.02
ELPLU06H ELPLX04H ELPLU07H ELPLU04H ELPLW08H ELPLW06H ELPLM15H ELPLM10H ELPLM11H ELPLL08 ELPLL11H ELPLU04 ELPLW08 ELPLW06 ELPLM15 ELPLM10 ELPLM11	④ (+) (cm) = (inches) ① × 0.20 ④ (-) (cm) = (inches) ① × 1.54

21:9

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① × 0.81-3.41	0.34
ELPLU06H ELPLX04H	Minimum	③ (cm) = (inches) ① × 0.92 - 1.83	0.39 - 0.49
	Maximum	③ (cm) = (inches) ① × 1.15 - 1.83	
ELPLU07H	Minimum	③ (cm) = (inches) ① × 1.09 - 3.17	0.46 - 0.62
	Maximum	③ (cm) = (inches) ① × 1.48 - 3.57	
ELPLU04H	Minimum	③ (cm) = (inches) ① × 1.47 - 4.33	0.62 - 0.87
	Maximum	③ (cm) = (inches) ① × 2.06 - 4.17	

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLW08H ELPLW08	Minimum	③ (cm) = (inches) ① × 1.97-3.98	0.83-1.17
	Maximum	③ (cm) = (inches) ① × 2.77-5.13	
ELPLW06H ELPLW06	Minimum	③ (cm) = (inches) ① × 2.74-7.47	1.15-1.57
	Maximum	③ (cm) = (inches) ① × 3.72-6.97	
ELPLM15H ELPLM15	Minimum	③ (cm) = (inches) ① × 3.61 - 8.09	1.52-2.47
	Maximum	③ (cm) = (inches) ① × 5.84 - 8.00	
ELPLM10H ELPLM10	Minimum	③ (cm) = (inches) ① × 5.58 - 13.19	2.34 - 3.59
	Maximum	③ (cm) = (inches) ① × 8.48 - 13.07	
ELPLM11H ELPLM11	Minimum	③ (cm) = (inches) ① × 8.19 - 23.84	3.42 - 5.23
	Maximum	③ (cm) = (inches) ① × 12.40 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① × 12.16 - 32.22	5.09 - 7.16
	Maximum	③ (cm) = (inches) ① × 16.98 - 31.78	
ELPLL11H	Minimum	③ (cm) = (inches) ① × 15.78 + 60.57	6.99 - 11.00
	Maximum	③ (cm) = (inches) ① × 25.15 + 60.78	
ELPLU03S	Minimum	③ (cm) = (inches) ① × 1.10 - 3.47	0.46 - 0.56
	Maximum	③ (cm) = (inches) ① × 1.32 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① × 1.48 - 5.23	0.62 - 0.75
	Maximum	③ (cm) = (inches) ① × 1.79 - 5.30	

Projection lens	Distance from the center of the lens to the base of the screen	
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.49 ④ (-) (cm) = (inches) ① × 0.09	
ELPLU03S	④ (+) (cm) = (inches) ① × 0.16 ④ (-) (cm) = (inches) ① × 0.84	
ELPLU06H ELPLX04H ELPLU07H ELPLU04H ELPLW08H ELPLW06H ELPLM15H ELPLM10H ELPLM11H ELPLL08 ELPLL11H ELPLU04 ELPLW08 ELPLW06 ELPLM15 ELPLM10 ELPLM11	④ (+) (cm) = (inches) ① × 0.35 ④ (-) (cm) = (inches) ① × 1.35	

16:6

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① × 0.82-3.41	0.34
ELPLU06H ELPLX04H	Minimum	③ (cm) = (inches) ① × 0.93 - 1.83	0.39 - 0.49
	Maximum	③ (cm) = (inches) ① × 1.17 - 1.83	
ELPLU07H	Minimum	③ (cm) = (inches) ① × 1.11 - 3.17	0.46 - 0.62
	Maximum	③ (cm) = (inches) ① × 1.51 - 3.57	

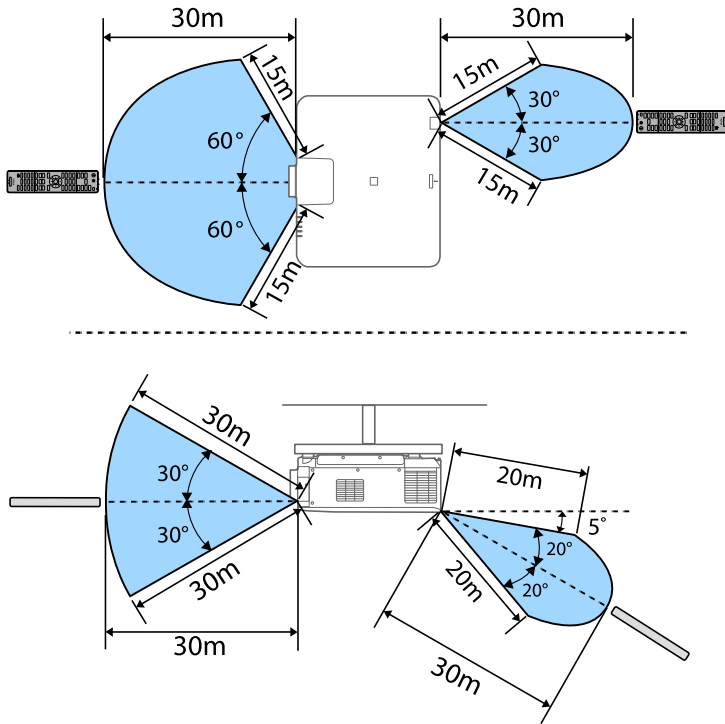
Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLU04H	Minimum	③ (cm) = (inches) ① × 1.50 - 4.33	0.62 - 0.87
	Maximum	③ (cm) = (inches) ① × 2.10 - 4.18	
ELPLW08H ELPLW08	Minimum	③ (cm) = (inches) ① × 2.01 - 3.98	0.83-1.17
	Maximum	③ (cm) = (inches) ① × 2.82 - 5.13	
ELPLW06H ELPLW06	Minimum	③ (cm) = (inches) ① × 2.79 - 7.47	1.15-1.57
	Maximum	③ (cm) = (inches) ① × 3.79 - 6.97	
ELPLM15H ELPLM15	Minimum	③ (cm) = (inches) ① × 3.68 - 8.09	1.52 - 2.47
	Maximum	③ (cm) = (inches) ① × 5.95 - 8.00	
ELPLM10H ELPLM10	Minimum	③ (cm) = (inches) ① × 5.69 - 13.19	2.34 - 3.59
	Maximum	③ (cm) = (inches) ① × 8.64 - 13.07	
ELPLM11H ELPLM11	Minimum	③ (cm) = (inches) ① × 8.34 - 23.84	3.42 - 5.23
	Maximum	③ (cm) = (inches) ① × 12.63 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① × 12.38 - 32.22	5.09 - 7.16
	Maximum	③ (cm) = (inches) ① × 17.30 - 31.78	
ELPLL11H	Minimum	③ (cm) = (inches) ① × 16.08 + 60.57	6.99 - 11.00
	Maximum	③ (cm) = (inches) ① × 25.62 + 60.78	
ELPLU03S	Minimum	③ (cm) = (inches) ① × 1.12 - 3.47	0.46 - 0.56
	Maximum	③ (cm) = (inches) ① × 1.34 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① × 1.51 - 5.23	0.62 - 0.75
	Maximum	③ (cm) = (inches) ① × 1.82 - 5.30	

Projection lens	Distance from the center of the lens to the base of the screen
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.56 ④ (-) (cm) = (inches) ① × 0.16
ELPLU03S	④ (+) (cm) = (inches) ① × 0.1 ④ (-) (cm) = (inches) ① × 0.79
ELPLU06H ELPLX04H ELPLU07H ELPLU04H ELPLW08H ELPLW06H ELPLM15H ELPLM10H ELPLM11H ELPLL08 ELPLL11H ELPLU04 ELPLW08 ELPLW06 ELPLM15 ELPLM10 ELPLM11	④ (+) (cm) = (inches) ① × 0.42 ④ (-) (cm) = (inches) ① × 1.31

■ Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room.

Make sure that you aim the remote control at the projector's receivers within the distance and angles listed here.



- Depending on your installation environment, the available distance and angles may be shortened.
- Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight, or the projector may not respond to commands. If you are not going to use the remote control for a long time, remove the batteries.
- When you use multiple projectors in the same room or when there are obstacles around the remote receiver, connect the remote control to the projector using the optional remote control cable set. When the remote control is connected, the remote receiver on the projector is disabled.

■ Keystone Correction Range

The table here lists the adjustment range for each correction method.

H/V-Keystone

If the projector's angle of tilt is within the following range, you can correct distortion in the projected image by using the H/V-Keystone correction function.

Lens Model Number	Vertical Direction	Horizontal Direction
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-8° to +17°	-17° to +17°
ELPLU06H ELPLX04H	-20° to +20°	-20° to +20°
ELPLU07H	-25° to +25°	-25° to +25°
ELPLU04H	-32° to +32°	-30° to +30°
ELPLW08H	-36° to +36°	-30° to +30°
ELPLW06H ELPLW06	-40° to +40°	-30° to +30°
ELPLM15H ELPLM15	-45° to +45°	-30° to +30°
ELPLM10H ELPLM10	-45° to +45°	-30° to +30°
ELPLM11H ELPLM11	-45° to +45°	-30° to +30°
ELPLL08	-45° to +45°	-30° to +30°
ELPLL11H	-45° to +45°	-30° to +30°
ELPLU03S	-30° to +30°	-30° to +30°
ELPLU04	-32° to +32°	-30° to +30°
ELPLW08	-36° to +36°	-30° to +30°

Curved Surface

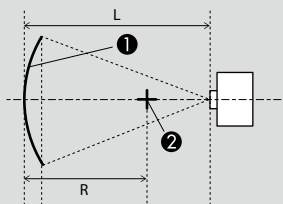
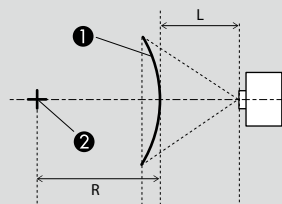
You can correct the image shape if the curved surface is a part of an exact circle.

The values in the table are the minimum values for R/L in the illustration (Approximate value when projecting at maximum zoom.) If the R/L value is lower than the value in the table, you cannot correct the image shape.

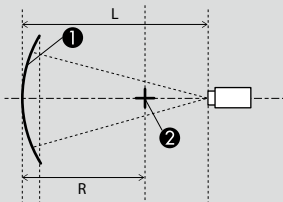
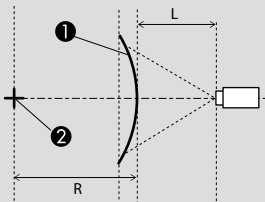
You can confirm the maximum projection distance (L) using the following formula.

$L = R / \text{value in the table}$

Horizontally curved surface

Lens Model Number	Concave		Convex	
	 ①: Screen ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc		 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	3.01	-	8.84
ELPLU06H	1.62	1.99	5.48	5.93
ELPLX04H	1.62	1.99	5.48	5.93
ELPLU07H	1.01	1.30	4.02	4.34
ELPLU04H	0.46	0.52	2.33	2.51
ELPLW08H ELPLW08	0.39	0.41	1.37	1.46
ELPLW06H ELPLW06	0.33	0.34	0.81	0.86
ELPLM15H ELPLM15	0.27	0.28	0.54	0.56
ELPLM10H ELPLM10	0.20	0.20	0.30	0.31
ELPLM11H ELPLM11	0.14	0.15	0.19	0.19
ELPLL08	0.10	0.10	0.13	0.13
ELPLL11H	0.08	0.08	0.10	0.10
ELPLU03S	1.00	1.03	4.03	4.05
ELPLU04	0.46	0.52	2.33	2.51

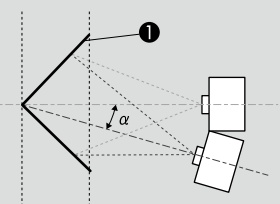
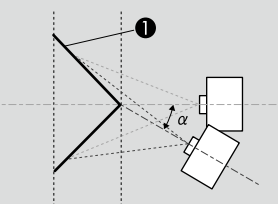
Vertically curved surface

Lens Model Number	Concave		Convex	
	 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc		 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	4.57	-	3.79
ELPLU06H	0.65	2.77	2.20	2.66
ELPLX04H	0.65	2.77	2.20	2.66
ELPLU07H	0.50	1.92	1.63	1.94
ELPLU04H	0.36	0.94	0.98	1.16
ELPLW08H ELPLW08	0.30	0.44	0.60	0.71
ELPLW06H ELPLW06	0.23	0.29	0.37	0.43
ELPLM15H ELPLM15	0.18	0.22	0.25	0.29
ELPLM10H ELPLM10	0.13	0.15	0.15	0.17
ELPLM11H ELPLM11	0.11	0.11	0.10	0.11
ELPLL08	0.08	0.08	0.07	0.08
ELPLL11H	0.07	0.07	0.06	0.06
ELPLU03S	0.48	0.58	1.62	1.68
ELPLU04	0.36	0.73	0.97	1.15

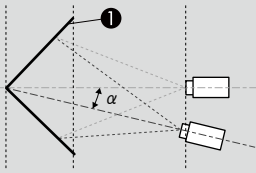
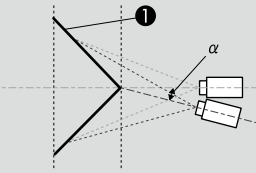
Corner Wall

The α in the illustration is the maximum angle in which the projector can move. See the table below for detailed values. (Approximate value when projecting at maximum zoom.)

Horizontal corner (correction to bilateral symmetry by using corners as the center line)

Lens Model Number	Concave		Convex	
	 ① : Screen α : Movable angle of the projector		 ① : Screen α : Movable angle of the projector	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	-	-	-
ELPLU06H	20	2	-	-
ELPLX04H	20	2	-	-
ELPLU07H	23	6	-	-
ELPLU04H	28	12	-	-
ELPLW08H ELPLW08	32	17	5	4
ELPLW06H ELPLW06	32	22	11	10
ELPLM15H ELPLM15	31	26	15	14
ELPLM10H ELPLM10	30	30	19	19
ELPLM11H ELPLM11	29	29	21	21
ELPLL08	29	28	23	23
ELPLL11H	28	28	25	25
ELPLU03S	23	20	-	-
ELPLU04	28	11	-	-

Vertical corner (correction to horizontal symmetry by using corners as the center line)

Lens Model Number	Concave		Convex	
	 ① : Screen α : Movable angle of the projector		 ① : Screen α : Movable angle of the projector	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	-	-	-
ELPLU06H	5	-	-	-
ELPLX04H	5	-	-	-
ELPLU07H	9	-	-	-
ELPLU04H	14	-	6	-
ELPLW08H ELPLW08	20	2	13	-
ELPLW06H ELPLW06	25	10	18	3
ELPLM15H ELPLM15	27	12	20	8
ELPLM10H ELPLM10	23	14	20	12
ELPLM11H ELPLM11	22	15	20	14
ELPLL08	21	17	20	15
ELPLL11H	21	18	20	17
ELPLU03S	9	-	-	-
ELPLU04	14	-	6	-

■ Curved Surface Correction Range for Camera Assist

You can correct the image shape if the curved surface is a part of an exact circle.

The values in the table are the minimum values for R/L in the illustration. They are determined in the following conditions:

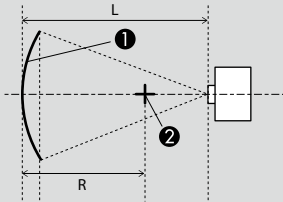
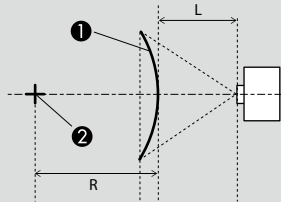
- Projecting at maximum zoom
- R is 280 cm or more
- Projecting a 150 inch image per one projector

You may not be able to correct the image shape if the value is lower than the R/L value in the table.

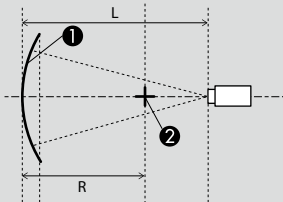
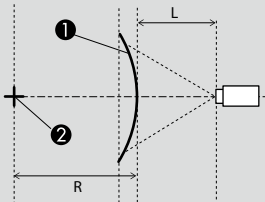
You can confirm the maximum projection distance (L) using the following formula.

$L = R/\text{value in the table}$

Horizontally curved surface

Lens Model Number	Concave		Convex	
	 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc		 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	2.48	-	8.84
ELPLU06H	2.16	1.99	5.48	5.93
ELPLX04H	2.16	1.99	5.48	5.93
ELPLU07H	1.83	1.30	4.02	4.34
ELPLU04H	1.36	0.52	2.33	2.51
ELPLW08H ELPLW08	1.02	0.41	1.37	1.46
ELPLW06H ELPLW06	0.73	0.34	0.81	0.86
ELPLM15H ELPLM15	0.55	0.28	0.55	0.56
ELPLM10H ELPLM10	0.36	0.20	0.36	0.36
ELPLM11H ELPLM11	0.25	0.15	0.25	0.25
ELPLL08	-	-	-	-
ELPLL11H	-	-	-	-
ELPLU03S	1.83	1.03	4.03	4.05
ELPLU04	1.36	0.52	2.33	2.51

Vertically curved surface

Lens Model Number	Concave		Convex	
	 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc		 ①: Screens ②: Center of the circle of which the curved surface is an arc L: Projection distance R: Radius of the circle of which the curved surface is an arc	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02 ELPLX02W ELPLX02S ELPLX02WS	-	4.57	-	3.79
ELPLU06H	2.16	2.77	2.20	2.66
ELPLX04H	2.16	2.77	2.16	2.66
ELPLU07H	1.83	1.92	1.83	1.94
ELPLU04H	1.36	1.36	1.36	1.36
ELPLW08H ELPLW08	1.02	1.02	1.02	1.02
ELPLW06H ELPLW06	0.73	0.73	0.73	0.73
ELPLM15H ELPLM15	0.55	0.55	0.55	0.55
ELPLM10H ELPLM10	0.36	0.36	0.36	0.36
ELPLM11H ELPLM11	0.25	0.25	0.25	0.25
ELPLL08	-	-	-	-
ELPLL11H	-	-	-	-
ELPLU03S	1.83	1.83	1.83	1.83
ELPLU04	1.36	1.36	1.36	1.36

■ Monitoring and Controlling the Projector

Check these sections to monitor and control the projector over a network.

Method	Details
Epson Projector Management	Allows you to control and monitor multiple Epson projectors on a network. You can download Epson Projector Management from the following Web site. https://epson.com/
Epson Projector Management Connected	Projector information is managed on a cloud server, so it can be remotely monitored and controlled from any device. For more information, visit the following Web site. https://www.projection-service.epson.com/epm-connected/
ESC/VP21 Command	When the projector is connected to a computer with an RS-232C cable, you can control the projector with communication commands.
ESC/VP.net Command	You can monitor the projector using ESC/VP.net commands.
Epson Web Control	By using the Web browser of a computer connected to the projector on a network, you can set the projector's functions and control the projector.
Web API	You can control the projector using Web API communication using API authentication (Digest authentication). For details, see "Web API Specifications for Projectors" on the following Web site. epson.sn
SNMP	Network administrators can install SNMP (Simple Network Management Protocol) software on network computers so they can monitor projectors. This projector supports SNMP agent version 1 (SNMPv1).
PJLink command	The projector complies with the PJLink Class2 standard established by the JBMIA. From a computer connected to the projector on a network, you can control the projector with PJLink commands. For more details on PJLink, see the following Web site. http://pjlink.jbmia.or.jp/
Art-Net command	Art-Net is an Ethernet communication protocol based on the TCP/IP protocol. You can control the projector by using a DMX controller or an application system.
sACN	An Ethernet communication protocol based on the TCP/IP protocol. You can control the projector by using a DMX controller or an application system. sACN communicates using the multicast method.
Crestron Connected	If you are using a Crestron Connected network monitoring and control system, you can set up your projector for use on the system. For additional information on Crestron Connected, visit the Crestron Web site. https://www.crestron.com/

■ ESC/VP21 Command List

When a command is input, the projector executes the command and returns a ":" (3Ah), and then accepts the next command.

If the command being processed terminates abnormally, an error message is output and a ":" is returned.

The following list shows the frequently used commands.

You can check all available commands in the ESC/VP21 Command List.

Function Category: Startup/Shutdown

Function	Command Name	Parameter/Return Code	Value	Description
Power On	PWR ON			-
Power Off	PWR OFF			-
Get Operating Status	PWR?	↓		
	PWR=status	status	00	Standby State
		status	01	Normal State
		status	02	Warm-up State
		status	03	Cool-down State (Responds even during forced cooling in normal or abnormal states)
		status	04	Network Monitoring State
		status	05	Abnormal Standby State
		status	09	A/V Standby or USB Powered Standby

Function Category: Source Switching/Video Signal Settings

Function	Command Name	Parameter/Return Code	Value	Description
Input Source Switching/Get Setting Value	SOURCE source	source	30	HDMI1/DVI-D
		source	52	USB/USB1
		source	53	LAN
		source	60	SDI
		source	80	HDBase-T
		source	A0	HDMI2/DVI-D
		source	F0	Cyclic switching (All sources sequentially) - Switches through all sources in priority order.
		source	F1	Cyclic switching (PC Sources Sequentially) - Switches PC sources in priority order. (Including IM sources)
		source	F2	Cyclic switching (Video Source Sequentially) - Switches through video sources in priority order.
		source	300	Intel® SDM slot source
		source	INIT	Initialize setting - Switch to the input source with the highest priority.

Function	Command Name	Parameter/Return Code	Value	Description
	SOURCE?	↓		
	SOURCE=source	source	30	HDMI1/DVI-D
		source	52	USB/USB1
		source	53	LAN
		source	60	SDI
		source	80	HDBase-T
		source	A0	HDMI2/DVI-D
		source	F0	Common: Cyclic switching (All sources sequentially) -All source priority order to switching.
		source	F1	Common: Cyclic switching (PC source sequentially) - Switches PC sources in priority order. (Including IM sources)
		source	F2	Common: Cyclic switching (Video Source Sequentially) -Switches video source in priority order.
		source	300	Intel® SDM slot

Function Category: Audio

Function	Command Name	Parameter/Return Code	Value	Description
Volume setting/Get Setting Value	VOL value	value	0-255	Sets the volume to the specified value. (A value obtained by mapping the menu setting range to 256 steps.)
		value	INIT	Sets the volume to the initial value.
		value	INC	Increases the volume by 1 step.
		value	DEC	Decreases the volume by 1 step.
	VOL?	↓		
	VOL=value	value	0-255	Returns the volume setting value. (A value obtained by mapping the menu setting range to 256 steps.)
Shutter release setting/ Get Setting Value	MUTEMODE	mode	00	"A/V Mute Off" = <All> or "Shutter Off" = <All>
		mode	01	"A/V Mute Off" = <A/V Mute> or "Shutter Off" = <Shutter>
	MUTEMODE?	↓		
		MUTEMODE=mode	00	"A/V Mute Off" = <All> or "Shutter Off" = <All>
		mode	01	"A/V Mute Off" = <A/V Mute> or "Shutter Off" = <Shutter>

Function Category: Additional Functions

Function	Command Name	Parameter/Return Code	Value	Description
A/V Mute Execution and Release/Get State	MUTE sw	sw	ON	Execute A/V Mute.
		sw	OFF	Release A/V Mute.
		sw	INIT	Release A/V Mute.
	MUTE?	↓		
	MUTE=sw	sw	ON	Executing A/V Mute.
		sw	OFF	Releasing A/V Mute.
Freeze Execution and Release/Get State	FREEZE sw	sw	ON	Execute Freeze.
		sw	OFF	Release Freeze.
		sw	INIT	Initialize Freeze setting value.
	FREEZE?	↓		
	FREEZE=sw	sw	ON	Executing Freeze.
		sw	OFF	Releasing Freeze.

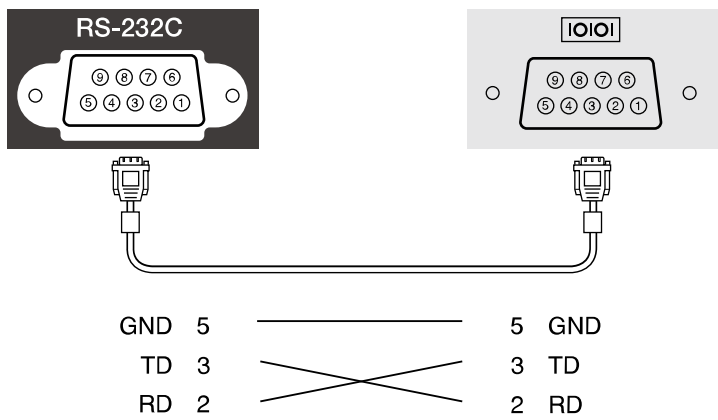
Add a Carriage Return (CR) code (0Dh) to the end of each command and transmit.
Contact Epson for more details.

■ Cable Layouts

Serial connection

- Connector shape: D-Sub 9-pin (male)
- Projector input port name: RS-232C
- Cable type: Crossover (null modem) cable

In the following illustration, the projector side is shown on the left, and the computer side on the right:



Signal name	Function
GND	Signal wire ground
TD	Transmit data
RD	Receive data

Communications protocol

- Default baud rate setting: 9,600 bps
- Data length: 8 bit
- Parity: None
- Stop-bit: 1 bit
- Flow control: None

■ PJLink Command List

The port number used for the PJLink search function is 4352 (UDP).

Function	Command	Setting Value/Response Value		Content	Notes
Power control instruction	POWR ?	0		Power-off (Standby/Error standby)	-
		1		Power-on (Light source on)	-
		2		Cooling status	-
		3		Warm-up status	-
Input switch instruction Input switch query	INPT INPT ?	21		Slot	-
		32		HDMI1	-
		33		HDMI2	-
		34		SDI	-
		41		USB	-
		52		LAN	-
		56		HDBaseT	-
Input toggling list query	INST ?	21		Slot	Displays a list of the available input sources of the projector.
		32		HDMI1	
		33		HDMI2	
		34		SDI	
		41		USB	
		52		LAN	
		56		HDBaseT	
Error status query	ERST ?	First character	2	Fan Error	"0" is displayed when no error has occurred.
		Second character	2	Laser error Laser on error	
		Third character	1	High Temp Warning	
			2	Temperature error	
		Fourth character	2	Upper case open error	
		Sixth character	1	Other warnings	
A/V Mute status query	AVMT ?	30		A/V mute off	Does not support video mute off/on (11) or audio mute off/on (21).
		31		A/V mute on	
Projector name query	NAME ?	-		Projector Name	Displays the name set in [Network] - [Network Configuration] - [Basic] - [Projector Name] in the projector's menu.
Manufacture name information query	INF1 ?	EPSON		Manufacture name	-
Model name information query	INF2 ?	EPSON XQ2030B		EB-XQ2030B	-
Class information query	CLSS ?	2		-	-
Light source number, lighting hour query	LAMP ?	[L1 light source usage time] [L1 light source query] (ESC/VP21 command: LAMP?, PWSTATUS?)		-	-

■ Class2 Command List

Function	Command	Setting Value/Response Value		Content	Notes
Request to search projector	SRCH ?	-		-	-

Function	Command	Setting Value/Response Value	Content	Notes
Response to projector search	ACKN	-	-	-
Status notification (link up)	LKUP =	-	-	When address is confirmed.
Status notification (error occurred)	ERST =	-	-	-
Status notification (changing power status)	POWR =	-	-	-
Status notification (changing input source)	INPT =	-	-	-
Serial number query	SNUM ?	11 digit numbers	Serial number of projector being used	-
Software version query	SVER ?	-	Firmware version of projector being used	-
Input port name query	INNM ?xx	(Source name)	-	xx is a 2 digit number used in the input toggling list query.
Input signal resolution query	IRES ?	(Horizontal resolution) × (Vertical resolution)	-	-
Panel resolution query	RRES ?	(Horizontal resolution) × (Vertical resolution)	Panel resolution of your projector	The value may vary depending on the [Screen Type] setting in the projector's menu.
Speaker volume adjustment order	SVOL	VOL INC/DEC	-	-
Static function setting Static status query	FREZ FREZ ?	0	Freeze off	-
		1	Freeze on	-

■ Art-Net / sACN Channel Specifications

Channel/Function	Operation	Parameters	Default value	Description
1 Adjusting light (dimming)	0% - 100%	0 to 255	0	Adjusts the image brightness.
2 Shutter and A/V Mute control	A/V Mute off Shutter open	0 to 63	128	Closes/opens the Shutter.
	A/V Mute on Shutter closed	192 to 255		
3 Switch source	HDMI1	8 to 15	0	Switches to the specified source.
	HDMI2	16 to 23		
	HDBaseT	24 to 31		
	SDI	48 to 55		
	LAN	80 to 87		
	USB	96 to 103		
4 Lens Position	Move to home position	32 to 63	0	Moves the lens shift to the home position.
5 Horizontal Lens Shift	(+) lens adjustment (large)	0 to 31	128	Performs horizontal lens shift using the amount of movement specified.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
6 Vertical Lens Shift	(+) lens adjustment (large)	0 to 31	128	Performs vertical lens shift using the amount of movement specified.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
7 Electronic Zoom	(+) lens adjustment (large)	0 to 31	128	Performs electronic zoom using the specified amount of movement.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
8 Electronic focus	(+) lens adjustment (large)	0 to 31	128	Performs electronic focus using the specified amount of movement.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
9 Electronic distortion	(+) lens adjustment (large)	0 to 31	128	Performs electronic distortion using the amount of movement specified.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		

Channel/Function	Operation	Parameters	Default value	Description
10 Load Lens Memory	Memory 1	16 to 31	0	Loads the specified lens memory.
	Memory 2	32 to 47		
	Memory 3	48 to 63		
	Memory 4	64 to 79		
	Memory 5	80 to 95		
	Memory 6	96 to 111		
	Memory 7	112 to 127		
	Memory 8	128 to 143		
	Memory 9	144 to 159		
	Memory 10	160 to 175		
11 Power control	Off	0 to 63	128	Turns the projector power on or off.
	Power on	192 to 255		
12 Geometry Correction	Off	0 to 15	255	Corrects the image shape.
	H/V-Keystone	16 to 31		
	Quick Corner	32 to 47		
	Point Correction	48 to 63		
	Arc Correction	64 to 79		
	Corner Wall Correction	80 to 95		
	Load Memory1	96 to 111		
	Load Memory2	112 to 127		Loads image shape setting from memory.
	Load Memory3	128 to 143		
13 Lock	Cannot control	0 to 127	0	Enables/disables Art-Net operations.
	Can control	128 to 255		
14 Freeze	Freeze off	32 to 95	128	Enables/disables Freeze.
	Freeze on	160 to 223		
15 Fade-in	0.0s	0 to 15	255	Specifies Fade-in time when the Shutter is released or the A/V Mute is turned off.
	0.5s	16 to 31		
	1.0s	32 to 47		
	1.5s	48 to 63		
	2.0s	64 to 79		
	2.5s	80 to 95		
	3.0s	96 to 111		
	3.5s	112 to 127		
	4.0s	128 to 143		
	5.0s	144 to 159		
	7.0s	160 to 175		
	10.0s	176 to 191		

Channel/Function	Operation	Parameters	Default value	Description
16 Fade-out	0.0s	0 to 15	255	Specifies Fade-out time when the Shutter is executed or the A/V Mute is turned on.
	0.5s	16 to 31		
	1.0s	32 to 47		
	1.5s	48 to 63		
	2.0s	64 to 79		
	2.5s	80 to 95		
	3.0s	96 to 111		
	3.5s	112 to 127		
	4.0s	128 to 143		
	5.0s	144 to 159		
	7.0s	160 to 175		
	10.0s	176 to 191		
17 Light Source Control	0% - 100% (1% increments)	0 to 255	255	• Executes LUMLEVEL command for the specified brightness level when selecting 100-8%. • Executes A/V Mute when selecting less than 8%. • Fade-in/Fade-out settings are ignored.

Channel/Function	Operation	Parameters	Default value	Description
18 Content playback	Playlist 1	4 to 7	0	Plays the specified playlist.
	Playlist 2	8 to 11		
	Playlist 3	12 to 15		
	Playlist 4	16 to 19		
	Playlist 5	20 to 23		
	Playlist 6	24 to 27		
	Playlist 7	28 to 31		
	Playlist 8	32 to 35		
	Playlist 9	36 to 39		
	Playlist 10	40 to 43		
	Playlist 11	44 to 47		
	Playlist 12	48 to 51		
	Playlist 13	52 to 55		
	Playlist 14	56 to 59		
	Playlist 15	60 to 63		
	Playlist 16	64 to 67		
	Playlist 17	68 to 71		
	Playlist 18	72 to 75		
	Playlist 19	76 to 79		
	Playlist 20	80 to 83		
	Playlist 21	84 to 87		
	Playlist 22	88 to 91		
	Playlist 23	92 to 95		
	Playlist 24	96 to 99		
	Playlist 25	100 to 103		
	Playlist 26	104 to 107		
	Playlist 27	108 to 111		
	Playlist 28	112 to 115		
	Playlist 29	116 to 119		
	Playlist 30	120 to 123		
	Playlist 31	124 to 127		
	Playlist 32	128 to 131		
	Playlist 33	132 to 135		
	Playlist 34	136 to 139		
	Playlist 35	140 to 143		
	Playlist 36	144 to 147		
	Playlist 37	148 to 151		
	Playlist 38	152 to 155		
	Playlist 39	156 to 159		
	Playlist 40	160 to 163		
	Playlist 41	164 to 167		
	Playlist 42	168 to 171		
	Playlist 43	172 to 175		
	Playlist 44	176 to 179		

Channel/Function	Operation	Parameters	Default value	Description
18 Content playback	Playlist 45	180 to 183		
	Playlist 46	184 to 187		
	Playlist 47	188 to 191		
	Playlist 48	192 to 195		
	Playlist 49	196 to 199		
	Playlist 50	200 to 203		

When controlling the projector using Art-Net and operating the projector using the remote control or control panel, the settings and projector status for the DMX controller or application system may differ. When you want to control all channels in the projector, set channel 13 to "Cannot operate", and then return it to "Can operate".

■ Getting the Latest Version of the Documents

You can get the latest version of the manuals and specifications on the Epson Web site.
Visit epson.jp/lcp/doc/, and enter your model name.

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