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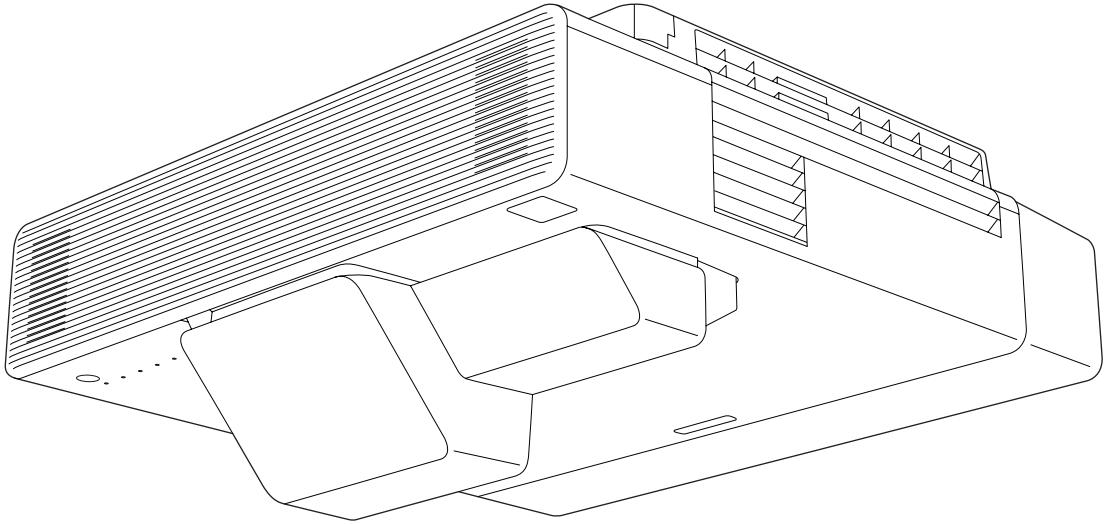
EB-1485Fi ELPMB62
EB-1480Fi ELPFT01
ELPMB63
ELPHD02

Specifications



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About This Document

This document contains specification information of your projector and optional accessories such as external devices and mounts. See your projector's User's Guide and Installation Guide for more details.

Projector Specifications

This projector projects an ultra short-throw laser display.

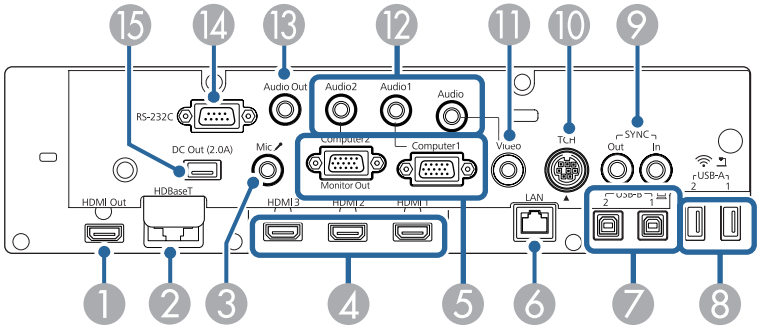
- You can project images without shadowing even when a presenter stands near the projection surface.
- You can annotate the projected screen using the interactive pen or the touch-based interactivity using your finger.

Mechanical Specifications

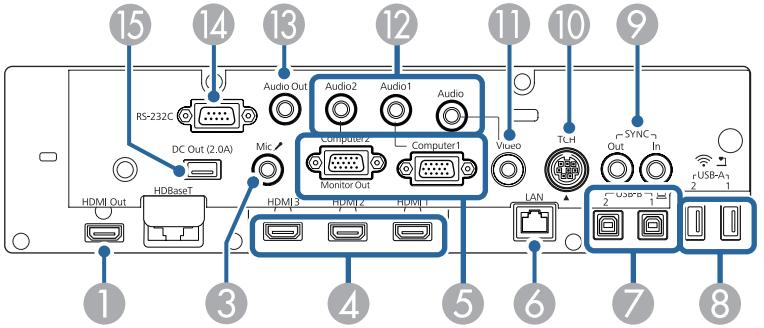
Item		EB-1485Fi	EB-1480Fi
Dimensions	Maximum	W458×H223.5×D450 mm	
	Not including raised section and cable cover	W458×H209.5×D375 mm	
Weight	Projector only (not including cable cover)	Approx. 9.3 kg	
	Projector only (including cable cover)	Approx. 9.7 kg	
	Projector and wall mount	Approx. 18.9 kg	Approx. 18.5 kg
Speaker	Number	2	
	Max. audio output	8 W×8 W (stereo)	

Interface

EB-1485Fi



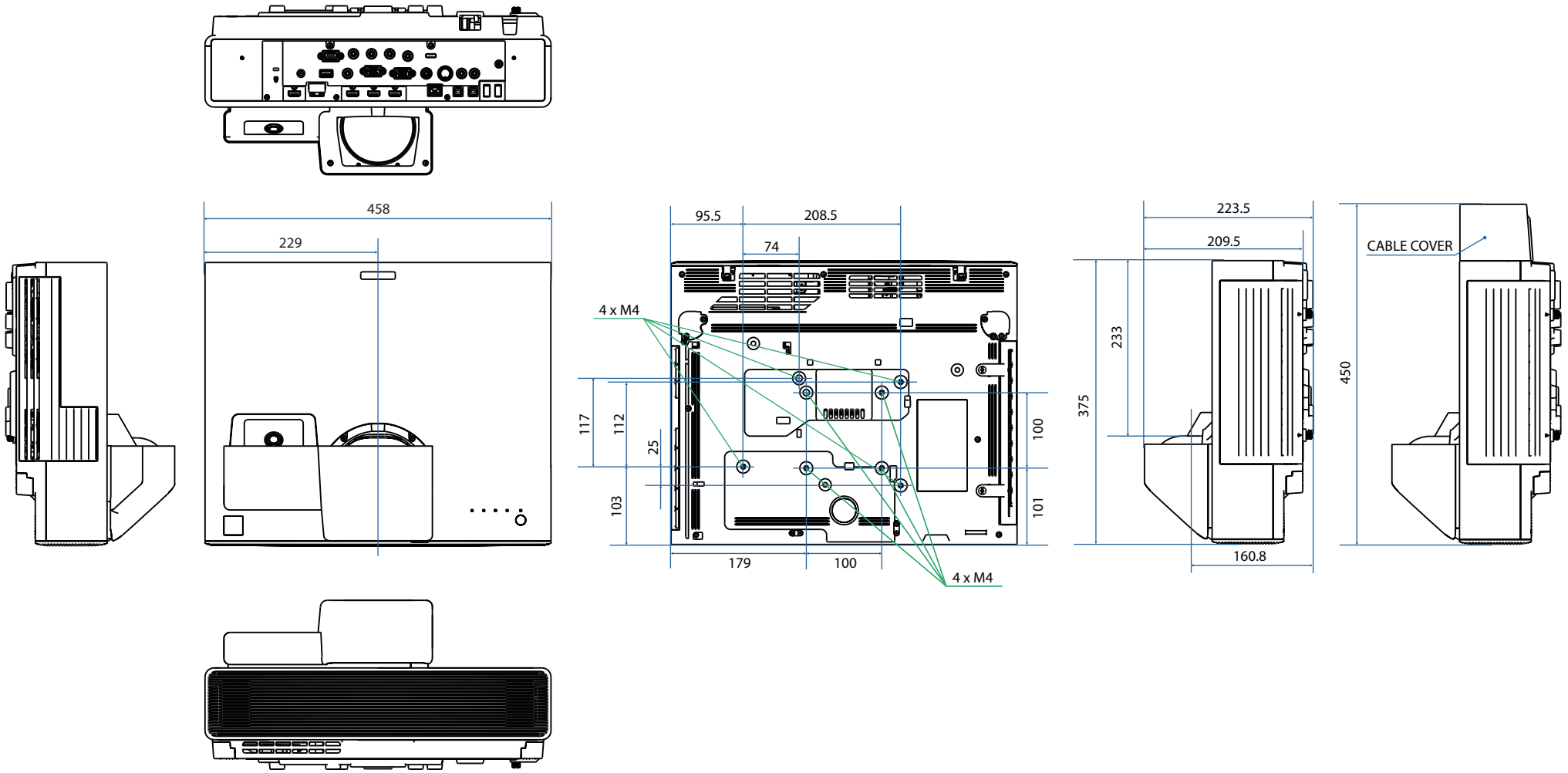
EB-1480Fi



No	Name
1	HDMI Out port (HDMI)
2	HDBaseT port (RJ-45) (EB-1485Fi only)
3	Mic port (stereo mini)
4	HDMI1/HDMI2/HDMI3 port (HDMI)
5	Computer1 port (mini D-Sub15pin) Computer2/Monitor Out port* (mini D-Sub15pin)
6	LAN port (RJ-45: 100Base-TX)
7	USB-B1/USB-B2 port (USB Type-B)
8	USB-A1/USB-A2 port (USB Type-A)
9	SYNC IN/OUT port (stereo mini)
10	TCH port for connecting the Touch Unit (mini DIN 8pin)
11	Video port (composite RCA)
12	Audio1/Audio2/Audio port (stereo mini)
13	Audio Out port (stereo mini)
14	RS-232C port (D-Sub 9pin)
15	DC Out port (USB Type-A)

* Select the projector's [Signal I/O] > [Monitor Out Port] setting to set the behavior of this port.

Dimensions


458
229
95.5
208.5
74
4 x M4
117
112
25
103
100
101
179
100
4 x M4
223.5
209.5
233
375
160.8
CABLE COVER
450

Internal Specifications

Item			EB-1485Fi	EB-1480Fi
Projection system			RGB liquid crystal shutter	
LCD panel	Size (diagonal)		0.62"	
	Display method		Poly-silicon TFT active matrix	
	Pixel number		1,049,088 dots FWXGA (W 1,366 × H 768 dots) × 3	
	Aspect ratio		16:9	
Screen resolution			2,073,600 dots[*1]	
Projection lens	Lens	F-number	1.5	
		Focal length	3.9 mm	
	Zoom	System	Digital	
		Method	Manual	
		Ratio	1.0 - 1.35	
	Focus	Method	Manual	
	Screen size	Wide	65" - 100" (Aspect ratio 16:9) 61" - 120" (Aspect ratio 16:6)	65" - 100" (Aspect ratio 16:9)
		Tele	48" - 74" (Aspect ratio 16:9)	
	Throw ratio	Wide	0.27	
		Tele	0.37	
Light source	Type		Laser diode	
	Output power		Up to 104.5 W	
	Wavelength		449 - 461 nm	
	Life [*2]		Up to about 20,000 hours (Light Source Mode: Normal or Quiet) Up to about 30,000 hours (Light Source Mode: Extended)	
Brightness/ Image quality	Brightness [*3]		5,000 lm (Light Source Mode: Normal) 3,500 lm (Light Source Mode: Quiet or Extended)	
	Contrast ratio [*3]		Over 2,500,000:1 (Dynamic Contrast: On)	
	Color reproduction		Approx. 1,070 million colors (Depends on the interface)	
Power supply			100-240V AC±10% 50/60Hz 3.8 - 1.7 A	
Power consumption	Operating	100 - 120 V	381 W	
		220 - 240 V	366 W	
	Standby	Communication: On	2.0 W	
		Communication: Off	0.5 W	

Item			EB-1485Fi	EB-1480Fi
Scanning frequency	Analog	Pixcel clock	13.5 MHz - 162 MHz	
		Horizontal	15 kHz - 92 kHz	
		Vertical	50 Hz - 85 Hz	
	HDMI	Pixcel clock	13.5 MHz - 297 MHz	
		Horizontal	15 kHz - 135 kHz	
		Vertical	23.98/24/25/29.97/30/50/59.94/60 Hz	
	HDBaseT	Pixcel clock	13.5 MHz - 297 MHz	
		Horizontal	15 kHz - 135 kHz	
		Vertical	23.98/24/25/29.97/30/50/59.94/60 Hz	
Operation environment	Altitude		Altitude 0 - 3,048 m	
	Temperature [*4]	When using a single projector installation	Altitude of 0 to 2,286 m: 0 to +40°C (No condensation) Altitude of 2,287 to 3,048 m: 0 to +35°C (Humidity of 20 to 80%, No condensation)	
		When using a multiple projector installation	Altitude of 0 to 2,286 m: 0 to +35°C (No condensation) Altitude of 2,287 to 3,048 m: 0 to +30°C (Humidity of 20 to 80%, No condensation)	
	Storage temperature		-10 to +60°C (No condensation)	
	Heat output (maximum)	100 - 120 V	1295 BTU/Hour	
		220 - 240 V	1244 BTU/Hour	
	Fan noise [*3]		36 dB (Light Source Mode: Normal or Extended) 27 dB (Light Source Mode: Quiet)	
	Exhaust air volume (maximum)		95CFM	
Wireless communication	Standard	Wireless LAN	IEEE 802.11b/g/n (2.4GHz) (DSSS/CCK, OFDM) IEEE 802.11a/n/ac (5GHz) (OFDM)	
		Screen Mirroring	IEEE 802.11g/n (2.4GHz) (OFDM) IEEE 802.11a/n/ac (5GHz) (OFDM)	
	Security type	Wireless LAN	WPA2/WPA3-PSK, WPA2/WPA3-EAP WPA3-PSK, WPA3-EAP (EAP type: PEAP/ PEAP-TLS/ EAP-TLS/ EAP-Fast)	
		Screen Mirroring	WPA2-PSK (AES)	

*1 Pixel shifting technology achieves Full HD resolution on screen.

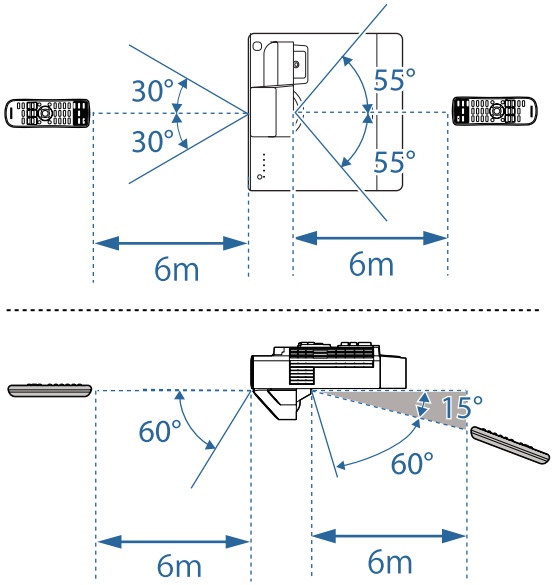
*2 Approximate time until the light source brightness decreases to half of its original value.
(Assuming the projector is used in an atmosphere in which airborne particulate matter is less than 0.04 to 0.2mg/m3. The estimated time varies depending on the projector usage and operating conditions.)

*3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

*4 Light source brightness automatically dims if the surrounding temperature gets too high. (Approximately 35°C at an altitude of 0 to 2,286 m, and approximately 30°C at an altitude of 2,287 to 3,048 m; however, this may vary depending on the surrounding environment.)

Remote Control Operation

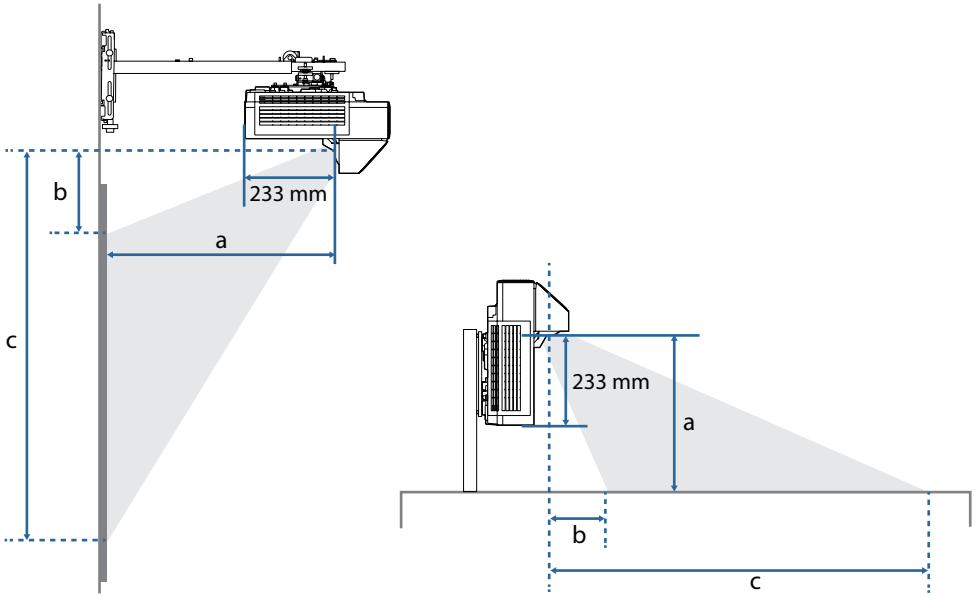
Make sure that you aim the remote control at the projector's receivers within the distance and angles listed here.



Projection Distance Formula

You can calculate the projection distance using the following formulas.
You can see a more detailed projection simulation on our Web site.
https://epson.com/

The installation work (wall mounting) should be performed by specialists who have technical knowledge and ability.



<Screen aspect ratio 16:9>

Projection distance (a) formula	
Minimum (Wide)	a (mm) = Projection screen size (inch) × 6.332 - 20.027 b (mm) = Projection screen size (inch) × 1.6214 c (mm) = Projection screen size (inch) × 14.0741
Maximum (Tele)	a (mm) = Projection screen size (inch) × 8.5482 - 20.027 b (mm) = Projection screen size (inch) × 4.3682 c (mm) = Projection screen size (inch) × 16.8208

<Screen aspect ratio 16:10>

Projection distance (a) formula	
Minimum (Wide)	a (mm) = Projection screen size (inch) ×6.8452 - 20.027 b (mm) = Projection screen size (inch) ×1.7529 c (mm) = Projection screen size (inch) ×15.2148
Maximum (Tele)	a (mm) = Projection screen size (inch) ×9.2411 - 20.027 b (mm) = Projection screen size (inch) ×4.7222 c (mm) = Projection screen size (inch) ×18.1842

<Screen aspect ratio 4:3>

Projection distance (a) formula	
Minimum (Wide)	a (mm) = Projection screen size (inch) × 7.7493 - 20.027 b (mm) = Projection screen size (inch) × 1.9844 c (mm) = Projection screen size (inch) × 17.2244
Maximum (Tele)	a (mm) = Projection screen size (inch) × 10.4616 - 20.027 b (mm) = Projection screen size (inch) × 5.3459 c (mm) = Projection screen size (inch) × 20.5859

<Screen aspect ratio 16:6>

Projection distance (a) formula		
When Screen Position is in the middle	Minimum (Wide)	a (mm) = Projection screen size (inch) × 6.8024 - 20.027 b (mm) = Projection screen size (inch) × 3.9715 c (mm) = Projection screen size (inch) × 12.8901
	Maximum (Tele) *	a (mm) = Projection screen size (inch) × 9.1833 - 20.027 b (mm) = Projection screen size (inch) × 5.3615 c (mm) = Projection screen size (inch) × 14.2801
When Screen Position is at the top	Minimum (Wide)	a (mm) = Projection screen size (inch) × 6.8024 - 20.027 b (mm) = Projection screen size (inch) × 1.7419 c (mm) = Projection screen size (inch) × 10.6604
	Maximum (Tele) *	a (mm) = Projection screen size (inch) × 9.1833 - 20.027 b (mm) = Projection screen size (inch) × 2.3515 c (mm) = Projection screen size (inch) × 11.2700

<Screen aspect ratio 21:9>

Projection distance (a) formula		
When Screen Position is in the middle	Minimum (Wide)	a (mm) = Projection screen size (inch) × 6.6776 - 20.027 b (mm) = Projection screen size (inch) × 3.2733 c (mm) = Projection screen size (inch) × 13.2789
	Maximum (Tele) *	a (mm) = Projection screen size (inch) × 9.0147 - 20.027 b (mm) = Projection screen size (inch) × 4.419 c (mm) = Projection screen size (inch) × 14.4245
When Screen Position is at the top	Minimum (Wide)	a (mm) = Projection screen size (inch) × 6.6776 - 20.027 b (mm) = Projection screen size (inch) × 1.7099 c (mm) = Projection screen size (inch) × 11.7154
	Maximum (Tele) *	a (mm) = Projection screen size (inch) × 9.0147 - 20.027 b (mm) = Projection screen size (inch) × 2.3084 c (mm) = Projection screen size (inch) × 12.3139

* When the image is shifted to the topmost position using the Image Shift feature.

Supported Monitor Display Resolutions

PC

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	Computer		HDMI/HDBaseT									
							RGBHV	YCbCr	RGB			YCbCr						
												4:4:4			4:2:2			4:2:0		
									8	10	12	8	10	12	8	10	12	8	10	12
VGA60	640	480	31.47	60	25.175	Progressive	✓		✓											
VGA72	640	480	37.86	72	31.500	Progressive	✓													
VGA75	640	480	37.50	75	31.500	Progressive	✓													
VGA85	640	480	43.27	85	36.000	Progressive	✓													
SVGA60	800	600	37.88	60	40.000	Progressive	✓		✓											
SVGA72	800	600	48.08	72	50.000	Progressive	✓													
SVGA75	800	600	46.88	75	49.500	Progressive	✓													
SVGA85	800	600	53.67	85	56.250	Progressive	✓													
XGA60	1024	768	48.36	60	65.000	Progressive	✓		✓											
XGA70	1024	768	56.48	70	75.000	Progressive	✓													
XGA75	1024	768	60.02	75	78.750	Progressive	✓													
XGA85	1024	768	68.68	85	94.500	Progressive	✓													
WXGA60-1	1280	768	47.78	60	79.500	Progressive	✓													
WXGA60	1280	800	49.70	60	83.500	Progressive	✓		✓											
WXGA75	1280	800	62.80	75	106.500	Progressive	✓													
WXGA85	1280	800	71.55	85	122.500	Progressive	✓													
WXGA60-3	1366	768	47.71	60	85.500	Progressive	✓		✓											
WXGA+60	1440	900	55.94	60	106.500	Progressive	✓		✓											
WXGA+75	1440	900	70.64	75	136.750	Progressive	✓													
WXGA+85	1440	900	80.43	85	157.000	Progressive	✓													
WXGA++	1600	900	60.00	60	108.000	Progressive	✓		✓											

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	Computer		HDMI/HDBaseT											
							RGBHV	YCbCr	RGB			YCbCr								
												4:4:4			4:2:2			4:2:0		
									8	10	12	8	10	12	8	10	12	8	10	12
SXGA1_70	1152	864	63.85	70	94.500	Progressive	✓													
SXGA1_75	1152	864	67.50	75	108.000	Progressive	✓													
SXGA1_85	1152	864	77.09	85	121.500	Progressive	✓													
SXGA2_60	1280	960	60.00	60	108.000	Progressive	✓		✓											
SXGA2_75	1280	960	75.00	75	126.000	Progressive	✓													
SXGA2_85	1280	960	85.94	85	148.500	Progressive	✓													
SXGA3_60	1280	1024	63.98	60	108.000	Progressive	✓		✓											
SXGA3_75	1280	1024	79.98	75	135.000	Progressive	✓													
SXGA3_85	1280	1024	91.15	85	157.500	Progressive	✓													
SXGA+60	1400	1050	65.32	60	121.750	Progressive	✓		✓											
SXGA+75	1400	1050	82.28	75	156.000	Progressive	✓													
WSXGA+60	1680	1050	65.29	60	146.250	Progressive	✓		✓											
UXGA60	1600	1200	75.00	60	162.000	Progressive	✓		✓											
1920x1080	1920	1080	56.25	50	148.500	Progressive	✓		✓											
1920x1080	1920	1080	67.50	60	148.500	Progressive	✓		✓											
WUXGA60 (Reduced Blanking)	1920	1200	74.04	60	154.000	Progressive	✓		✓											
QXGA	2048	1536	95.45	60	267.250	Progressive			✓											
WQHD	2560	1440	88.79	60	241.500	Progressive			✓											
WQXGA (Reduced Blanking)	2560	1600	98.71	60	268.500	Progressive			✓											

Unique Aspect

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	HDMI/HDBaseT											
							RGB			YCbCr								
										4:4:4			4:2:2			4:2:0		
							8	10	12	8	10	12	8	10	12	8	10	12
Unique aspect (16:6)	1920	720	45.96	60	95.045	Progressive	✓											
Unique aspect (21:9)	1920	810	51.72	60	106.956	Progressive	✓											
Connecting two projectors in a chain	3240	1080	69.00	60	237.084	Progressive	✓											

If the image is not projected correctly, set the timing settings on your computer to match the values in the following tables. (You may not be able to change these settings, depending on your computer.)

Mode	Dotclk (MHz)	H Freq (KHz)	Refresh Rate (Hz)	H Active (dot)	H Front Porch (dot)	H Sync Width (dot)	H Back Porch (dot)	V Active (line)	V Front Porch (line)	V Sync Width (line)	V Back Porch (line)	H Sync Polarity	V Sync Polarity	Scan Type
Unique aspect (16:6)	95.045	45.96	60	1920	42	32	74	720	20	8	18	Positive	Negative	Progressive
Unique aspect (21:9)	106.956	51.72	60	1920	42	32	74	810	24	8	20	Positive	Negative	Progressive
Connecting two projectors in a chain	237.084	69.00	60	3240	66	32	98	1080	37	8	25	Positive	Negative	Progressive

Video

Mode	Resolution (dot)		H sync (KHz)	Refresh rate (Hz)	Dotclk (MHz)	Scan type
NTSC	720	480	15.73	60	13.500	Interlace
NTSC4.43	720	480	15.73	60	13.500	Interlace
PAL	720	576	15.63	50	13.500	Interlace
M-PAL	720	576	15.73	60	13.500	Interlace
N-PAL	720	576	15.63	50	13.500	Interlace
PAL60	720	576	15.73	60	13.500	Interlace
SECAM	720	576	15.63	50	13.500	Interlace

SD

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	Computer		HDMI/HDBaseT											
							RGBHV	YCbCr	RGB			YCbCr								
												4:4:4			4:2:2			4:2:0		
									8	10	12	8	10	12	8	10	12	8	10	12
SDTV (480i)	720	480	15.73	59.94	13.500	Interlace			✓			✓			✓					
SDTV (576i)	720	576	15.63	50	13.500	Interlace			✓			✓			✓					
SDTV (480p)	720	480	31.47	59.94	27.000	Progressive	✓		✓			✓			✓					
SDTV (576p)	720	576	31.25	50	27.000	Progressive	✓		✓			✓			✓					

HD

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	Computer		HDMI/HDBaseT											
							RGBHV	YCbCr	RGB			YCbCr								
												4:4:4			4:2:2			4:2:0		
									8	10	12	8	10	12	8	10	12	8	10	12
HDTV (720p)	1280	720	37.50	50	74.250	Progressive	✓		✓			✓			✓					
HDTV (720p)	1280	720	44.96	59.94	74.176	Progressive	✓		✓			✓			✓					
HDTV (720p)	1280	720	45.00	60	74.250	Progressive	✓		✓			✓			✓					
HDTV (1080i)	1920	1080	28.13	50	74.250	Interlace			✓			✓			✓					
HDTV (1080i)	1920	1080	33.72	59.94	74.176	Interlace			✓			✓			✓					
HDTV (1080i)	1920	1080	33.75	60	74.250	Interlace			✓			✓			✓					
HDTV (1080p)	1920	1080	26.97	23.98	74.176	Progressive			✓			✓			✓					
HDTV (1080p)	1920	1080	27.00	24	74.250	Progressive			✓			✓			✓					
HDTV (1080p)	1920	1080	28.13	25	74.250	Progressive			✓			✓			✓					
HDTV (1080p)	1920	1080	33.72	29.97	74.176	Progressive			✓			✓			✓					
HDTV (1080p)	1920	1080	33.75	30	74.250	Progressive			✓			✓			✓					
HDTV (1080p)	1920	1080	56.25	50	148.500	Progressive	✓		✓			✓			✓					
HDTV (1080p)	1920	1080	67.43	59.94	148.352	Progressive	✓		✓			✓			✓					
HDTV (1080p)	1920	1080	67.50	60	148.500	Progressive	✓		✓			✓			✓					

4K

Mode	Resolution (dot)		H Sync (KHz)	Refresh Rate (Hz)	Dotclk (MHz)	Scan Type	HDMI/HDBaseT											
							RGB			YCbCr								
										4:4:4			4:2:2			4:2:0		
							8	10	12	8	10	12	8	10	12	8	10	12
4K (3840x2160)	3840	2160	53.95	23.98	296.703	Progressive	✓			✓			✓					
4K (3840x2160)	3840	2160	54.00	24	297.000	Progressive	✓			✓			✓					
4K (3840x2160)	3840	2160	56.25	25	297.000	Progressive	✓			✓			✓					
4K (3840x2160)	3840	2160	67.43	29.97	296.703	Progressive	✓			✓			✓					
4K (3840x2160)	3840	2160	67.50	30	297.000	Progressive	✓			✓			✓					
4K (3840x2160)	3840	2160	112.50	50	297.000	Progressive										✓		
4K (3840x2160)	3840	2160	134.87	59.94	296.703	Progressive										✓		
4K (3840x2160)	3840	2160	135.00	60	297.000	Progressive										✓		
4K(4096x2160) (SMPTE)	4096	2160	53.95	23.98	296.703	Progressive	✓			✓			✓					
4K(4096x2160) (SMPTE)	4096	2160	54.00	24	297.000	Progressive	✓			✓			✓					
4K(4096x2160) (SMPTE)	4096	2160	112.50	50	297.000	Progressive										✓		
4K(4096x2160) (SMPTE)	4096	2160	134.87	59.94	296.703	Progressive										✓		
4K(4096x2160) (SMPTE)	4096	2160	135.00	60	297.000	Progressive										✓		

Application and System Requirements

You can use the following applications with your projector.
See the following Web site to check the system requirements and download the necessary application and manuals.
epson.sn/

Application	Details
USB Display	You can send video and audio output to the projector through the computer's USB port.
Easy Interactive Driver	You can control your Mac programs from the projected screen using computer interactive mode.
Easy Interactive Tools	You can print and save annotations on the projected images.
Epson iProjection (Windows/Mac)	You can project images from network projectors. You can project up to four images at the same time by splitting the projected screen.
Epson iProjection (iOS/Android)	You can project image from your mobile devices wirelessly.
Epson iProjection (Chromebook)	You can project image from your Chromebook wirelessly.
Epson Projector Management	You can check the status of multiple networked projectors and perform various projector operations from your computer.

USB Display System Requirements

To use the projector's Epson USB Display software, your computer must meet the following system requirements.

Requirement	Windows	Mac
Operating system	Windows 7 • Ultimate (32- and 64-bit) • Enterprise (32- and 64-bit) • Professional (32- and 64-bit) • Home Premium (32- and 64-bit) • Home Basic (32-bit) • Starter (32-bit) Windows 8.1 • Windows 8.1 (32- and 64-bit) • Windows 8.1 Pro (32- and 64-bit) • Windows 8.1 Enterprise (32- and 64-bit) Windows 10 • Windows 10 Home (32- and 64-bit) • Windows 10 Pro (32- and 64-bit) • Windows 10 Enterprise (32- and 64-bit)	OS X • 10.11.x (64 bit) macOS • 10.12.x (64 bit) • 10.13.x (64 bit) • 10.14.x (64 bit)
CPU	Intel Core2Duo or faster (Intel Core i3 or faster recommended)	Intel Core2Duo or faster (Intel Core i5 or faster recommended)
Memory	2 GB or more (4 GB or more recommended)	
Hard disk space	20 MB or more	
Display	Resolution between 640 × 480 and 1920 × 1200 16-bit color or more	

Interactive Features Specifications

Computer Interactive Mode System Requirements

Your computer must use one of the following operating systems to use the computer interactive mode.

Requirements	Windows	Mac	Ubuntu
Operating system	Windows 7 Service Pack 1 • Ultimate (32- and 64-bit) • Enterprise (32- and 64-bit) • Professional (32- and 64-bit) • Home Premium (32- and 64-bit)	OS X • 10.11.x	Ubuntu • 16.04 LTS • 18.04 LTS • 19.04
	Windows 8.1 • Windows 8.1 (32- and 64-bit) • Windows 8.1 Pro (32- and 64-bit) • Windows 8.1 Enterprise (32- and 64-bit)	macOS • 10.12.x • 10.13.x • 10.14.x	
	Windows 10 • Windows 10 Home (32- and 64-bit) • Windows 10 Pro (32- and 64-bit)		

Interactive Features Input and Output Specifications

Supported input file format

You can read these types of files to the whiteboard.

File Type	Item	Details
JPEG	Resolution	Recommend: 1920×1080 Maximum: 2048×2048
	Note	CMYK color and progressive format files are not supported
PNG	Resolution	Recommend: 1920×1080 Maximum: 2048×2048
	Note	Transparent files and interlaced PNG are not supported
PDF	Version	1.7 or earlier
	Encrypt	Supported only password encryption
EWF2 (Epson Whiteboard Format)		

Supported output file format

You can save your drawings to these types of files.

File type	Item	Details
JPEG	Resolution	1920×1080
PNG		
PDF	version	1.5
	Encrypt	Password encryption
EWF2 (Epson Whiteboard Format)	Maximum resolution	1920×1080

Supported Printers and Scanners

You can use printers that support these types of control commands.
If you want to scan a document, use the scan function of your printer.

Control Commands	Connection Method
ESC/P-R	USB or Network
ESC/I	
ESC/I-2	
PCL6	Network

Network Folder Settings

Select the [Interactive] > [Save] setting to access to the network folder so that you can save your drawings. Enter "share name\folder name" in the [Shared Folder Path] setting.

Item	IP address	FQDN
Protocol	CIFS	
Available ports	445/UDP, 445/TCP	
Name resolution	None (Unicast)	DNS server

Mail Server Settings

Select the [Interactive] > [Mail] setting to send your drawings using emails.
We recommend the following settings. Connection through the proxy server is not supported.

Service Name	Host Name	Authentication Method	Port Number
Gmail	smtp.gmail.com	TLS	587
Yahoo! mail	smtp.mail.yahoo.com	SSL	465
	smtp.mail.yahoo.co.jp		
Outlook.com	smtp-mail.outlook.com	TLS	587
Office365.com	smtp.office365.com	TLS	587

Directory Service

Select the [Interactive] > [Directory] setting to specify the email address using the directory service.
These types of directory servers are supported.

Item	Details
Server Type	Active Directory
OS	Windows Server 2012R2 Windows Server 2016
Port	Default: 389
Authentication Method	Anonymous (no authentication) Simple Digest-MD5
Encrypt	Encrypted in SASL when Digest-MD5 is set (SSL/TLS are not supported)
Maximum search number	200

Input and Output Specifications

Supported PC Free File Types

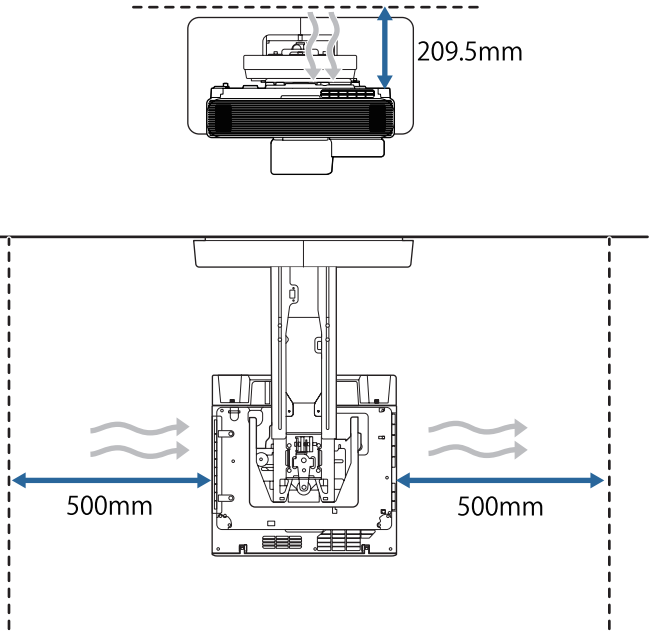
You can project these types of files using the projector's PC Free feature.

File type		Details
Image	JPEG	• RGB color • Baseline format • Resolution 8192×8192 or less • High compression rate file is not supported
	BMP	Resolutions no higher than 1280×800
	GIF	• Resolutions no higher than 1280×800 • Interlace format and animation file are not supported
	PNG	• Resolution 1920×1080 or less • Interlace format is not suported
Movie	AVI (Motion JPEG)	• AVI1.0 only • Audio codec: PCM and ADPCM only • Resolution 1280×720 or less • Size 2 GB or less

Installation Position and Environment

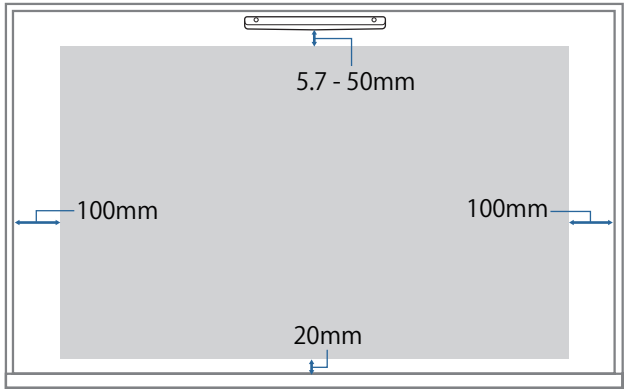
Installation Position

- When installing the projector, make sure there is a gap between the wall and the projector's air exhaust and intake vents as shown in the following image.

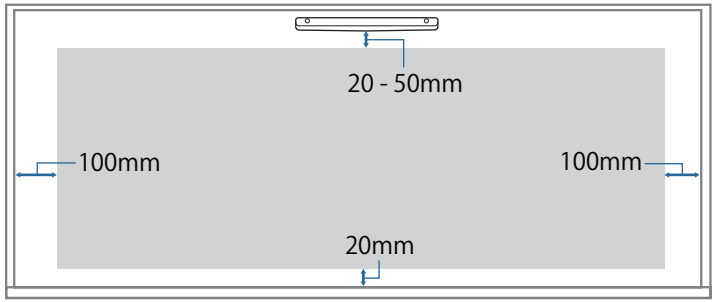


- Install the projector so that it is tilted at an angle of no more than +3 degrees or -3 degrees vertically and horizontally in relation to the screen.

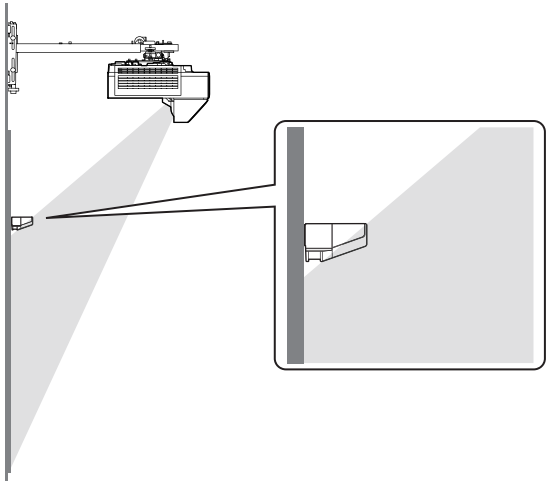
- When using the Touch Unit, install the projector so that there is a gap between the projected image and the edges of the screen as shown in the following image.
  - Aspect ratio 16:9 or 16:10



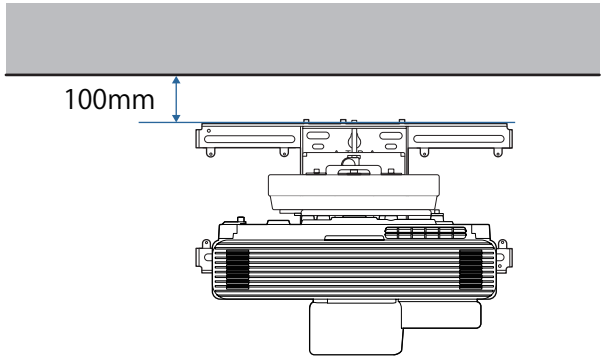
  - Aspect ratio 16:6 (EB-1485Fi only) or 21:9



When you select the aspect above and move the [Screen Position] downwards, the shade of the touch unit may appear on the projected image.



- Leaving a gap of approximately 100 mm from the ceiling to the top of the wall plate makes it easier to install and remove the projector.



Installation Environment

When powerful light of over 800 lux shines on the projection surface or around the projection surface (10 cm to the left or right, 10 cm from the bottom, or 3 cm from the top), the interactive function may not operate correctly. Close curtains to shut out direct sunlight, and turn off fluorescent lights. Or install the projector in a location that is not subject to direct sunlight or fluorescent lights.

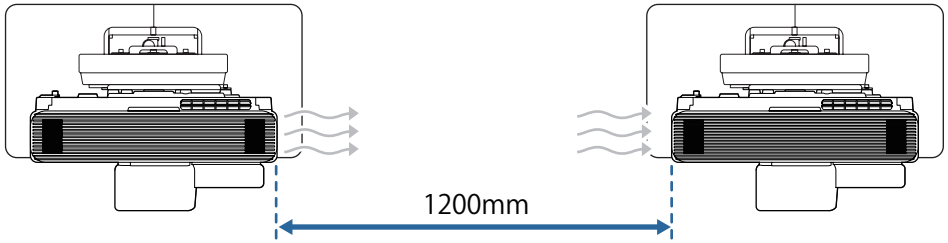
Projection Surface

For ultra-short focus projectors, if the projection surface is uneven, the image may appear warped. We recommend using screens that can easily be kept smooth such as a magnetic screen or a board screen.

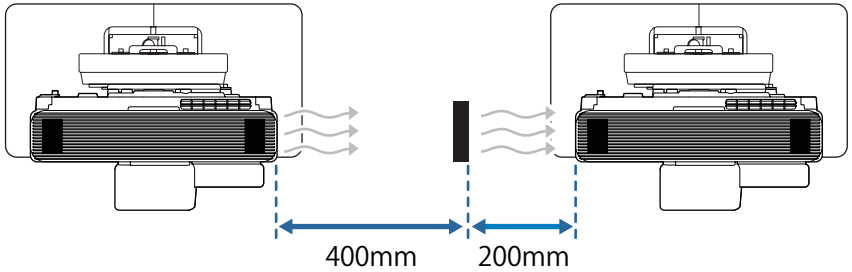
When Installing Multiple Projectors

- When installing two or more projectors in parallel, see "Internal Specifications" p. 5 for details on the operating temperature.
  If the environment is too hot, the projector may overheat and the power may turn off without warning.

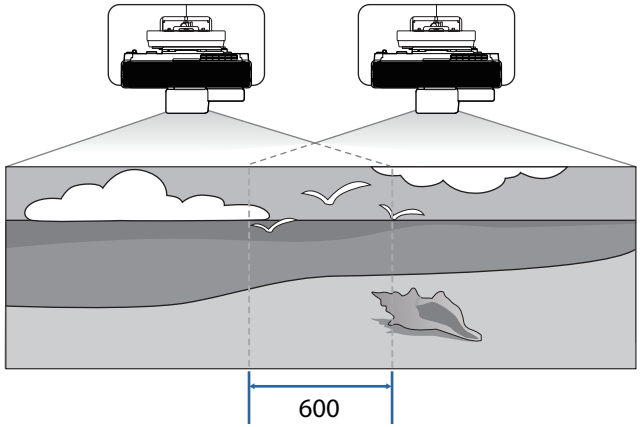
- When installing two or more projectors in parallel, leave a gap of at least 1,200 mm between the projectors.



- If you cannot secure a gap of approx. 1,200 mm, install a partition to block the heat vented from the projector's air exhaust vent. The partitions should be larger than the exhaust vent (approx. 20 mm in all directions), and installed approximately 400 mm from the exhaust vent and 200 mm from the intake vents.



- When projecting a screen with multiple projectors, use the Edge Blending function to create a seamless image. When projecting a screen with an aspect ratio of 3:1, set the Blend Range for Edge Blending to 600.



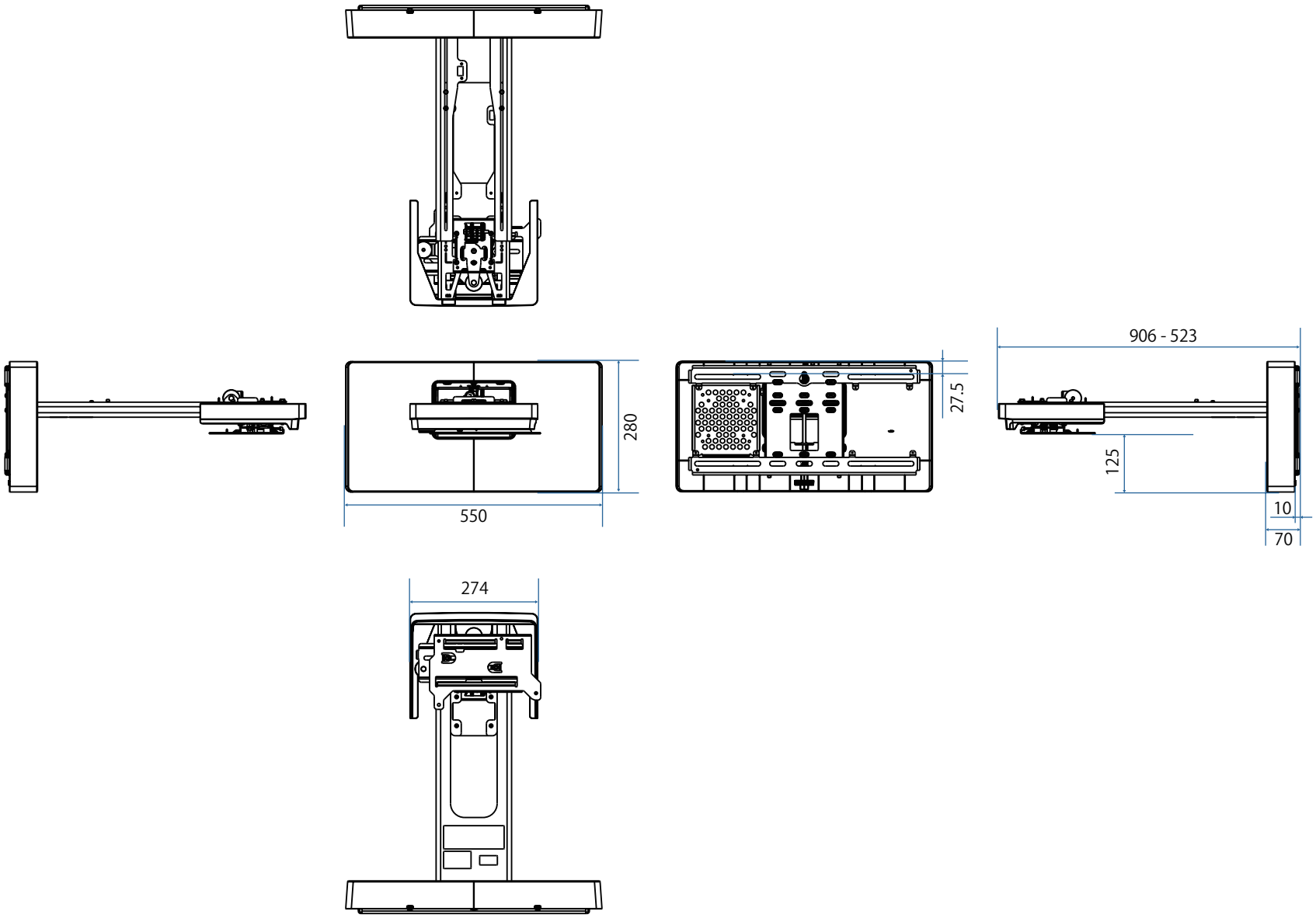
■ Wall Mount Specifications

Wall Mount (ELPMB62)

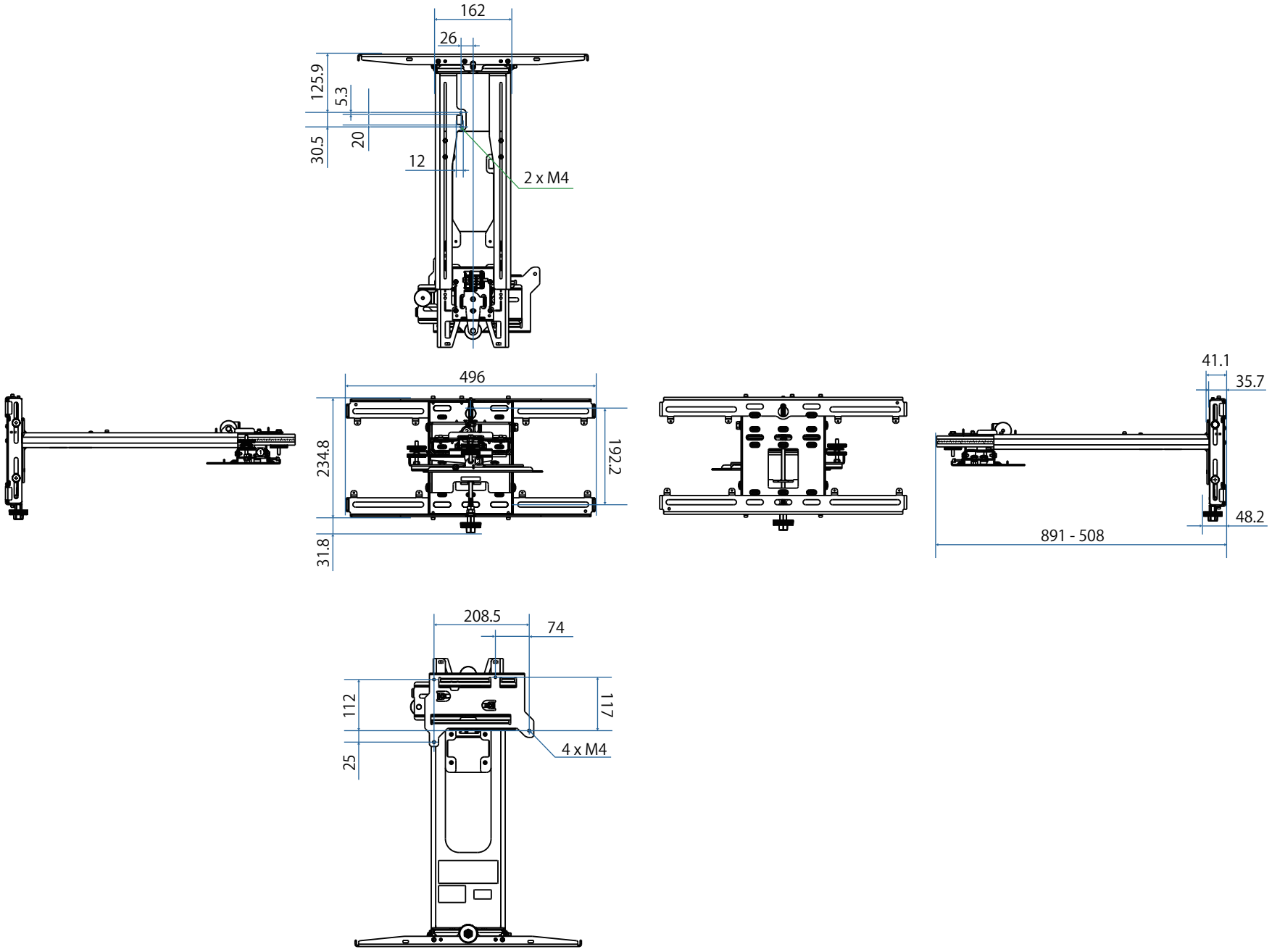
Item		Specifications
Dimensions		W550×D906×H280 mm
Supported screen size	16:9	65" to 100"
	16:10	61" to 90"
	4:3	65" to 80"
	16:6	65" to 120"
	21:9	65" to 120"
Weight (setting plate, hexagonal axis, adjustment unit, wall plate, wall plate cover, end cap)		Approx. 9.2 kg
Maximum load capacity		Approx. 15.0 kg
Mini PC installation plate	Screw holes for installing PC (VESA compliant)	75mm×75mm 100mm×100mm
	Supported PC sizes	Within 150×150×44mm
	Supported PC weight	0.7kg or less

External Dimensions

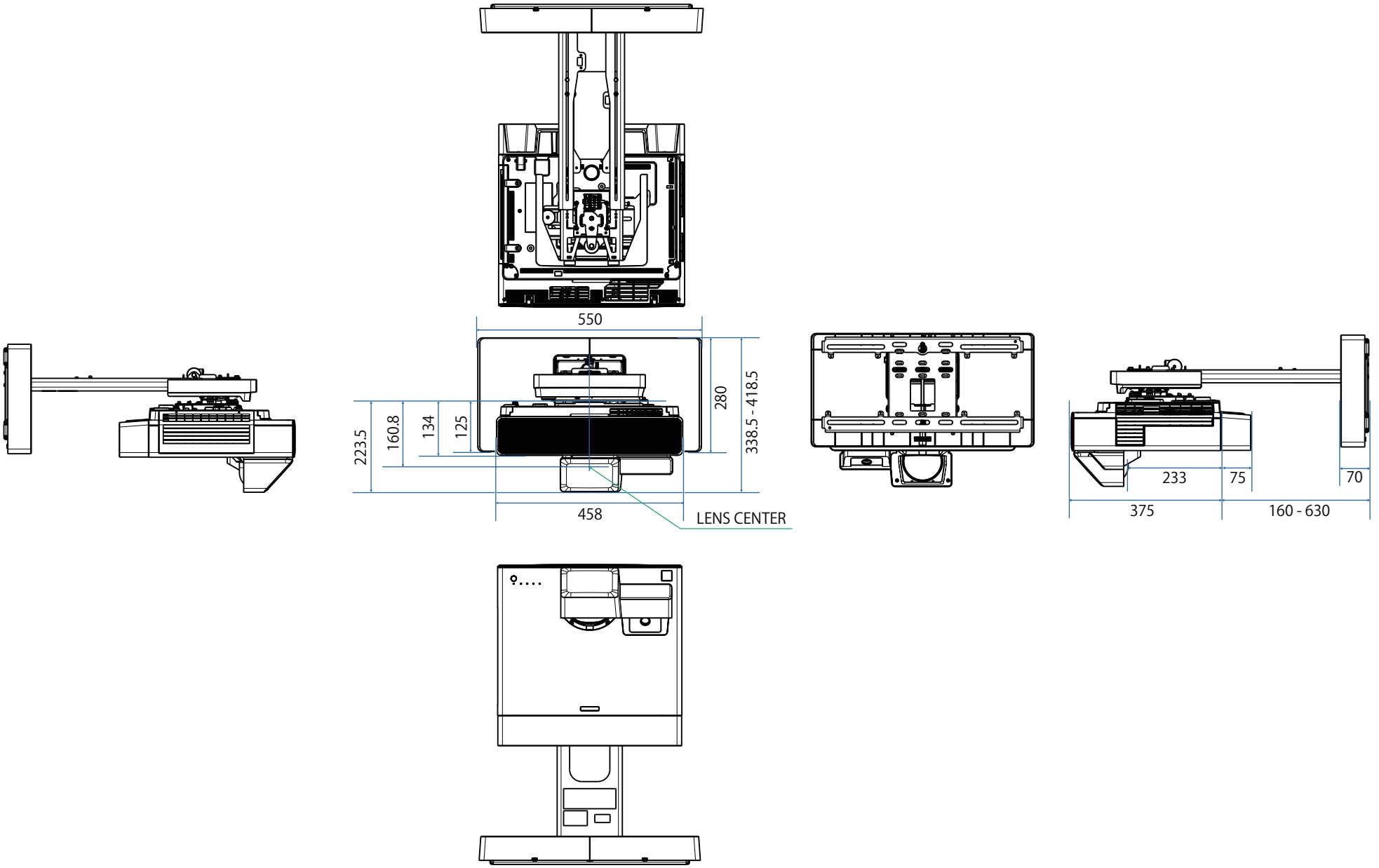
With cover



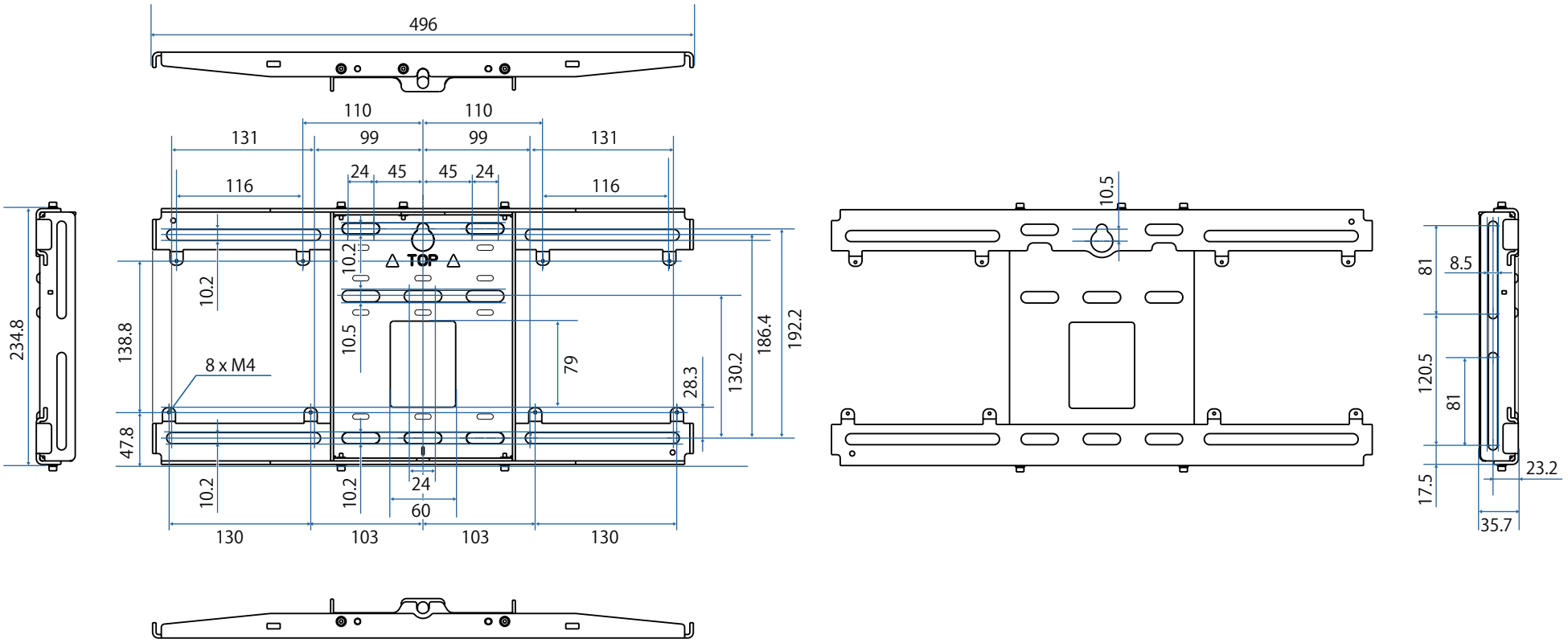
Without cover



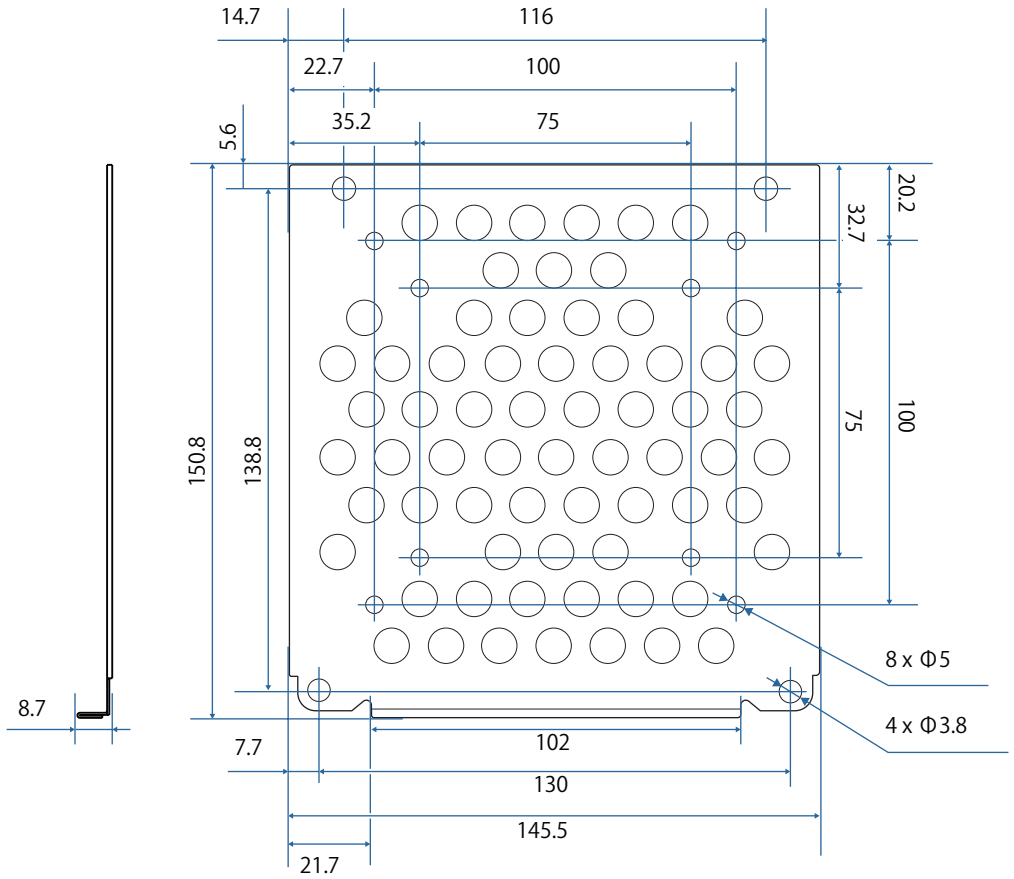
EB-1485Fi + ELPMB62 Dimensions



Wall plate

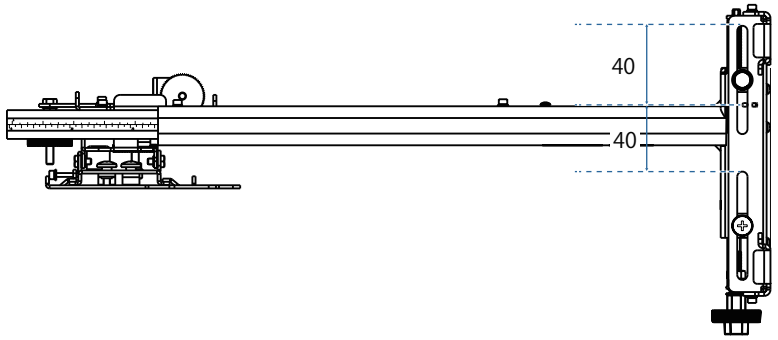

496
110
110
131
99
99
131
24
45
45
24
116
116
TOP
10.2
10.2
10.5
138.8
8 x M4
79
28.3
130.2
186.4
192.2
47.8
10.2
10.2
24
60
130
103
103
130
234.8
10.5
81
8.5
120.5
81
23.2
17.5
35.7

Mini PC installation plate

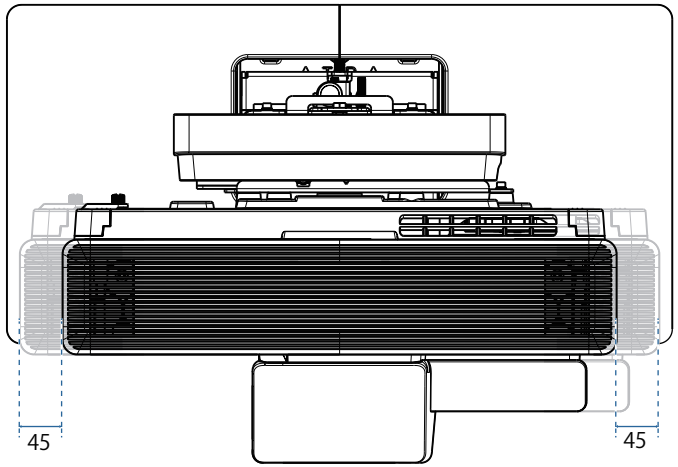


Adjustment Range

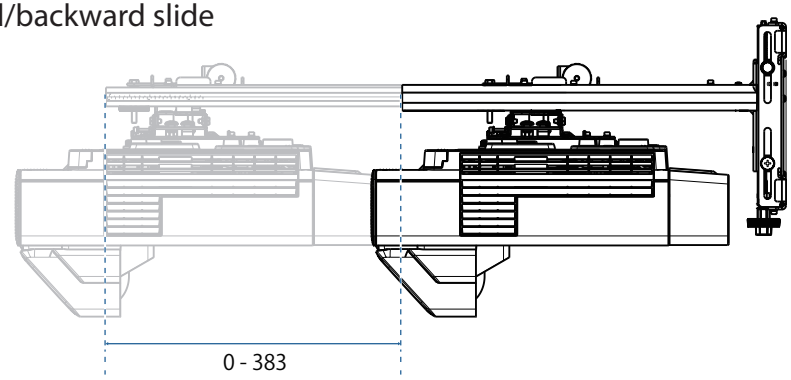
Vertical slide



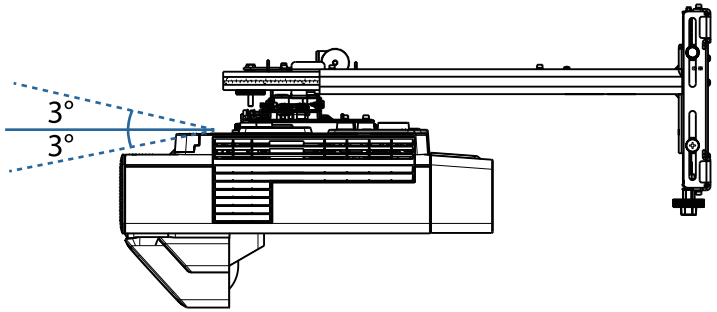
Horizontal slide



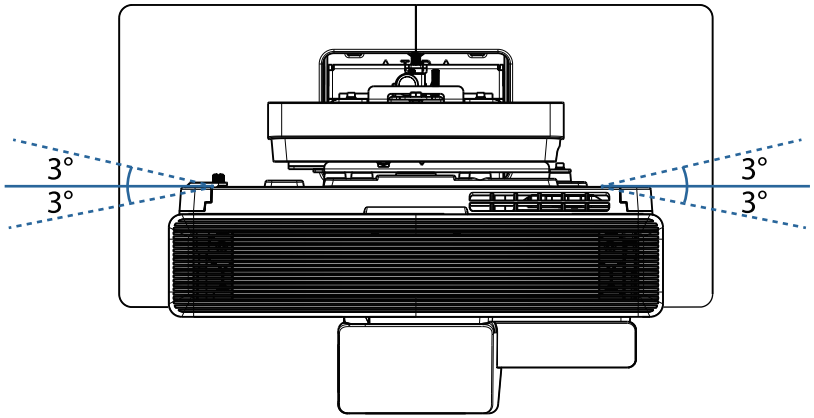
Forward/backward slide



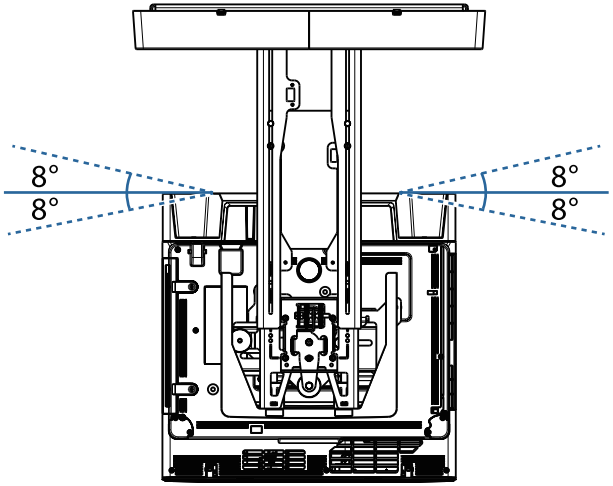
Vertical tilt



Horizontal roll



Horizontal rotation



Wall Mount (included with EB-1480Fi)

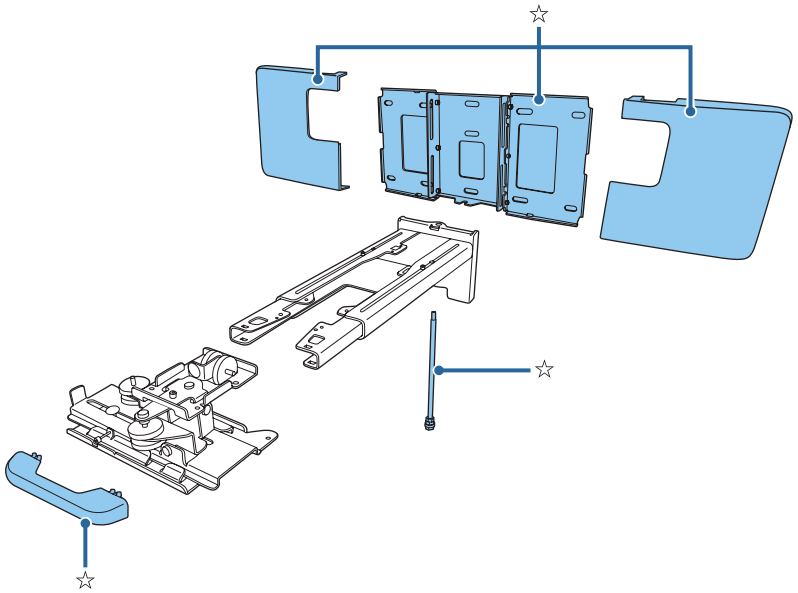
If a wall mount has not been supplied with the projector, purchase the optional mount (ELPMB62).

Item		Specifications
Dimensions		W282.6×D703×H144.5 mm
Supported screen size	16:9	68" to 100"
	16:10	63" to 90"
	4:3	56" to 80"
	21:9	65" to 106"
Weight (setting plate, hexagonal axis*, adjustment unit, wall plate*, wall plate cover*, end cap*)		Approx. 8.8 kg (With setting plate and adjustment unit only: Approx. 5.4 kg)
Maximum load capacity		Approx. 15.0 kg

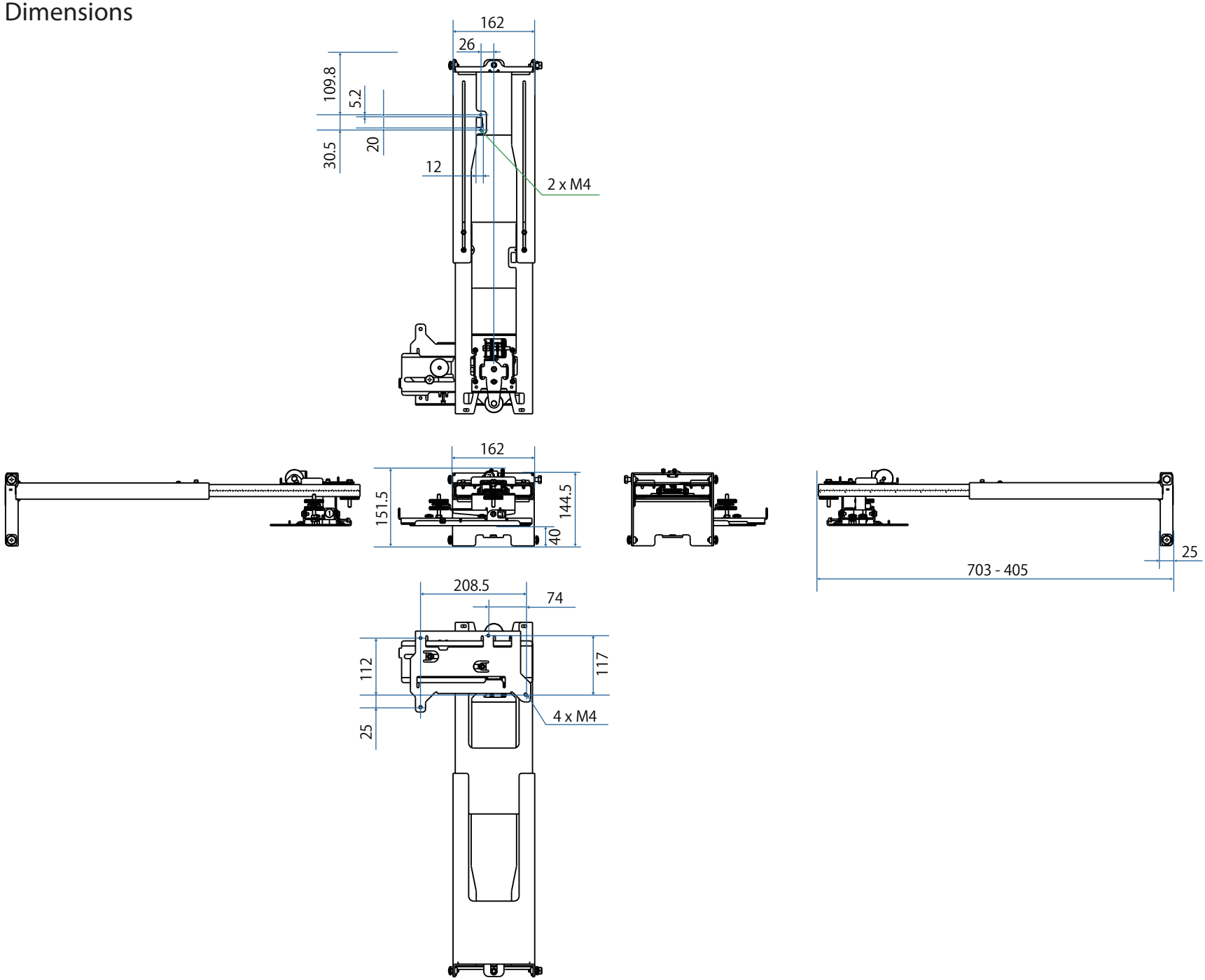
* Reusing the parts supplied with your old projector.

Necessary Parts

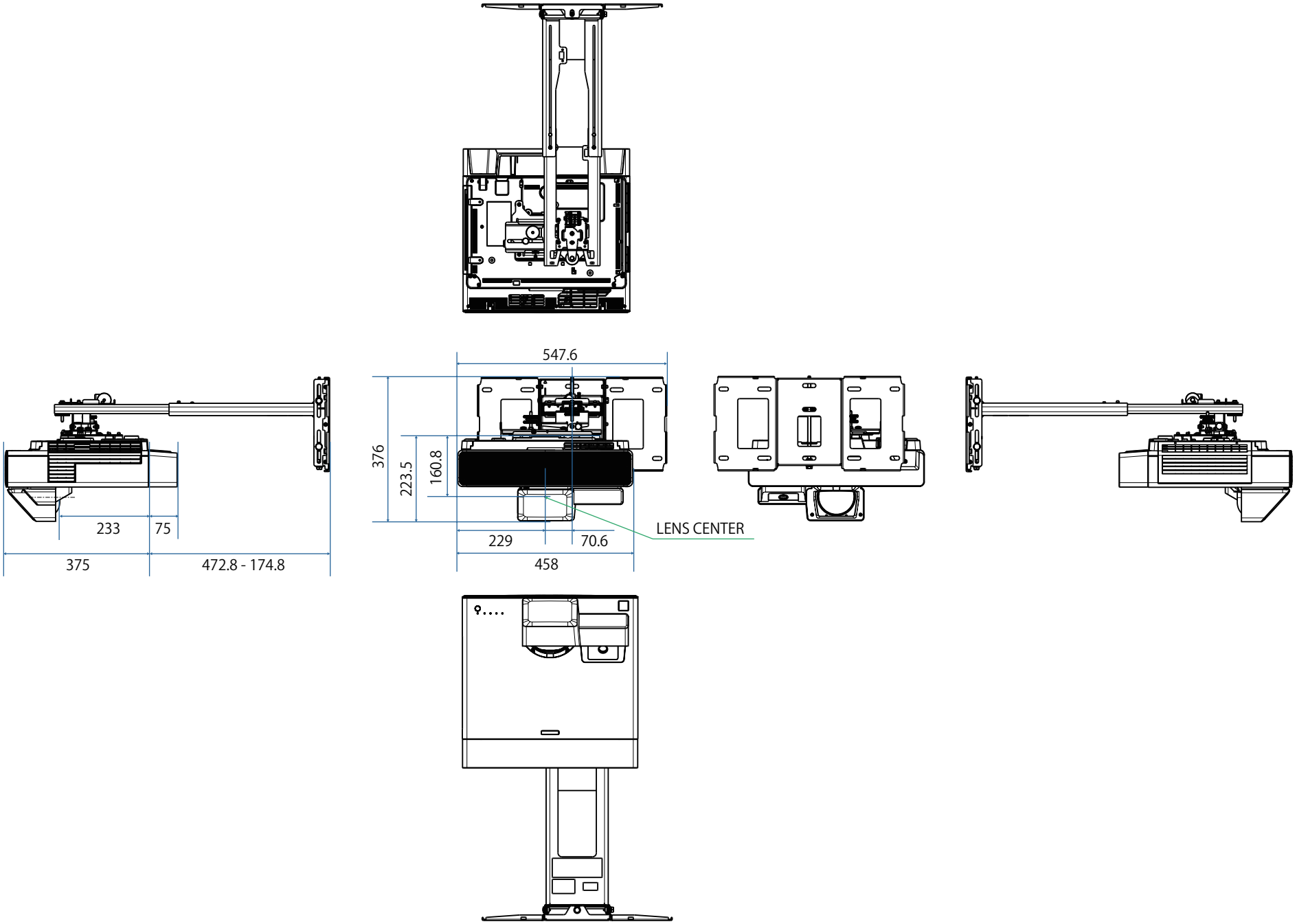
For parts indicated as ☆, you need to reuse them from the old projector. Keep these parts after removing. You do not need to remove the wall plate to install the new parts.



Dimensions

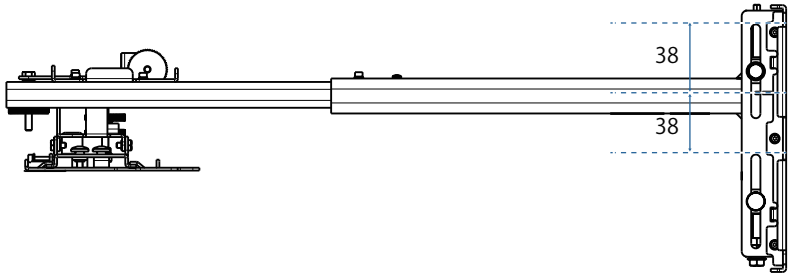

162
26
109.8
5.2
20
30.5
12
2 x M4
162
151.5
144.5
40
703 - 405
25
208.5
74
112
117
25
4 x M4

EB-1480Fi + Wall mount Dimensions

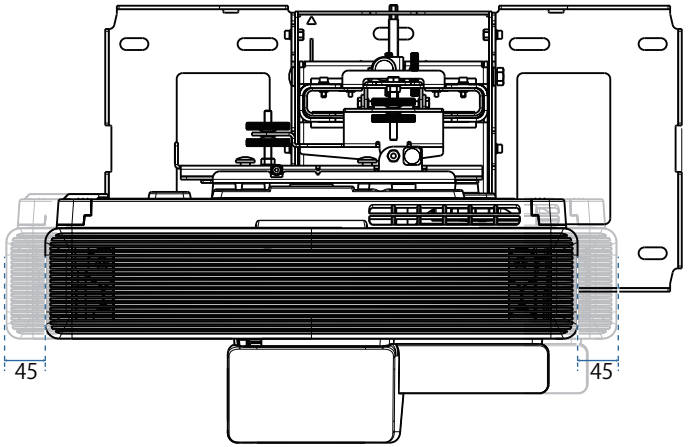


Adjustment Range

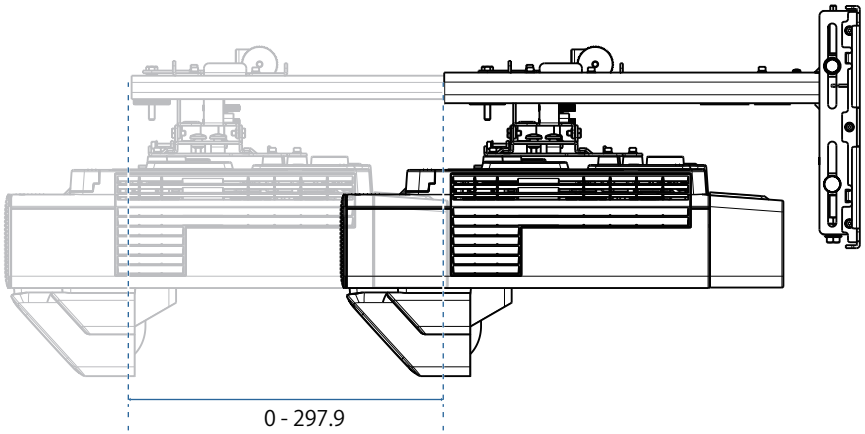
Vertical slide



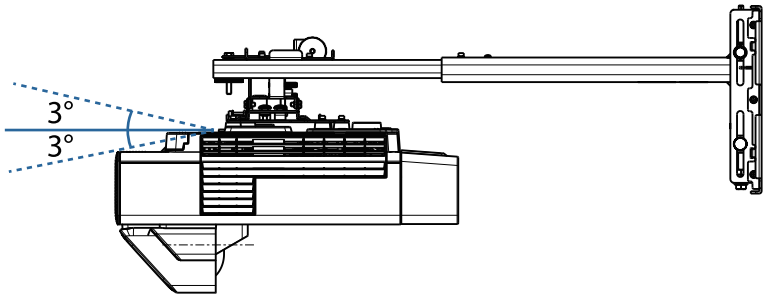
Horizontal slide



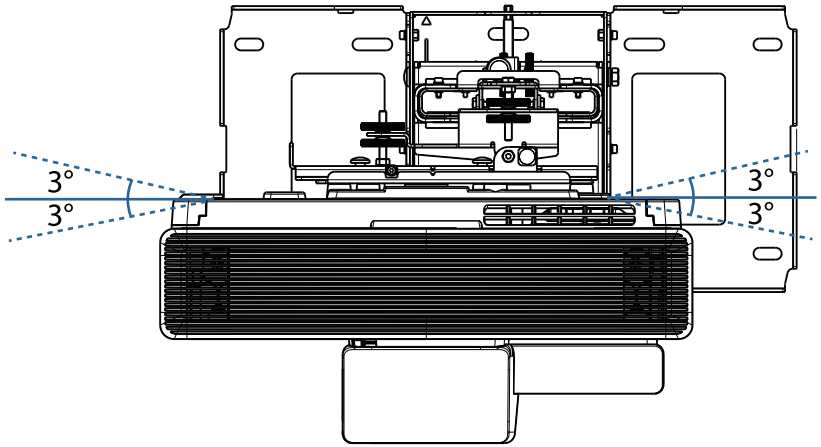
Forward/backward slide



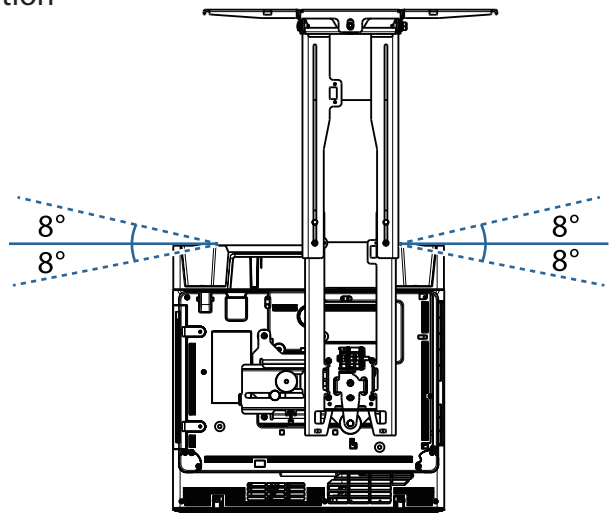
Vertical tilt



Horizontal tilt



Horizontal rotation

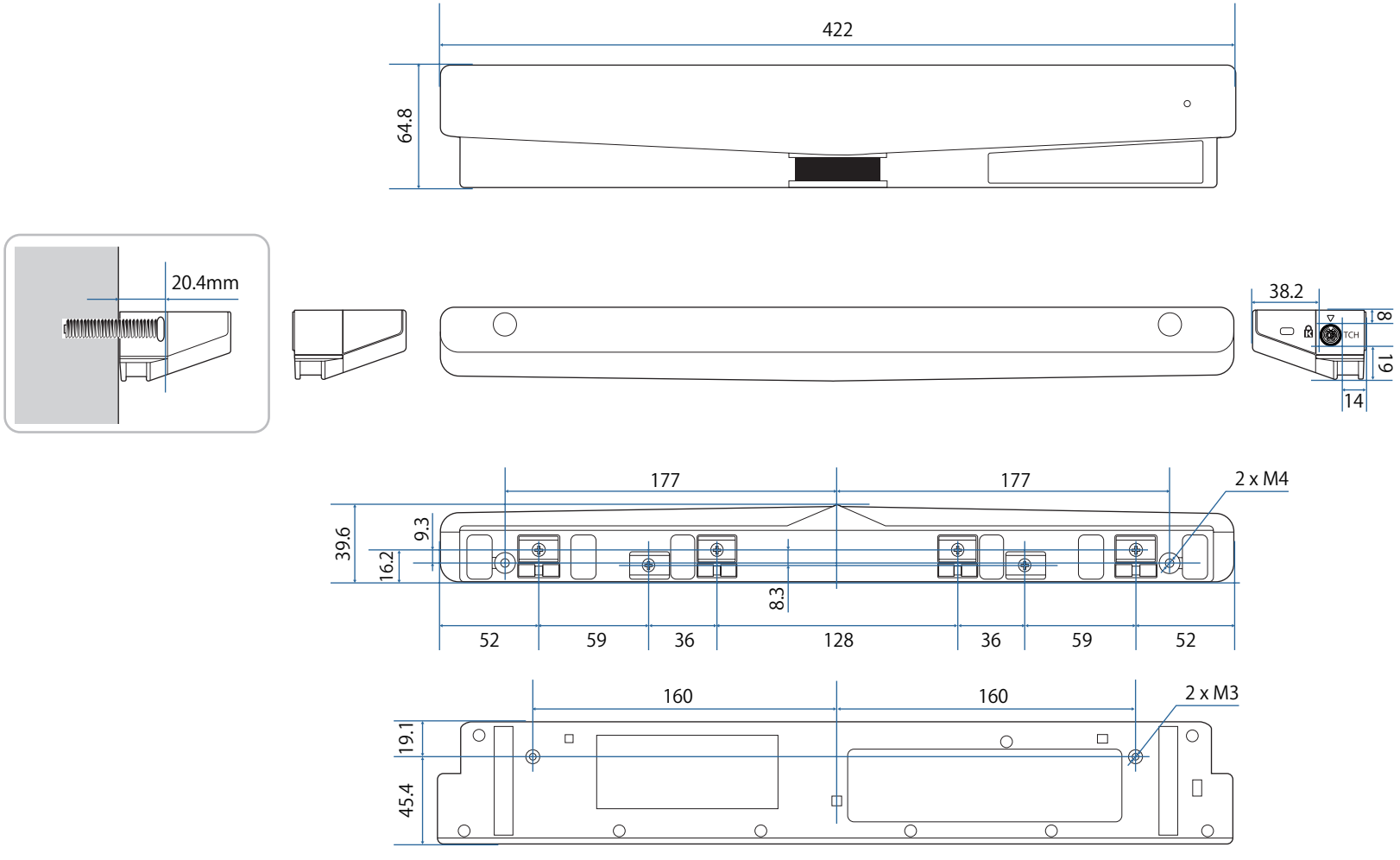


Peripheral Equipment

Touch Unit (ELPFT01)

Item		Specifications
Dimensions (maximum)		W422×H40×D65 mm
Supported screen size	16:9, 16:10, 21:9	65" to 100"
	16:6	65" to 120"
Laser	Class	Class 1
	Light source output	Max. 285 W
	Wavelength	932 - 952 nm
Installation method		Magnet
		Screw (M4×2)
Laser angle adjustment method		Auto
Weight		Approx. 0.6 kg
Operating temperture		0 - 40°C (altitude 0 - 1500m)
Power (supplied from the projector)		5 VDC 0.65 A
Power port		mini DIN

Dimensions

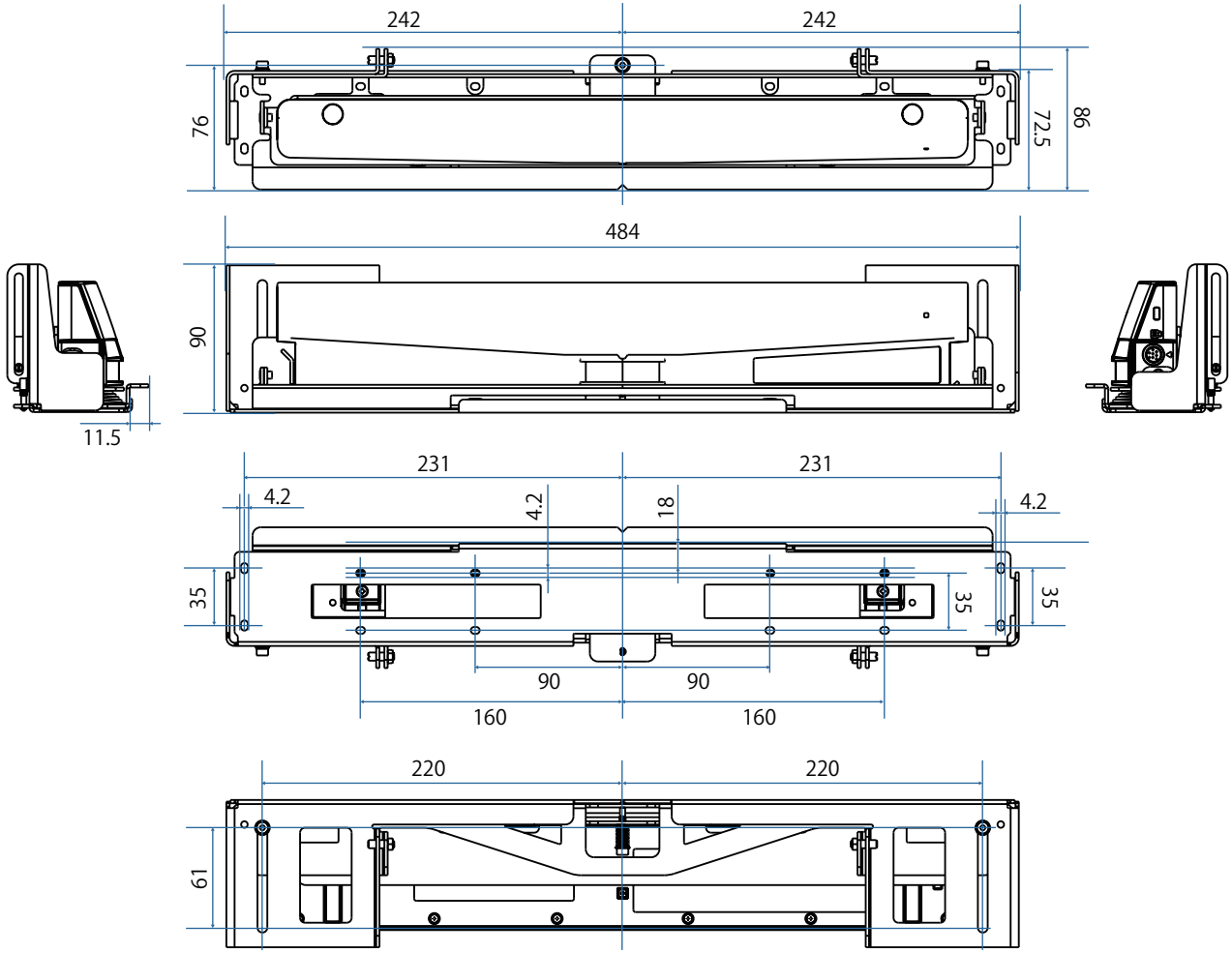

422
64.8
20.4mm
38.2
8
19
14
177
177
2 x M4
39.6
9.3
16.2
8.3
52
59
36
128
36
59
52
160
160
2 x M3
19.1
45.4

Touch Unit Bracket (ELPMB63)

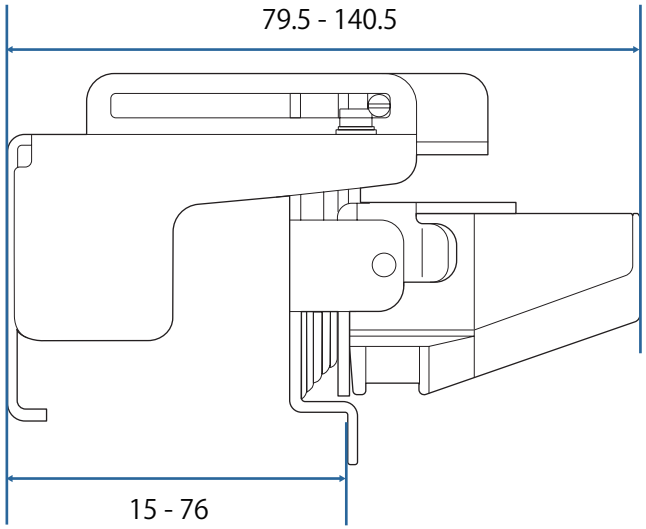
Item	Specifications
Dimensions	W484×D86×H90 mm
Weight	Approx. 1.8 kg
Maximum load capacity	Approx. 8.8 kg

Dimensions

ELPFT01 + ELPMB63 Dimensions



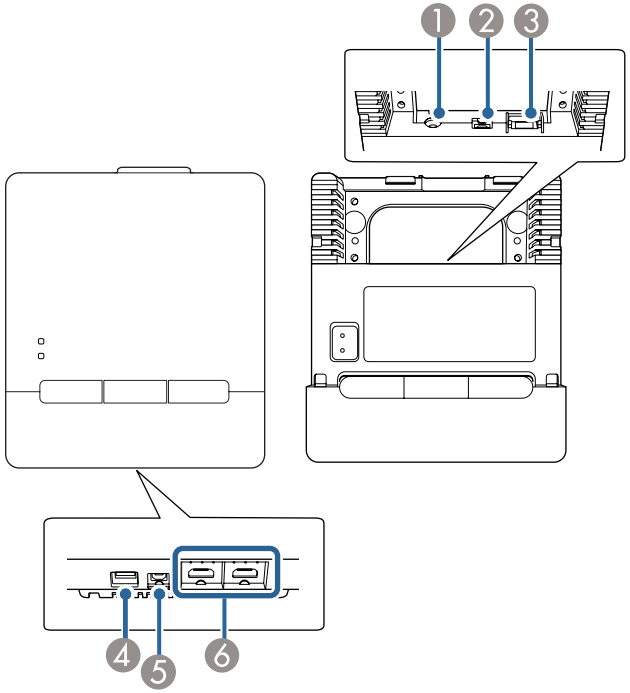
Adjustment Range



Control Pad (ELPHD02)

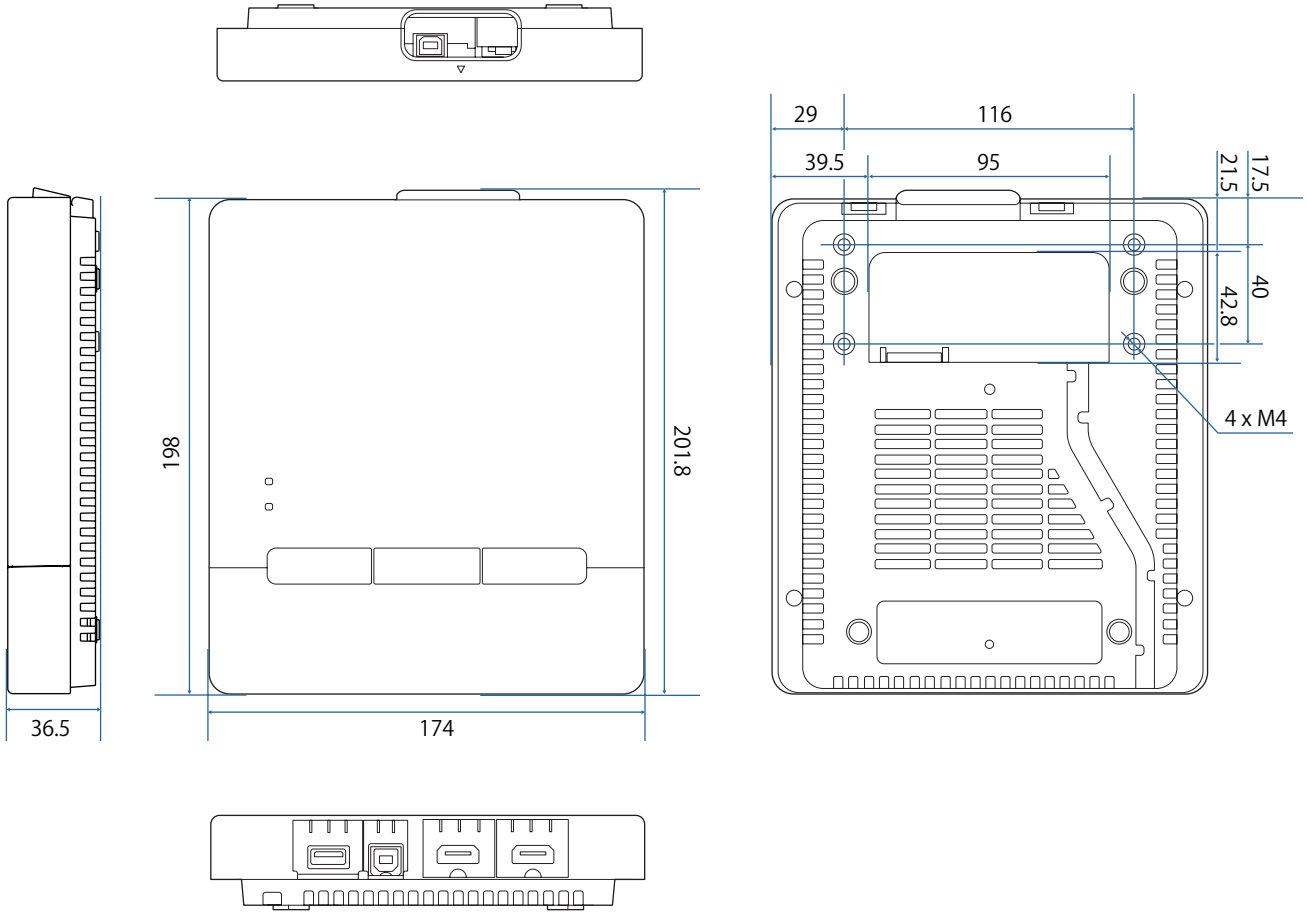
Item		Specifications
Dimensions		W174×H36.5×D201.8 mm
Weight		Approx. 0.6 kg
Power (AC adapter)		100 - 240V AC +/- 10%, 50/60 Hz
Power		12 VDC 2.5 A 30 W
Electricity consumption during use		4.5 W
Operation temperature		0 - 40°C
Operation altitudes		0 - 3048 m
Scanning frequency (HDMI)	Pixcel clock	13.5 MHz - 297 MHz
	Horizontal	15 kHz - 135 kHz
	Vertical	23.98/24/25/29.97/30/50/59.94/60 Hz

Interface



No	Name
1	Power inlet
2	USB-B port (USB Type-B)
3	HDBaseT port (RJ-45)
4	USB-A port (USB Type-A)
5	USB-B port (USB Type-B)
6	HDMI1/HDMI2 port (HDMI)

Dimensions

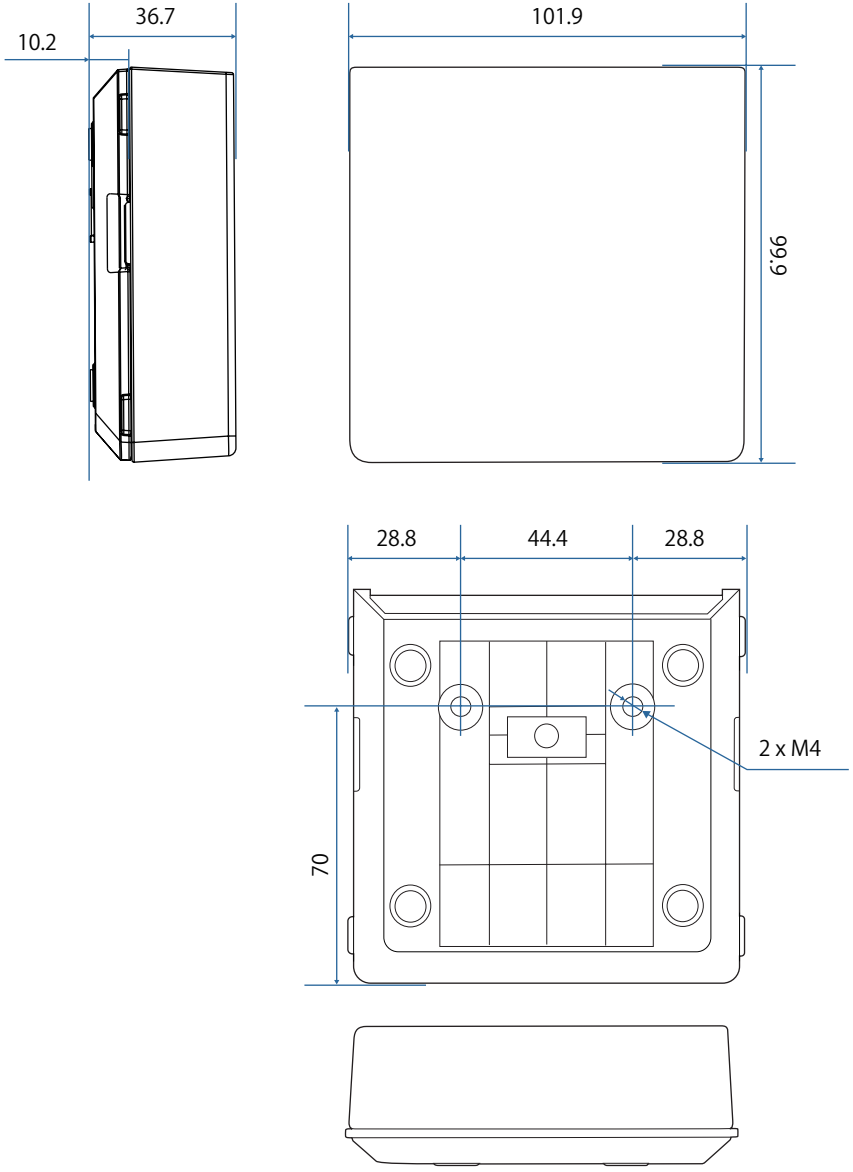


Pen Stand

The pen stand may not be included depending on the area of purchase.

Item	Specifications
Weight	Approx. 93 g

Dimensions



■ Monitoring and Control

You can check the status of networked projectors and perform various projector operations using these methods.

Method	Details
ESC/VP21 command	When the projector is connected to a computer with an RS-232C cable, you can control the projector with communication 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.
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/english/
Epson Projector Management	Allows you to control multiple Epson projectors on a network. You can download Epson Projector Management from the following Web site. epson.sn/
Crestron Connected	If you are using the 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/products/line/crestron-connected

Projector Control Commands

ESC/VP21 Command List

Item	Function	Command	Setting Value/Response Value
Power on/off *1	Power on	PWR ON	—
	Power off	PWR OFF	—
	Get status	PWR?	—
		Return code	00: Standby 01: Normal operation 02: Warming up 03: Cooling down 04: Monitoring/Communication standby 05: Error standby 09: A/V standby
Operation	Key operation	KEY xx	Control panel 01: Power 03: Menu 04: Home 05: Esc 16: Enter 35: Up 36: Down 37: Left 38: Right 48: Source Search Remote control 3B: Power A1: Power on 6C: Power off 3C: Menu 30: Home 3D: Esc 49: Enter 58: Up 59: Down 5A: Left 5B: Right 4A: Auto 43: Computer 67: Source Search 4D: HDMI 8A: LAN 85: USB 47: Freeze 28: E-Zoom + 29: E-Zoom - 3E: A/V Mute 3F: Color Mode 20: Aspect 56: Volume + 57: Volume - 84: User 88: Default 8F: ID A0: Split
Adjusting projected image	V-Keystone setting/Get value	VKEYSTONE xxx	—
		VKEYSTONE?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	H-Keystone setting/Get value	HKEYSTONE xxx	—
		HKEYSTONE?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)

Item	Function	Command	Setting Value/Response Value
Adjusting projected image	Quick Corner direction setting/Get value (based on projection area)	QCS x1 x2 x3 x4 x5 x6 x7 x8	—
		Parameter	x1-x8: 0-9999 Specify in the order of upper left (x,y), upper right (x,y), bottom right (x,y), bottom left (x,y)
		QCS?	—
		Return code	0-9999 Position (x,y) for four points separated by line breaks
	Quick Corner vector setting	QCV x1 x2 x3 x4 x5 x6 x7 x8	—
		Parameter	x1-x8: 0-99 Specify in the order of upper left (x,y), upper right (x,y), bottom right (x,y), bottom left (x,y)
	Quick Corner direction movement	QCMV control direction movement	—
		Parameter	control: Control location 01: Upper left control 02: Upper right control 03: Bottom right control 04: Bottom left control INIT (settings only) direction: Direction 01: Up direction 02: Down direction 03: Left direction 04: Right direction movement: Amount of movement INC only (settings only)
	Correction method setting/Get value	CORRECTMET x1	—
		CORRECTMET?	—
		Return code	01: H/V-Keystone 02: Quick Corner 03: Point Correction 06: Arc Correction

Item	Function	Command	Setting Value/Response Value
Adjusting projected image	Geometry correction memory load	POPGC x1	—
		Parameter	01: Memory1 02: Memory2 03: Memory3
	Geometry correction memory save	PUSHGC x1	—
		Parameter	01: Memory1 02: Memory2 03: Memory3
	Geometry correction memory erase	ERASEGC x1	—
		Parameter	00: ALL (Reset memory) 01: Memory1 02: Memory2 03: Memory3
	Geometry correction memory rename/get value	NAMEGC x1 x2	—
		Parameter	x1 Memory No. 01: Memory1 02: Memory2 03: Memory3 x2 Custom name (ASCII code)
		NAMEGC? x1	—
		Parameter	Same as NAMEGC x1 parameter
		Return code	Same as NAMEGC x2 parameter

Item	Function	Command	Setting Value/Response Value
Adjusting projected image	Aspect setting/Get value	ASPECT xx	—
		ASPECT?	—
		Parameter/ Return code	(Screen Type = Except for <16:6>) 30: Auto 40: Full 50: Zoom 60: Native INIT (settings only)
			(Screen Type = <16:6>) 30: Auto 40: Full INIT (settings only)
			<Auto> only (get only) x1: Mode x2: Auto parameter (fixed at 30)
	Screen Type setting/Get value	SCFORMAT mode param	—
		SCFORMAT? mode	—
		Parameter/ Return code	01: Screen Type setting 01: 4:3 02: 16:9 03: 16:10 04: 16:6 (EB-1485Fi) 05: 21:9 02: Screen Position setting C19(-999) - 000 - 3E7(999) INIT(settings only)

Item	Function	Command	Setting Value/Response Value
Adjusting projected image	Brightness and light source setting/Get value	LUMINANCE xx	—
		LUMINANCE?	—
		Parameter/ Return code	00: Normal 01: Quiet 04: Extended 05: Custom INIT (settings only)
	Brightness level setting/Get value	LUMLEVEL level	—
		LUMLEVEL?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Maintain brightness setting/Get value	LUMCONST x1 [x2]	—
		LUMCONST?	—
		Parameter/ Return code	x1: Maintain Brightness 00: Off 01: On INIT（settings only） x2: Brightness Level 0-255

Item	Function	Command	Setting Value/Response Value
Adjusting projected image	Image shift setting/Get value	IMGSHIFT x y	—
		IMGSHIFT?	—
		Parameter/ Return code	x: Shift position for X direction -2～2 y: Shift position for Y direction -2～2
	Zoom setting/Get value	ZOOM xxx	—
		ZOOM?	—
		Parameter/ Return code	Digital tele/wide 0-255 INIT/INC/DEC (settings only)
	Over scan setting/Get value	OVSCAN xx	—
		OVSCAN?	—
		Parameter/ Return code	00: Off 02: 4% 04: 8% A0: Auto INIT (settings only)

Item	Function	Command	Setting Value/Response Value
Source change /Signal setting	Source change/get	SOURCE xx	—
		SOURCE?	—
		Parameter/ Return code	10: Computer1 20: Computer2 30: HDMI1 41: Video 51: USB Display 52: USB1 53: LAN 54: USB2 56: Screen Mirroring1 80: HDBaseT A0: HDMI2 C0: HDMI3 F0: Cycle through all sources F1: Switch to Computer1, Computer2, USB Display, USB1, USB2, LAN, Screen Mirroring F2: Switch to HDMI1, HDMI2, HDMI3, HDBaseT (EB-1485Fi) , Video

Item	Function	Command	Setting Value/Response Value
Source change /Signal setting	Resolution setting/Get value	RESOL x1	—
		RESOL?	—
		Parameter/ Return code	00: Auto F0: Wide F1: Normal INIT (settings only)
	Auto source search	AUTOSEARCH x1	—
		AUTOSEARCH?	—
		Parameter/ Return code	00: Off 01: On
Adjusting image quality	Brightness setting/Get value	BRIGHT xxx	—
		BRIGHT?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Contrast setting/Get value	CONTRAST xxx	—
		CONTRAST?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Color saturation setting/Get value	DENSITY xxx	—
		DENSITY?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Color tint setting/Get value	TINT xxx	—
		TINT?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Sharpness setting/Get value	SHARP x1	—
		Parameter	x1: Adjustment value 0-255 INC/DEC/INIT
		SHARP?	—
		Return code	0-255
	Color temperature setting/Get value	CTEMP xxx	—
		CTEMP?	—
		Parameter/ Return code	Color Temp. 0-255 INIT/INC/DEC (settings only)
	Skin color (G-M correction) setting/Get value	FCOLOR xxx	—
		FCOLOR?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Color mode setting/Get value	CMODE xx	—
		CMODE?	—
		Parameter/ Return code	01: sRGB 04: Presentation 06: Dynamic 0F: DICOM SIM 11: Blackboard 15: Cinema 1A: Multi-Projection (EB-1485Fi) INIT (settings only)

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Horizontal display position setting/Get value	HPOS xxx	—
		HPOS?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Vertical display position setting/Get value	VPOS xxx	—
		VPOS?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Tracking setting/Get value	TRACKING xxx	—
		TRACKING?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Sync. setting/Get value	SYNC xxx	—
		SYNC?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Noise reduction setting/Get value	NRS xx	—
		Parameter	0-255 INIT/INC/DEC
		NRS?	—
		Return code	0-255
	MPEG noise reduction	MPEGNRS x1	—
		MPEGNRS?	—
		Parameter/ Return code	00: Off 01: Low 02: Normal 03: High

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Red offset setting/Get value Green offset setting/Get value Blue offset setting/Get value	OFFSETR xxx	—
		OFFSETR?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
		OFFSETG xxx	—
		OFFSETG?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
		OFFSETB xxx	—
		OFFSETB?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Red gain setting/Get value Green gain setting/Get value Blue gain setting/Get value	GAINR xxx	—
		GAINR?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
		GAING xxx	—
		GAING?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
		GAINB xxx	—
		GAINB?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Gamma setting/Get value	GAMMA xx	—
		GAMMA?	—
		Parameter/ Return code	20: Set 2 21: Set 1 22: Set 0 23: Set -1 24: Set -2 F0: Custom INIT (settings only)
	Gamma level setting/Get value	GAMMALV x1 x2	—
		Parameter	x1: Tone 00-08: Tone 1 - Tone 9 x2: Adjustment value 0-255 INC/DEC
		GAMMALV? xx	—
		Parameter	Same as GAMMALV command x1 parameter
		Return code	0-255

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Multi screen color matching setting/Get value	MULSCR x1 x2 x3	—
		Parameter	x1: Adjustment type 01: Display pattern 05: Color correction R 06: Color correction G 07: Color correction B 08: Color correction (RGB) INIT
			x2: Level 00: Off (x1=01 only) 01 - 08: Level 1 - Level8
			x3: Adjustment value (Except for x1=01) 0-255 INIT/INC/DEC [x3]: type (Except for x1=01 & x2=00) 00: Tone pattern 01: Blend pattern
		MULSCR? xx	—
		Parameter	x1: Adjustment type 01: Display pattern 05: Color correction R 06: Color correction G 07: Color correction B
		Return code	Adjustment value of each level or level value for selected adjustment type. Level: 00-08 Adjustment value: 000-255

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Load memory	POPMEM x1 x2	—
		Parameter	x1 Memory type 02: Advanced x2 Memory No. 01: Memory1 (No.1) : 0A: Memory10 (No.10)
	Save memory	PUSHMEM x1 x2	—
		Parameter	x1 Memory type 02: Advanced x2 Memory No. 01: Memory1 (No.1) : 0A: Memory10 (No.10)
	Erase memory	ERASEMEM x1 x2	—
		Parameter	x1 Memory type 00: ALL 02: Advanced x2 Memory No. 01: Memory1 (No.1) : 0A: Memory10 (No.10)
	Get color adjustment method setting	CSEL?	—
		Return code	07: RGB/RGBCMY

Item	Function	Command	Setting Value/Response Value
Adjusting image quality	Super-resolution: fine line adjust setting/Get value	SHRF x1	—
		SHRF?	—
		Parameter/ Return code	0-255 INC/DEC/INIT
	Super-resolution: soft focus detail setting/Get value	SHRS x1	—
		SHRS?	—
		Parameter/ Return code	0-255 INC/DEC/INIT
	Detail enhancement: range setting/Get value	DERANGE x1	—
		Parameter	0-255 INC/DEC/INIT
		DERANGE?	—
		Return code	0-255
	Detail enhancement: strength setting/Get value	DESTRENGTH x1	—
		Parameter	0-255 INC/DEC/INIT
		DESTRENGTH?	—
		Return code	0-255

Item	Function	Command	Setting Value/Response Value
Audio	Volume setting/Get value	VOL xxx	—
		VOL?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	Audio output signal setting/Get value	AUDIO mode [source]	—
		Parameter/ Return code	Audio Output setting (when [source] is not specified) mode: Switching setting 00: Auto 01: Audio1 02: Audio2 03: Audio3 INIT (settings only)
			HDMI Audio Output setting mode: Switching setting 00: Default (HDMI) 01: Audio1 02: Audio2 03: Audio3 INIT (settings only) source: Target source 30: HDMI1 A0: HDMI2 C0: HDMI3
		AUDIO? [source]	—
		Parameter	Same as source parameter in AUDIO command
		Return code	Same as mode parameter in AUDIO command

Item	Function	Command	Setting Value/Response Value
Audio	Mic input level setting/Get value	MICLEVEL xxx	—
		MICLEVEL?	—
		Parameter/ Return code	0-255 INIT/INC/DEC (settings only)
	A/V output setting/Get value	AVOUT x1	—
		AVOUT?	—
		Parameter/ Return code	00: While Projecting (NW Standby) 01: Always On (AV Standby) INIT (settings only)
	Inverse audio setting/Get value	AUDIOOUT mode	—
		AUDIOOUT?	—
		Parameter/ Return code	10: Off (Normal) 11: On (Inversion) INIT (settings only)
Additional features	A/V mute ON, OFF/Get status	MUTE x1	—
		MUTE?	—
		Parameter/ Return code	ON : A/V mute ON OFF: A/V mute OFF INIT (settings only)
	Freeze ON, OFF/Get status	FREEZE xxx	—
		FREEZE?	—
		Parameter/ Return code	ON : Freeze ON OFF: Freeze OFF INIT (settings only)
Configuration	Horizontal reverse setting/Get value	HREVERSE xxx	—
		HREVERSE?	—
		Parameter/ Return code	ON : Horizontal reverse OFF: Normal INIT (settings only)
	Upside down setting/Get value	VREVERSE xxx	—
		VREVERSE?	—
		Parameter/ Return code	ON : Upside down OFF: Normal INIT (settings only)

Item	Function	Command	Setting Value/Response Value
Configuration	Vertical installation setting/Get value	VPLACEMENT x1	—
		VPLACEMENT?	—
		Parameter/ Return code	00: Not vertical 01: Vertical
	Reset all	INITALL2 x1	—
		Parameter/ Return code	x1: Target for reset
	Communication speed setting/Get value※2	SPEED xx	—
		Parameter	00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps INIT
		SPEED?	—
		Return code	00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps
	Projector ID setting/Get value	PROJID xx	—
		PROJID?	—
		Parameter/ Return code	00: Off 01-09: ID1-ID9 INIT (settings only)
	Illumination/Indicator setting	ILLUM xx	—
		ILLUM?	—
		Parameter/ Return code	00: Off 01: On INIT (settings only)
	Invert arrows button setting/Get value	KREVERSE xx	—
		KREVERSE?	—
		Parameter/ Return code	10: Off (Reset button direction) 11: On (Invert button direction) INIT (settings only)

Item	Function	Command	Setting Value/Response Value
Configuration	Menu rotation setting	OSDROTATE x1	—
		OSDROTATE?	—
		Parameter/ Return code	00: Off 01: Right 90 Degree 02: Left 90 Degree
	Quick startup mode setting/Get	FASTBOOT x1	—
		FASTBOOT?	—
		Parameter/ Return code	00: Off 01: 20min. 02: 60min. 03: 90min.
	Refresh mode setting/Get value	REFRESHTIME x1	—
		REFRESHTIME?	—
		Parameter/ Return code	01: 1 Hour 0D: 13 Hours 02: 2 Hours 0E: 14 Hours 03: 3 Hours 0F: 15 Hours 04: 4 Hours 10: 16 Hours 05: 5 Hours 11: 17 Hours 06: 6 Hours 12: 18 Hours 07: 7 Hours 13: 19 Hours 08: 8 Hours 14: 20 Hours 09: 9 Hours 15: 21 Hours 0A: 10 Hours 16: 22 Hours 0B: 11 Hours 17: 23 Hours 0C: 12 Hours 18: 24 Hours
	Refresh mode start	REFRESH	—
	Refresh mode running message display setting/Get	REFRESHMSG	—
		REFRESHMSG?	—
		Parameter/ Return code	00: Messages off 01: Messages on
	Batch setup range setting/Get	BARANGE x1	—
		BARANGE?	—
		Parameter/ Return code	00: All 01: Limited

Item	Function	Command	Setting Value/Response Value
Configuration	Light source calibration start (run now)	LTCALB	—
	Auto light source calibration setting/Get (run periodically)	AUTOLTCALB x1	—
		AUTOLTCALB?	—
		Parameter/ Return code	00: Off 01: On (Run Periodically)
	Get last date and time of the light source calibration	LASTLTCALB?	—
		Return code	yyyyMMddHHmm (Year/Month/Day/Time) 2000 - 2099: yyyy 01 - 12: MM 01 - 31: dd 00 - 23: HH 00 - 59: mm

Item	Function	Command	Setting Value/Response Value
Configuration	HDMI OUT setting/Get setting value	HDMIOUT x1 x2	— (EB-1485Fi)
		HDMIOUT? x1	— (EB-1485Fi)
		Parameter/ Return code	x1 = Setting function 00: HDMI Out Setting 01: Number of Projectors 02: Order 03: Connect Computer
			x2 = Setting value HDMI Out Setting (x1=00) 00: Off 01: On (Pass Through) 02: On (Process Out)
			Number of Projectors (x1=01) 02: 2 03: 3 04: 4 * HDMI Out Setting = On (Pass Through)
			Order (x1=02) 01: 1 02: 2 03: 3 * 04: 4 * * HDMI Out Setting = On (Pass Through)
			Connect Computer (x1=03) 00: No 01: Yes * HDMI Out Setting = On (Pass Through)
Home Screen	Home screen auto display	AUTOHOME x1	—
		AUTOHOME?	—
		Parameter/ Return code	00: Off (No display) 01: On (Display auto)

Item	Function	Command	Setting Value/Response Value
Network	Get AMX DDDP BeaconMessage	AMX	—
		Return code	* Follow AMX specification. AMXB<-SDKClass=VideoProjector> <-GUID=EPSON_EMP001><-Revision=1.0.0>
	AMX DDDP IP BeaconMessage status setting/Get status	AMXDDDP xx	—
		AMXDDDP?	—
		Parameter/ Return code	00: Stop sending BeaconMessage 01: Start sending BeaconMessage INIT (settings only)
	Wireless LAN power※2	WLPWR x1	—
		WLPWR?	—
		Parameter/ Return code	00: Off 01: Wireless LAN On
Screen Mirroring	Screen Mirroring (power) setting/Get	WDPWR x1	—
		WDPWR?	—
		Parameter/ Return code	00: Off 01: On
	Performance tuning setting/Get value	WDPERF x1	—
		WDPERF?	—
		Parameter/ Return code	01: 1 (Fine) 02: 2 03: 3 04: 4 (Fast)
	Reflect Screen Mirroring setting	WDRESET	—
	Capture setting/Get value	WDCAPT x1	—
		WDCAPT?	—
		Parameter/ Return code	00: Off 01: On
	Information bar setting/Get value	WDINFOBAR x1	—
		WDINFOBAR?	—
		Parameter/ Return code	00: Off 01: On

Item	Function	Command	Setting Value/Response Value
Information	Get light source usage hour	LAMP?	—
		Return code	LAMP=x1 x1: Light Source Hours
	Get usage hours	ONTIME?	—
		Return code	ONTIME=x1 x1: Operation Hours
	Get signal status	SIGNAL?	—
		Return code	00: No signal 01: With signal FF: Unsupported signal
	Get input source information	SOURCELIST?	—
		Return code	10: Computer1 20: Computer2 30: HDMI1 41: Video 51: USB Display 52: USB1 53: LAN 54: USB2 56: Screen Mirroring1 80: HDBaseT A0: HDMI2 C0: HDMI3

Item	Function	Command	Setting Value/Response Value
Information	Get input source information (all source)	SOURCELISTA?	—
		Return code	10: Computer1 20: Computer2 30: HDMI1 41: Video 51: USB Display 52: USB1 53: LAN 54: USB2 56: Screen Mirroring1 80: HDBaseT A0: HDMI2 C0: HDMI3
	Log Save Destination	LOGTO	—
		LOGTO?	—
		Parameter/ Return code	00: Internal Memory 01: USB and Internal Memory
Interactive	Touch Unit Power	ITRLC x1	—
		ITRLC?	—
		Parameter/ Return code	00: Off 01: On

*1 Available even when the password protection is activated.
*2 Only available when you transmit commands using the RS-232C cable.

PJLink Command List

Command	Function	Setting Value/ Response Value	Content
POWR?	Power-off (Standby) Abnormal standby	POWR=0	PWR=00,04,05
	Power-on (Laser-on)	POWR=1	PWR=01
	Cooling status	POWR=2	PWR=03
	Warm up status	POWR=3	PWR=02
INPT INPT? INST?	RGB (Analog RGB signal)	11	Computer
		12	Computer2
	VIDEO (Video and Compornent video signal)	21	Video
	DIGITAL (Digital signal)	32	HDMI1
		33	HDMI2
		36	HDMI3
	STORAGE (Storage media signal)	41	USB1
		42	USB2
	NETWORK (Network communication)	52	LAN
		53	USB Display
		56	HDBaseT (EB-1485Fi)
		57	Screen Mirroring1

Command	Function	Setting Value/ Response Value	Content
ERST?	First character: Fan error	2: error	Fan error
	Second character: Laser error		Laser error Laser failure
	Third character: Temperture error		High temperture warning
			High temperture error
	Sixth character: Other errors		Other warnings
			Other errors
AVMT?	A/V mute	31	MUTE=ON
	Normal	30	MUTE=OFF
NAME?	Projector name query		Projector name
INF1?	Manufacture name information query		EPSON
INF2?	Product name information query		EB-1485Fi: EPSON 1485Fi/1485FT EB-1480Fi: EPSON 1480Fi
INFO?	Other information query		—
CLSS?	Class information query		2
LAMP?	[L1 light source usage time] [L1 light source query] (ESC/VP21 command: LAMP?,PWSTATUS?)		—

Class2 Command List

Command	Status	Setting Value/ Response Value	Content
SRCH ?	Request to search projector		—
ACKN	Response to projector search		—
LKUP =	Status notification (link up)		— When address is confirmed
ERST =	Status notification (error occurred)		—
POWR =	Status notification (changing power status)		—
INPT =	Status notification (changing input source)		—
SNUM ?	Serial number query		—
SVER ?	Software version query		— Response Main(P)
INNM ?	Input port name query		— Japanese and English only
IRES ?	Input resolution query		—
RRES ?	Recommended resolution query		—
FILT ?	Filter usage time query		—
RFIL ?	Response filter model number		ELPAF56
SVOL	Adjust speaker volume		VOL INC/DEC
MVOL	Adjust mic volume		MICLEVEL INC/DEC
FREZ	Freeze	1	FREEZE=ON
FREZ ?	Freeze off	0	FREEZE=OFF

Appendix

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