Multimedia Projector
EB-G5600 / G5650W / G5750WU / G5900 / G5950

EPSON
EXCEED YOUR VISION

SPECIFICATIONS

			EB-G5600	EB-G5650W	EB-G5750WU	EB-G5900	EB-G5950
Projection System			RGB Liquid-Crystal Shutter Projection System				
Specification of Main Parts	LCD	Size	0.8 inch with MLA (D7)	0.74 inch with MLA (D7)	0.76 inch with MLA (D9)	0.8 inch with MLA (D7)	
		Driving Method	Polysilicon TFT Active Matrix				
		Pixel Number	786,432 dots (1,024 x 768) x 3	1,024,000 dots (1,280 x 800) x 3	2,304,000 dots (1,920 x 1,200) x 3	786,432 dots (1,024 x 768) x 3	
		Native Resolution	XGA	WXGA	WUXGA	XGA	
	Projection Lens		Manual Focus & 1.8x Manual Zoom F=1.64 - 2.50 / f=21.27 - 37.93 mm				
	Lamp	Type	275W UHE		330W UHE		
		Life	2000 hours (High Brightness mode) / 3000 hours (ECO mode)				
Screen Size (Projected Distance)			50 to 300 inch [1.36m to 8.38m] (Zoom: Wide) 50 to 300 inch [2.46m to 14.99m] (Zoom: Tele)				
Offset			10:0 / 0:10	10:-1 / -1:10			
Light Output (Brightness*)	Normal / ECO Mode		4500 lm / 3600 lm			5200 lm / 4160 lm	
Color Light Output			4500 lm			5200 lm	
Contrast Ratio			1000:1	2000:1	1500:1	1000:1	2000:1
Color Reproduction			Full-Color (16.77 million colors)				
Color Mode	PC		Photo, Presentation, Theatre, Dynamic, sRGB, DICOM SIM, Customized				
	Video		Sports, Presentation, Theatre, Dynamic, sRGB, Customized				
Sound Output			7W Monaural				
Lens Shift	Vertical (Upward / Downward)		±50% from lens center <Manual>	±60% from lens center	±58% from lens center	±50% from lens center	
	Horizontal (Left side / Right side)		±10% from lens center <Manual>		±9% from lens center <Manual>	±10% from lens center <Manual>	
Effective Scanning Frequency Range (Analog)	Panael Clock		13.5 MHz to 162 MHz up to UXGA 60Hz				
	Horizontal		15 kHz to 92 kHz				
	Vertical		50 Hz to 85 Hz				
Keystone Correction (with standard lens)	Vertical		-40 to +40 degrees (Zoom: Tele)		-30 to +30 degrees (Zoom: Tele)	-40 to +40 degrees (Zoom: Tele)	
	Horizontal		-20 to +20 degrees (Zoom: Tele)				
Analog RGB I/O	Display Performance	Native	1,024 x 768 dots	1,280 x 800 dots	1,920 x 1,200 dots	1,024 x 768 dots	
	Input Terminal	Resize	Video Standards up to 1080p, PC standards up to UXGA-60, Wide PC Standards up to WXGA-60. Refer to Compatible mode (WXGA)		Video Standards up to 1080p, PC standards up to UXGA-60, Wide PC Standards up to WUXGA-60 RB. Refer to Compatible mode (WUXGA)	Video Standards up to 1080p, PC standards up to UXGA-60, Wide PC Standards up to WXGA-60. Refer to Compatible mode (WXGA)	
		Video	D-sub 15-pin x 2, 5-BNC x 1		D-sub 15-pin x 1, 5-BNC x 1	D-sub 15-pin x 2, 5-BNC x 1	
		Audio	Stereo mini-jack x 3		Stereo mini-jack x 1	Stereo mini-jack x 3	
	Output Terminal	Video	D-sub 15-pin x 1				
		Audio	Stereo mini-jack x 1				
Video I/O	Input Signal	Video Standard	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM				
	Input Terminal	Video	Composite Video: RCA (Yellow) x 1, 1-BNC x 1				
			S-Video: Mini DIN x 1				
			Component Video: D-sub 15-pin x 2		D-sub 15-pin x 1	D-sub 15-pin x 2	
			RGB-Video: 5-BNC x 1, D-sub 15-pin x 2		5-BNC x 1, D-sub 15-pin x 1	RGB-Video: 5-BNC x 1, D-sub 15-pin x 2	
		Audio	RCA (White / Red) x 1pair				
HDMI	Input Signal	Video Standard	480i / 576i / 480p / 576p / 720p / 1080i / 1080p				
		Video Signal	TMDS (TMDS is signal for HDMI)		N/A		
		Audio Signal	Linear PCM				
	Input Terminal	Video & Audio	HDMI x 1				
DVI-D	Display Performance	Native	N/A		1920 x 1200 dots (WUXGA)	N/A	
	Input Signal	Resize	N/A		Video Standards up to 1080p, PC standards up to UXGA-60, Wide PC Standards up to WUXGA-60 RB. Refer to Compatible mode (WUXGA)	N/A	
		Video Standard	N/A		480i / 576i / 480p / 576p / 720p / 1080i / 1080p	N/A	
		Video Signal	N/A		500 mVrms / 47 k-ohm	N/A	
	Input Terminal	Video	N/A		DVI Type D x 1	N/A	
		Audio	N/A		Stereo mini-jack x 1	N/A	
	HDCP		N/A		Yes	N/A	
Control I/O	USB I/O		Type A x 1			N/A	Type A x 1
	Serial I/O		RS-232C (D-sub 9-pin x 1)				
	Remote Control		Stereo mini-jack x 1				
Network I/O	Wired LAN		RJ45 x 1 100Mbps			N/A	RJ45 x 1 100Mbps
	Wireless	I/O Terminal	N/A	Type A x 1 (for Wireless LAN unit)		N/A	Type A x 1 (for Wireless LAN unit)
		Wireless LAN unit	N/A	Optional Accessory only		N/A	Optional Accessory only
Operating Temperature			0°C to 40°C <32°F to 104°F> (20%-80% humidity, unfrozen)				
Operating Altitude			0 m to 3000 m <0 ft to 9843 ft> (over 1,500m / 4,921 ft: with High altitude mode)				
Direct Power On / Off			Yes				
Power Supply Voltage			100 - 240 VAC ±10%, 50 / 60 Hz				
Power Consumption	Lamp On / Standby	100 - 120V	390W / 0.38W	464W / 0.38W	477W / 0.38W	464W / 0.38W	
		220 - 240V	373W / 0.47W	442W / 0.47W	451W / 0.47W	442W / 0.47W	
Dimensions (D x W x H)			311.5 x 470 x 135 mm (Not including foot and projection lens)				
Weight			Approx. 6.7 kg	Approx. 6.8 kg	Approx. 6.7 kg		
Fan Noise	Normal / ECO Mode		33 dB / 28dB	38 dB / 32dB	39 dB / 33dB	38 dB / 32dB	

Bold, Bright, Beautiful...3LCD Technology
3LCD technology achieves brighter, more natural images and smoother, sharper video playback. No color break-up makes images gentler on the eyes.

3LCD projector   1-chip DLP™* projector

3LCD
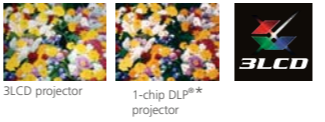
*DLP™ is a registered trademark or a trademark of Texas Instruments in the U.S. and / or other countries.

PROJECTION DISTANCE OF STANDARD LENS (XGA MODEL)

4:3 Screen size	Shortest (Wide)	Longest (Tele)	Vertical distance from center of lens to bottom edge of screen
X (screen size / dimension)	Y (cm / inch)		Z (cm / inch)
30" / 61 cm x 46 cm 24.0" x 18.1"	77 / 30	142 / 56	0–46 / 0.0–18.0
40" / 81 cm x 61 cm 31.9" x 24.0"	104 / 41	190 / 75	0–61 / 0.0–24.0
60" / 120 cm x 90 cm 47.2" x 35.4"	158 / 62	287 / 113	0–91 / 0.0–36.0
80" / 160 cm x 120 cm 63.0" x 47.2"	213 / 84	385 / 151	0–122 / 0.0–48.0
100" / 200 cm x 150 cm 78.7" x 59.1"	267 / 105	482 / 190	0–152 / 0.0–60.0
200" / 410 cm x 300 cm 161.4" x 118.1"	539 / 212	968 / 381	0–305 / 0.0–120.0
300" / 610 cm x 460 cm 240.2" x 181.1"	811 / 319	1457 / 573	0–457 / 0.0–180.0

PROJECTION DISTANCE OF STANDARD LENS (WXGA MODEL)

16:10 Screen size	Shortest (Wide)	Longest (Tele)	Vertical distance from center of lens to bottom edge of screen
X (screen size / dimension)	Y (cm / inch)		Z (cm / inch)
30" / 65 cm x 40 cm 25.4" x 15.9"	81 / 32	149 / 59	-4–44 / -1.5–17.4
40" / 86 cm x 54 cm 33.9" x 21.2"	109 / 43	200 / 79	-5–59 / -2.0–23.2
60" / 125 cm x 81 cm 50.9" x 31.8"	167 / 66	302 / 119	-8–88 / -3.0–34.8
80" / 172 cm x 108 cm 67.8" x 42.4"	224 / 88	405 / 159	-10–118 / -4.0–46.4
100" / 215 cm x 135 cm 84.8" x 53.0"	281 / 111	507 / 200	-13–147 / -5.0–58.0
200" / 431 cm x 269 cm 169.6" x 106.0"	567 / 223	1018 / 401	-26–295 / -10.1–116.1
300" / 646 cm x 404 cm 254.4" x 159.0"	853 / 336	1529 / 602	-38–442 / -15.1–174.1

PROJECTION DISTANCE OF STANDARD LENS (WUXGA MODEL)

16:10 Screen size	Shortest (Wide)	Longest (Tele)	Vertical distance from center of lens to bottom edge of screen
X (screen size / dimension)	Y (cm / inch)		Z (cm / inch)
30" / 65 cm x 40 cm 25.4" x 15.9"			
40" / 86 cm x 54 cm 33.9" x 21.2"			
60" / 125 cm x 81 cm 50.9" x 31.8"	164 / 64	296 / 117	-88–7 / -34.5–2.7
80" / 172 cm x 108 cm 67.8" x 42.4"	220 / 87	397 / 156	-117–9 / -45.9–3.5
100" / 215 cm x 135 cm 84.8" x 53.0"	276 / 109	497 / 196	-146–11 / -57.4–4.4
200" / 431 cm x 269 cm 169.6" x 106.0"	557 / 219	998 / 393	-291–22 / -114.9–8.9
300" / 646 cm x 404 cm 254.4" x 159.0"	838 / 330	1499 / 590	-438–34 / -172.3–13.3

PROJECTION DISTANCE OF OPTION LENS

4:3 Screen size	ELPLR03 Rear Projection Lens		ELPLM04 Middle Throw Zoom Lens		ELPLM05 Middle Throw Zoom Lens		ELPLL06 Middle Throw Zoom Lens	
	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)
X (screen size / dimension)	Y (cm / inch)		Y (cm / inch)		Y (cm / inch)		Y (cm / inch)	
30" / 61 cm x 46 cm 24.0" x 18.1"	45 / 18							
40" / 81 cm x 61 cm 31.9" x 24.0"	61 / 24		185 / 73	285 / 112	276 / 109	427 / 168	420 / 165	572 / 225
60" / 120 cm x 90 cm 47.2" x 35.4"	93 / 37		283 / 111	433 / 170	423 / 166	649 / 256	639 / 251	867 / 341
80" / 160 cm x 120 cm 63.0" x 47.2"	126 / 49		380 / 150	581 / 229	569 / 224	871 / 343	857 / 338	1162 / 457
100" / 200 cm x 150 cm 78.7" x 59.1"	158 / 62		478 / 188	728 / 287	716 / 282	1093 / 430	1076 / 424	1457 / 574
200" / 410 cm x 300 cm 161.4" x 118.1"	320 / 126		966 / 380	1466 / 577	1448 / 570	2202 / 867	2170 / 854	2932 / 1154
300" / 610 cm x 460 cm 240.2" x 181.1"			1454 / 572	2204 / 868	2180 / 858	3311 / 1304	3264 / 1285	4407 / 1735

Bright and Beautiful

Multimedia Projector
EB-G5600   EB-G5650W   EB-G5750WU   EB-G5900   EB-G5950

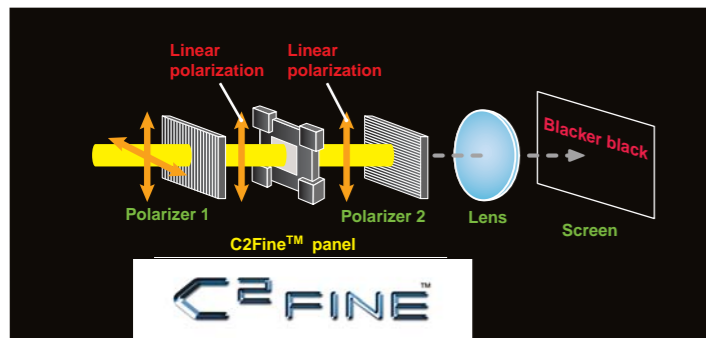### 1. WUXGA Resolution (Only WUXGA Model)

WU
10
SXGA+
XGA WXGA
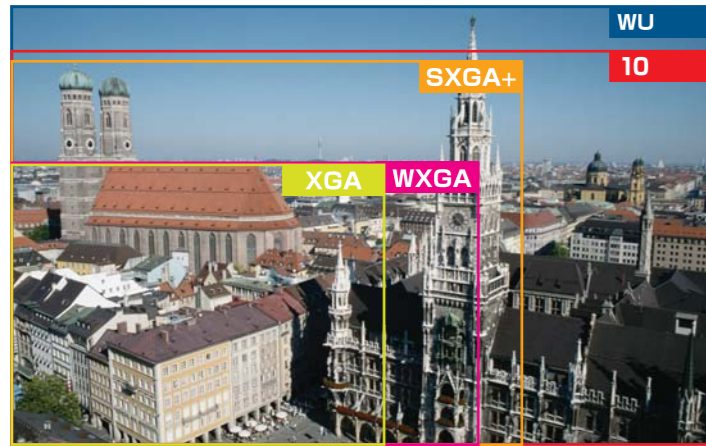
Epson's new product offers WUXGA (1920x1200 pixels) resolution for a high-resolution image display up to full HD video (1920x1080 pixels). Even on large screens, images maintain sharp, vivid detail, for a dynamic viewing experience.

2. High Contrast With Unbeatable Color Quality

C²Fine™

High contrast and flawless picture quality, thanks to Epson's proprietary C²Fine™ (Crystal Clear Fine) technology and inorganic LCD panels with Vertical Alignment (VA) technology.This technology is same as our home cinema projectors, with optical phase control technology to minimize polarized light leakage and increase contrast ratio.

Linear polarization Linear polarization
Blacker black
Polarizer 1   Polarizer 2   Lens   Screen
C2Fine™ panel

C²FINE

Low Contrast Image   **High Contrast Image**

*simulated Image

*EB-G5650W / G5950: 2000:1
*EB-G5750WU: 1500:1
*EB-G5600 / G5900: 1000:1
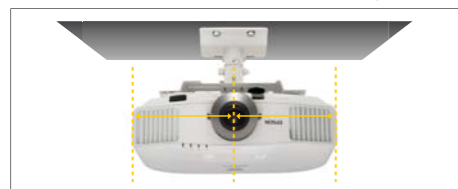
3. Excellent Color Management

Epson Color Management System

The Epson color management system achieves perfect balance between brightness and color quality. Colors remain superb in all color modes, creating the same impression in the brightest mode as in all other modes. Natural colors (skin, vegetation) do not vary significantly between different color modes, as Epson engineers took great care to maintain the look of skin color across all modes. Reds and yellows are particularly vivid.

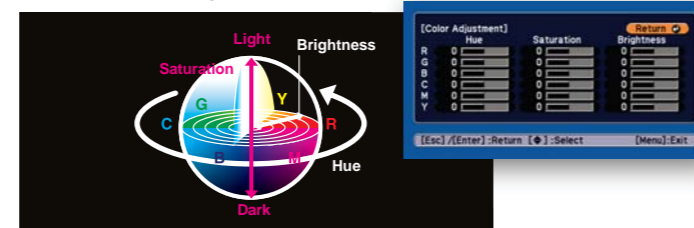It does not happen the yellowish image when the color mode is change.
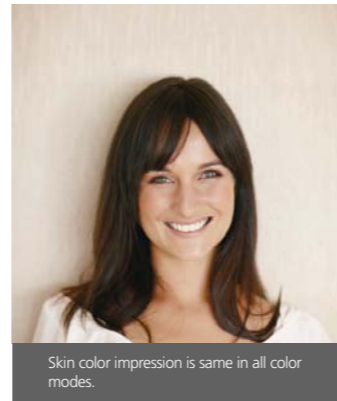
Skin color impression is same in all color modes.

*simulated Image

4. Image Customization Features

Six Axis Color Adjustment

Light Brightness
Saturation
Dark Hue

Users can adjust the hue, saturation, and brightness for the exact color balance they prefer.
*Only available in "Customized" color mode.

3-2/2-2 Pull Down Selection (Only WUXGA Model)

1080p/24fps signals can be processed using 3-2 or 2-2 pull down, depending on taste.
**3-2 pull down: Smoother image**
2-2 pull down: Ideal for movies, with the same frame length as film.
*From 24 frames, 3-2 pull down creates 60 fps and 2-2 pull down creates 48 fps.

Advanced Sharpness

Users can adjust sharpness as precisely as they like. Formerly only a feature of high-end home cinema projectors, and available now for the first time in Epson business projectors.

DICOM SIM Mode
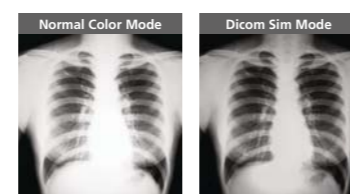
Normal Color Mode   Dicom Sim Mode

This color mode produces images with clear shadows, ideal for projecting X-rays and other medical images.
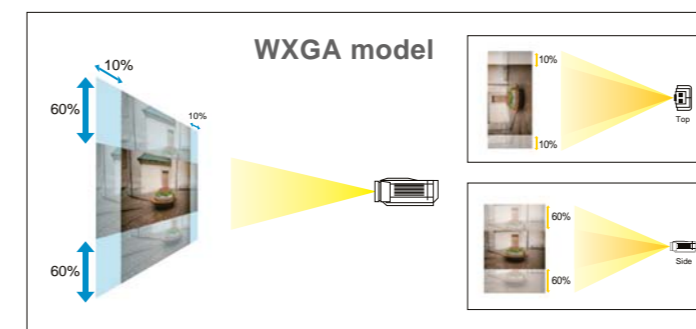
If a brochure mentions DICOM mode, be sure to stress the following note.

*This projector is not a medical device and can not be used for actual medical diagnosis.

*simulated Image

Stylish And Compact Design

Centered Lens

The centered lens makes installation simple.
- Simply align the ceiling mount post, the center of the projector, and the center of the screen.
- There's no need to consider the lens offset from the projector center.

Pleasing, Professional Design

The slim white case looks perfectly at home in any meeting room or classroom.

Neat Cable Storage

Cables can be neatly tucked out of sight behind a rear terminal input cover that matches the case design.

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1. Easy Installation

#### Horizontal / Vertical Lens Shift

10%
60%
WXGA model
10%
60%
10%
10% Top
60%
60% Side

Projection can easily be adjusted with both vertical and horizontal lens shift, giving users more flexibility in projector and screen placement.
*When maximum horizontal lens shift is used, available vertical lens shift is reduced.
*When maximum vertical lens shift is used, available horizontal lens shift is reduced.

5 Lens Options
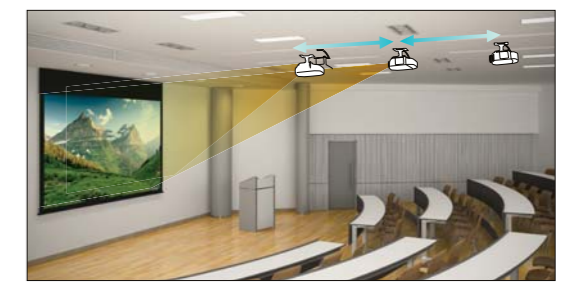
(Projection range: with 100 inch/16:10 screen)
XGA model: 1.58-14.57m
WXGA model: 1.66-15.33m
WUXGA model: 1.63-15.03m

The 1.8x zoom of the standard lens allows a broad projection range, and there are optional lenses if a greater range is needed.

2. Easy Maintenance

Easy Accessories Replacement

Easy Lens Replacement   **Easy-to-replace Lamps**   **Easy-to-replace Filter**

Bayonet mounts make lens replacement a cinch. An anti-theft locking mechanism is included.

Lamps can be replaced quickly without tools and without having to uninstall the projector from the ceiling.

When the time comes to change the filter, it's as simple as pulling the filter out.

Advanced Monitoring & Control Function
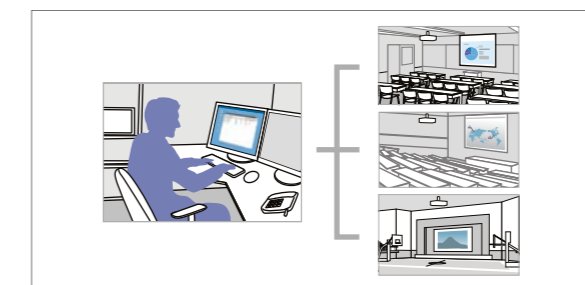
- Easy MP monitor
- Message Broadcasting
  (Only EB-G5750WU / EB-G5650W / EB-G5950)
- RoomView® compatibility
  (Only EB-G5750WU / EB-G5650W / EB-G5950)
- PJLink™ compatibility

For More Effective Meetings

Split Screen

Split Screen allows inputs from two separate sources to be displayed side by side on the same screen. In a video conference, for example, images of presentation materials and remote participants can be shown simultaneously.

Multi PC Projection (Only EB-G5750WU / EB-G5650W / EB-G5950)

With Epson "EasyMP Multi PC Projection" freeware, the projectors can be used for interactive meetings. Up to 16 computers can connect to one projector on a network, with screens from any four computers being projected at a time.

<Compare Data On Up To Four Screens>
Compare and analyze data on simultaneously projected screens from multiple computers connected to the network.

<Drag And Drop To Change Presenters>
Adding or removing presenters' screens is done by simply dragging and dropping user icons. This allows meeting participants to share their opinions more quickly and effectively.