

Projector



Model Name	LH890UST	LW820ST	LX820ST	SU931	SU922+	
Projection System	DLP Single 0.65" WXGA	DLP Single 0.65" WXGA	DLP Single 0.67" XGA	DLP Single 0.67" WXGA	DLP Single 0.65" WXGA	
DMD type	DC3 DMD chip	DC3 DMD chip	DC3 DMD chip	DC3 DMD chip	DC3 DMD chip	
Native Resolution	1920 x 1080 pixels	1280 x 800 pixels	1024 x 768 pixels	1920 x 1080 pixels	1280x800 pixels	
Brightness	4,000 Lumens	3,500 Lumens	3,500 Lumens	5,000 Lumens	5,000 Lumens	
Contrast Ratio*	100,000:1	100,000:1	100,000:1	3,000:1	3,000:1	
Display Color	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	1.07 Billion Colors	30 Bits (1.07 billion colors)	
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	Native 4:3 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)*	
Light Source	Laser	Laser	Laser	Lamp	Lamp(370W)	
Light Source Life ⁶ (Normal/Eco/Smart/Eco/Lampsave Mode)	Normal 20000 hrs	Normal 20000 hrs	Normal 20000 hrs	2000/2500 hours	2000/2500 hours (Normal/Eco mode)	
Throw Ratio	0.23	0.52	0.65	1.07~1.71	1.07~1.71	
Zoom Ratio	Fixed	Fixed	Fixed	1.6X	1.6x	
Lens Control	F/W = 2.4, f = 3.35 mm	F/W = 2.79, f = 7.46 mm	F/W = 2.79, f = 7.46 mm	F=2.45~3.07, f= 25.1	N/A	
Lens Shift	N/A	N/A	N/A	V (0% ~ +1.5%), Standard Lens	Vertical: +2.5%	
Keystone Correction	2D keystone, Vertical ± 20 B Horizontal ± 20 degrees.	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees	2D, Vertical & Horizontal ± 30 degrees	2D keystone, V: ±30 degree, H: ±30 degree	
Projection Offset**	119%	106.1 +/- 2.5%	108.4 +/- 2.5%	102.50%	102.50%	
Projection Size	81"~121"	60"~120"	60"~120"	60"~240"	30"~300"	
Audio	Built-in Speaker 10W x1	10W x1	10W x1	20W (10Wx2)	20W (10Wx2)	
Special Feature	Security	Security Bar/Kenington anti-theft lock slot	Security Bar/Kenington anti-theft lock slot	Kenington Lock, Security Bar	Kenington anti-theft lock slot, Security Bar	
Connectivity	I/O Port	HDMI x1 HDMI 2.0/4K x1 PC (D-sub 15pin) x1 Monitor out (D-sub 15pin, Female) x1 Composite Video in (RCA) x1 S-Video in x1 Audio (m/m) jack x1 Audio L/R in (RCA) x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network) x1 RS232 In (D-sub 9pin, male) x1 USB Type-A (SV1.5A) x1 USB Type mini B (For service) x1 USB Type mini B (For Power module) x1	HDMI x1 HDMI 2.0/4K x1 PC (D-sub 15pin) x1 Monitor out (D-sub 15pin, Female) x1 Composite Video in (RCA) x1 S-Video in x1 Audio (m/m) jack x1 Audio L/R in (RCA) x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network) x1 RS232 In (D-sub 9pin, male) x1 USB Type-A (SV1.5A) x1 USB Type mini B (For service) x1/R. Receiver (Front) x2	HDMI x1 HDMI 2.0/4K x1 PC (D-sub 15pin) x1 Monitor out (D-sub 15pin, Female) x1 Composite Video in (RCA) x1 S-Video in x1 Audio (m/m) jack x1 Audio L/R in (RCA) x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network) x1 RS232 In (D-sub 9pin, male) x1 USB Type-A (SV1.5A) x1 USB Type mini B (For service) x1 IR Receiver (Front) x2	Computer In x1 Monitor out (D-sub 15pin, Female) x1 Composite Video(RCA) x1 S-Video in x1 HDMI In (one with MHL) x2 Audio (m/m) jack x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network control) x1 USB Type(A/SV1.5A power) x1 USB Type Mini B x1 12V Trigger x1 RS232 in x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	Computer In x1 Monitor out (D-sub 15pin, Female) x1 Composite Video(RCA) x1 S-Video in x1 HDMI In (one with MHL) x2 Audio (m/m) jack x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network control) x1 USB Type(A/SV1.5A power) x1 USB Type Mini B x1 12V Trigger x1 RS232 in x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1
Resolution Support	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	
Horizontal Frequency	15~102KHz	15K~102KHz	15K~102KHz	15~102KHz	15~102KHz	
Vertical Scan Rate	23~120 Hz	23~120Hz	23~120 Hz	23~120 Hz	23~120 Hz	
HDTV/UHDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	
Power Consumption(Normal)	Typical 350W	Typical 283W	Typical 283W	Typical 420W	Typical 500W	
Standby Power Consumption	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Standby power <0.5W	Network Standby<2W, Standby<0.5W	
Power Supply	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC 100 ~ 240V	AC100V to 240V, 50Hz to 60Hz	
Product Dimensions (WxHxD)	302 x 164.5 x 399.3 mm	410 x 158 x 372 mm	410 x 158 x 272 mm	446 x 152 x 336 mm	411.4x118.6x267.5 mm	
Product Weight	9.06 Kg	5.6Kg	5.6Kg	6.7Kg	4.9 kg	
Noise Level (Normal/Eco)	35/32 dBA (without dust filter) 37/34 dBA (with dust filter)	33/29 dBA (without dust filter) 35/31 dBA (with dust filter)	33/29 dBA (without dust filter) 35/31 dBA (with dust filter)	39/34 dBA	36/33 dBA	
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	
Accessories (Standard)	Power Cord (by region) Remote Control w/ Battery (RC602) VGA (D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region) Wall mount (WH03G6)	Power Cord (by region) Remote Control w/ Battery (RC6015) VGA (D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region)	Power Cord (by region) Remote Control w/ Battery (RC6015) VGA (D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region)	Lens cover Remote control w/ Battery (RC6011) VGA(D-sub 15pin) Cable User Manual CD Quick Start Guide Warranty Card (by region) x 1 VGA (D-sub 15pin) Cable x 1	Power Cord (by region) Lens cover AA-Batteryx2 User Manual CD Quick Start Guide Warranty card/by sku) VGA(D-sub 15pin) Cable	
Accessories (Optional)	3D Glasses (SJPH25.002) PointWrite Kit:PW02 (SJPA26.11E) Wireless Dongle - Q-Cast QP09 (SA-JH28.10X) Wireless Dongle - Q-Cast QP01 (SJCX28.201) InstaShw™ (WDC16) 3m Dust Filter (PTF502)	3D Glasses (SJPH25.002) PointWrite Kit:PW02 (SJPA26.11E) Wireless Dongle - Q-Cast QP09 (SA-JH28.10X) Wireless Dongle - Q-Cast QP01 (SJCX28.201) 3m Dust Filter -PTF501 Wall mount (WH06G3)*	3D Glasses (SJPH25.002) PointWrite Kit:PW02 (SJPA26.11E) Wireless Dongle - Q-Cast QP09 (SA-JH28.10X) Wireless Dongle - Q-Cast QP01 (SJCX28.201) 3m Dust Filter -PTF501 Wall mount (WH06G3)*	Spare Lamp Kit P/N: SJDPO5.001 3D Glasses P/N: SJPH25.002 Ceiling mount (CM03)	Spare Lamp Kit / Kit (SJDPO5.001) 3D Glasses P/N: SJPH25.002 Ceiling mount (CM03)	
OSD	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese (30 languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	

Environmental Notice
*LightSource life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.
**All related Optical Value is measure by Standard Lens.
*The Contrast is measure by Full On Full Off standard.

Projector



Model Name	SW921+	SX920+	SU765	SU765	SU765	HW84UST	
Projection System	DLP Single 0.67" WXGA	DLP Single 0.67" WXGA	DLP Single 0.67" WXGA	DLP Single 0.67" WXGA	DLP Single 0.67" WXGA	DLP Single 0.65" WXGA	
DMD type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	
Native Resolution	1280x800 pixels	1024x768 pixels	1920x1080 pixels	1024x768 pixels	1280x800 pixels	1280x800 pixels	
Brightness	5100 Lumens	5100 Lumens	5,500 Lumens	5,500 Lumens	6,000 Lumens	3,300 ANSI Lumens	
Contrast Ratio*	3,000:1	3,000:1	10000:1	10000:1	10000:1	13000:1	
Display Color	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	1.07 Billion Colors	
Aspect Ratio	Native 16:10 (5 aspect ratio selectable)*	Native 4:3 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)*	Native 16:10 (5 aspect ratio selectable)*	Native 4:3 (5 aspect ratio selectable)*	Native 16:10 (5 aspect ratio selectable)	
Light Source	Lamp(370W)	Lamp(370W)	Lamp(330W)	Lamp(330W)	Lamp(330W)	Lamp 240W	
Light Source Life ⁶ (Normal/Eco/Smart/Eco/Lampsave Mode)	2000/2500 hours (Normal/Eco mode)	2000/2500 hours (Normal/Eco mode)	3000/5000/6000 hours (Normal/Eco/Smart/Eco mode)	3000/5000/6000 hours (Normal/Eco/Smart/Eco mode)	3000/5000/6000 hours (Normal/Eco/Smart/Eco mode)	3000/4000/4000 hours (Normal/Eco/Smart/Eco mode)	
Throw Ratio	1.12~1.8	1.41~2.25	1.39~2.09	1.44~2.16	1.44~2.16	0.23	
Zoom Ratio	1.6x	1.6x	1.5X	1.5X	1.5X	Fixed	
Lens Shift	Vertical: +2.5%	Vertical: +7.5%	Vertical: +13%	Vertical: +1%	Vertical: +1%	2D/Vertical ± 30 degrees, Horizontal ± 25 degrees	
Keystone Correction	2D keystone, V: ±30 degree, H: ±30 degree	2D keystone, V: ±30 degree, H: ±30 degree	2D, Horizontal / Vertical ± 30 degrees	2D, Horizontal / Vertical ± 30 degrees	2D, Horizontal / Vertical ± 30 degrees	Manual Zoom and Focus	
Projection Offset**	105.00%	107.50%	108.00%	100.00%	100.00%	NA	
Projection Size	30"~300"	30"~300"	30"~300"	30"~300"	30"~300"	115%	
Audio	Built-in Speaker 20W (10Wx2)	20W (10Wx2)	5W x 1	5W x 1	5W x 1	87" ~ 120"	
Special Feature	Security	Kenington anti-theft lock slot, Security Bar	Kenington anti-theft lock slot, Security Bar	Kenington anti-theft lock slot, Security Bar	Kenington anti-theft lock slot, Security Bar	Kenington Lock, Security Bar, Hidden Space for Wireless Dongle	
Connectivity	I/O Port	Computer In x1 Monitor out (D-sub 15pin, Female) x1 Composite Video(RCA) x1 S-Video in x1 HDMI In (one with MHL) x2 Audio (m/m) jack x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network control) x1 USB Type(A/SV1.5A power) x1 USB Type Mini B x1 12V Trigger x1 RS232 in x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	Computer In x1 Monitor out (D-sub 15pin, Female) x1 Composite Video(RCA) x1 S-Video in x1 HDMI In (one with MHL) x2 Audio (m/m) jack x1 Audio out (m/m) jack x1 LAN Port(RJ45 for Network control) x1 USB Type(A/SV1.5A power) x1 USB Type Mini B x1 12V Trigger x1 RS232 in x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	USB (Type B) x1 HDMI x1 HDMI 2.1 x1 S-Video in x1 Monitor out (D-sub 15pin) x1 Composite Video In (RCA) x1 LAN x1 USB Type(A) x1 3D Sync Out x1 DC 12V Trigger (2.5mm Jack) x1 Audio out (m/m) jack x1 Audio in (m/m) jack x1 Speaker SW x1 RS-232 x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	USB (Type B) x1 HDMI x1 HDMI 2.1 x1 S-Video in x1 Monitor out (D-sub 15pin) x1 Composite Video In (RCA) x1 LAN x1 USB Type(A) x1 3D Sync Out x1 DC 12V Trigger (2.5mm Jack) x1 Audio out (m/m) jack x1 Audio in (m/m) jack x1 Speaker SW x1 RS-232 x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	USB (Type B) x1 HDMI x1 HDMI 2.1 x1 S-Video in x1 Monitor out (D-sub 15pin) x1 Composite Video In (RCA) x1 LAN x1 USB Type(A) x1 3D Sync Out x1 DC 12V Trigger (2.5mm Jack) x1 Audio out (m/m) jack x1 Audio in (m/m) jack x1 Speaker SW x1 RS-232 x1 IR Receiver(Front) x1 IR Receiver(Top) x1 Microphone jack x1	2D (HDMI) x2 (share with MHL) PC In (D-sub 15pin) x2 (share with component video) Monitor Out (D-sub 15pin) x1 Composite Video In (RCA) x1 S-Video In x1 Audio In (mini jack) x2 Audio L/R in (RCA) x1 Audio Out (mini jack) x1 LAN RJ45 x 1 (LAN control) RS232 (DB-9pin) x 1 USB (Type A) x 1 (SV1.5A power supply) USB (Type mini B) x 2 (FW download / optional interactive camera) IR Receiver x 1 (Front)
Resolution Support	VGA(640 x 480) to UXGA(1600 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to UXGA(1600 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to UXGA(1600 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to UXGA(1600 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	VGA(640 x 480) to WXUGA_RB (1920 x 1200) *RB:Reduced Blanking	
Horizontal Frequency	15~102KHz	15~102KHz	15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz	
Vertical Scan Rate	23~120 Hz	23~120 Hz	23~120 Hz	23~120 Hz	23~120 Hz	23~120 Hz	
HDTV/UHDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
Video Compatibility	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	
Power Consumption(Normal)	Typical 500W	Typical 500W	Typical 500W	Typical 420W	Typical 420W	Typical 353W	
Standby Power Consumption	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Network Standby<2W, Standby<0.5W	Standby<2W	
Power Supply	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	AC100V to 240V, 50Hz to 60Hz	
Product Dimensions (WxHxD)	411.4x118.6x267.5 mm	411.4x118.6x267.5 mm	359.8 x 120.8 x 259mm	359.8 x 120.8 x 259mm	359.8 x 120.8 x 259mm	382 x 145 x 435 mm	
Product Weight	4.9 kg	4.9 kg	3.7 Kg	3.7 Kg	3.7 Kg	6.2 kg	
Noise Level (Normal/Eco)	36/33 dBA	36/33 dBA	39/36 dBA	39/36 dBA	39/36 dBA	35/29 dBA	
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	
Accessories (Standard)	Power Cord Remote control (RC6011) Lens cover AA-Batteryx2 User Manual CD Quick Start Guide Warranty card/by sku) VGA(D-sub 15pin) Cable	Power Cord Remote control (RC6011) Lens cover AA-Batteryx2 User Manual CD Quick Start Guide Warranty card/by sku) VGA(D-sub 15pin) Cable	Power Cord (by region) Remote control w/ Battery (RC5011) VGA(D-sub 15pin) Cable User Manual CD Quick Start Guide (1BL) Warranty Card/by region)	Power Cord (by region) Remote control w/ Battery (RC5011) VGA(D-sub 15pin) Cable User Manual CD Quick Start Guide (1BL) Warranty Card/by region)	Power Cord (by region) Remote control w/ Battery (RC5011) VGA(D-sub 15pin) Cable User Manual CD Quick Start Guide (1BL) Warranty Card/by region)	Power Cord (by region) Remote control w/ Battery (RC5011) VGA(D-sub 15pin) Cable User Manual CD Quick Start Guide (1BL) Warranty Card/by region)	Remote Control w/ Battery (RC5011) x 1 Power Cord (by region) x 1 3D Glasses DGD5 (SJPH25.001) Warranty Card (by region) x 1 VGA (D-sub 15pin) Cable Wall Mount Kit (with installation guide) x 1
Accessories (Optional)	Spare Lamp Kit P/N: SJDPO5.001 3D Glasses P/N: SJPH25.002 Ceiling mount (CM03)	Spare Lamp Kit P/N: SJDPO5.001 3D Glasses P/N: SJPH25.002 Ceiling mount (CM03)	Spare Lamp Kit P/N: SJPFO5.001 Wireless Dongle - Q-Cast QP01 (SJCX28.201) InstaShw™ (WDC16) 3D Glasses (SJPH25.002)	Spare Lamp Kit P/N: SJPFO5.001 Wireless Dongle - Q-Cast QP01 (SJCX28.201) InstaShw™ (WDC16) 3D Glasses (SJPH25.002)	Spare Lamp Kit (SJPFO5.001) Wireless Dongle - Q-Cast QP01 (SJCX28.201) InstaShw™ (WDC16) 3D Glasses (SJPH25.002)	Spare Lamp Kit (SJPFO5.001) 3D Glasses DGD5 (SJPH25.001) Document Camera (30 9H) (JL78.13E) PointWrite Kit (PW12) (SJDN26.11E) PowerWrite Touch Module (PT12) (SJBL26.13E)	
OSD	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	

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*The Contrast is measure by Full On Full Off standard.

Projector



Model Name	MW315ST	DX800ST	HM731	MW612	MX611
Projection System	DLP Single 0.55" WXGA	DLP Single 0.55" XGA	DLP Single 0.65" 1080p	DLP Single 0.65" WXGA	DLP Single 0.65" WXGA
DMD type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
Native Resolution	1280x800 pixels	1024 x 768 pixels	1080P (1920x1080)	WXGA (1280x800)	XGA (1024x768)
Brightness	3,400 ANSI Lumens	3,000 ANSI Lumens	4000lm	4200lm	4000lm
Contrast Ratio*	20,000:1	20,000:1	16000:1	20000:1	20000:1
Display Color	1.07 Billion Colors	1.07 Billion Colors	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)
Aspect Ratio	Native 16:10 (5 aspect ratio selectable)	Native 4:3 (5 aspect ratio selectable)	16:9	16:10	4:3
Light Source	Lamp 200W	Lamp 200W	Lamp	Lamp	Lamp
Light Source Life* (Normal/Eco/SmartEco/Lampsave mode or Normal/Eco/SmartEco/Lampsave mode)	5000/10000/10000/15000 hours (Normal/Eco/SmartEco/Lampsave mode)	5000/10000/10000/15000 hours (Normal/Eco/SmartEco/Lampsave mode)	Economic 8000 hrs./Lampsave 15000 hrs./Normal 4000 hrs./SmartEco 8000 hrs.	Economic 10000 hrs./Lampsave 15000 hrs./Normal 4000 hrs./SmartEco 8000 hrs.	Economic 10000 hrs./Lampsave 15000 hrs./Normal 4000 hrs./SmartEco 8000 hrs.
Throw Ratio	0.49	0.61	1.15~1.5	1.55~1.7	1.96~2.15
Zoom Shift	Fixed	Fixed	1.3x	1.1x	1.1x
Keystone Correction	Manual Focus	Manual Focus	2D (Auto)/Vertical ± 30 degrees/Horizontal ± 20 degrees	1D, Vertical ± 30 degrees	1D, Vertical ± 30 degrees
Projection Offset**	NA	NA	115%	100%	110%
Projection Size	105"	115"	30"~300"	30"~300"	30"~300"
Built-in Speaker	60" ~ 120"	60"~120"	10Wx1	2Wx1	2Wx1
Security	Kensington Lock, Security Bar	Kensington Lock, Security Bar	Security Bar/Kensington anti-theft lock slot	Security Bar/Kensington anti-theft lock slot	Security Bar/Kensington anti-theft lock slot
I/O Port	HDMI x 2 (HDMI2 share with PHL) PC In (D-sub 15pin) x 2 (share with component video) Monitor Out (D-sub 15pin) x 1 Composite Video In (RCA) x 1 S-Video In (RCA) x 1 Audio In (mini jack) x 2 Audio L/R In (RCA) x 1 Audio Out (mini jack) x 1 LAN RJ45 x 1 (LAN control) RS232 (DB-9pin) x 1 USB (type A) x1 (power only SV11.5A) USB (type mini B) x 1 IR Receiver x 2 (front, top)	HDMI x1 PC In (D-sub 15pin) x2 (share with component video) Monitor Out (D-sub 15pin) x1 RS232 (DB-9pin) x1 USB (type A) x1 (power only SV11.5A) USB (type mini B) x1 IR Receiver x 2 (front, top)	PC in (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2 (PHL) x 1 Composite Video In (RCA) x 1 S-Video In (Mini Din 4 pin) x 1 Audio In (3.5mm Mini jack) x 1 Audio out (3.5mm Mini jack) x 1 USB Type A-1 (2.0/Power Supply) 1.5A x 1 USB Type A-2 (2.0/Power Supply) 1.5A x 1 USB Type Mini-B (service/Page up/down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC In (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2 (PHL) x 1 Composite Video In (RCA) x 1 S-Video In (Mini Din 4 pin) x 1 Audio In (3.5mm Mini jack) x 1 Audio out (3.5mm Mini jack) x 1 USB Type A-1 (2.0/Power Supply) 1.5A x 1 USB Type Mini-B (service/Page up/down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)	PC In (D-sub 15pin) x 1 Monitor out (D-sub 15pin) x 1 HDMI x 2 (PHL) x 1 Composite Video In (RCA) x 1 S-Video In (Mini Din 4 pin) x 1 Audio In (3.5mm Mini jack) x 1 Audio out (3.5mm Mini jack) x 1 USB Type A-1 (2.0/Power Supply) 1.5A x 1 USB Type Mini-B (service/Page up/down) x 1 RS232 (DB-9pin) x 1 IR Receiver x 2 (Front/Top)
Resolution Support	VGA(640 x 480) to WUXGA_RB (1920 x 1200) *RB=Reduced Blanking	VGA (640 x 480) to WUXGA_RB (1920 x 1200)*RB=Reduced Blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking
Horizontal Frequency	15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz	15K~102KHz
Vertical Scan Rate	23Hz~120Hz	23Hz~120Hz	23~120Hz	23~120KHz	23~120KHz
HDTV/UHDTV Compatibility	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	1080i,1080p,480i,480p,576i,576p,720p	1080i,1080p,480i,480p,576i,576p,720p	1080i,1080p,480i,480p,576i,576p,720p
Video Compatibility	NTSC,PAL,SECAM	N/A	NTSC,PAL,SECAM	NTSC,PAL,SECAM	NTSC,PAL,SECAM
Power Consumption(Normal)	Typical 260W	Typical 280W	320W	320W	320W
Standby Power Consumption	Standby<0.5W	Standby<0.5W	<0.5W	<0.5W	<0.5W
Power Supply	AC100V to 240V,50Hz to 60Hz	AC100V to 240V,50Hz to 60Hz	AC 100 to 240 V,50/60 Hz	AC 100 to 240 V,50/60 Hz	AC 100 to 240 V,50/60 Hz
Product Dimensions (WxHxD)	296 x 120 x 239 mm	320 x 120x239 mm	296 x 120 x 221 mm	296 x 120 x 221mm	296 x 120 x 221mm
Product Weight	2.6 Kg	2.7 kg	2.5 kg	2.3 kg	2.3 kg
Noise Level (Normal/Eco)	33/29dBA	36/32 dBA	33/29 dB	34/29 dB	34/29 dB
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0~40°C	0~40°C	0 ~ 40°C
Remote Control w/ Battery (RCX013) x 1 Power Cord (by region) x 1 Quick Start Guide x 1 User Manual CD x 1 Warranty Card (by region) x 1	Remote Control w/ Battery (RCX013) x 1 Power Cord (by region) x 1 Quick Start Guide x 1 User Manual CD x 1 Warranty Card (by region) x 1	Remote Control w/ Battery (RCX013) x 1 Power Cord (by region) x 1 Quick Start Guide x 1 User Manual CD x 1 Warranty Card (by region) x 1 Dust filter (assembled) x 1	Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001
Spare Lamp Kit (S)JGE05.001 Dust Filter (S)JCV14.001 3D Glasses DGD5 (S)JPH25.002 Document Camera (S)0 9HJRL7B.T3E PointWrite Kit PWR02 (S)JPA26.12E PointWrite Touch Module PT12 (S)JRL26.13E Wall Mount (S)J4R10.011	Spare Lamp Kit (S)JGP05.001 Spare Filter (S)JPH25.002 3D Glasses DGD5 (S)JPH25.002 Document Camera (S)0 9HJRL7B.T3E PointWrite Kit PWR02 (S)JPA26.12E PointWrite Touch Module PT12 (S)JRL26.13E Wall Mount (S)J4R10.011	Spare Lamp Kit (S)JH505.001 3D Glasses (S)JPH25.002 Wireless Dongle - Q-Cast Mirror (SA, JH32B.X01) Wireless Dongle - Q-Cast Mirror QP20 (SA, JH32B.X0X) Wireless Dongle - Q-Cast QP01 (S, JCK28.X01) Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (S)JGR05.001 3D Glasses (S)JPH25.002 Wireless Dongle - Q-Cast Mirror (SA, JH32B.X01) Wireless Dongle - Q-Cast (S)JCK28.X01 Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (S)JGR05.001 3D Glasses (S)JPH25.002 Wireless Dongle - Q-Cast Mirror (SA, JH32B.X0X) Wireless Dongle - Q-Cast (S)JCK28.X01 Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount
Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)

Environmental Notice
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**All related Optical Value is measure by Standard Lens.
*The Contrast is measure by Full On Full Off standard.

Projector



Model Name	MS610	MH550	MW650	MX550	MS550
Projection System	DLP Single 0.55" SVGA	DLP Single 0.65" 1080P	DLP Single 0.65" WXGA	DLP Single 0.55" XGA	DLP Single 0.55" SVGA
DMD type	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip	DC3 DMD Chip
Native Resolution	1280x800 pixels	1920 x 1080 pixels	1920 x 800 pixels	1024 x 768 pixels	800 x 480 pixels
Brightness	4000lm	3500 ANSI Lumens	3600 ANSI Lumens	3600 ANSI Lumens	3600 ANSI Lumens
Contrast Ratio*	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Display Color	30 Bits (1.07 billion colors)	1.07 Billion Colors	1.07 Billion Colors	1.07 Billion Colors	1.07 Billion Colors
Aspect Ratio	4:3	Native 16:9 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)	Native 4:3 (5 aspect ratio selectable)	Native 4:3 (5 aspect ratio selectable)
Light Source	Lamp	Lamp	Lamp	Lamp	Lamp
Light Source Life* (Normal/Eco mode or Normal/Eco/SmartEco/Lampsave mode)	Normal 4000 hrs./Economic 10000 hrs./SmartEco 8000 hrs./Lampsave 15000 hrs.	5000/10000/10000/15000 hours/Normal/Eco/SmartEco/Lamp save mode)	5000/10000/10000/15000 hours/Normal/Eco/SmartEco/Lamp save mode)	5000/10000/10000/15000 hours/Normal/Eco/SmartEco/Lamp save mode)	5000/10000/10000/15000 hours/Normal/Eco/SmartEco/Lamp save mode)
Throw Ratio	1.96~2.15	1.49~1.64	1.55~1.7 (07" ±3% @ 2.9m)	1.96 ~ 2.15	1.96 ~ 2.15
Zoom Shift	1.1x	1.1x	1.1x	1.1x	1.1x
Keystone Correction	N/A	NA	NA	NA	NA
Projection Offset**	110%	110%±2.5%	110%±2.5%	110%±2.5%	110%±2.5%
Projection Size	30"~300"	30" ~ 300"	30" ~ 300"	30" ~ 300"	30" ~ 300"
Built-in Speaker	2Wx1	2W	2W	2W	2W
Security	Security Bar/Kensington anti-theft lock slot	Security Bar/Kingsington lock	Security Bar/Kingsington lock	Kensington Lock, Security Bar	Kensington Lock, Security Bar
I/O Port	HDMI x1 PC In (D-sub 15pin) x2 (share with component video) Monitor Out (D-sub 15pin) x1 RS232 (DB-9pin) x 1 USB (type A) x1 (power only SV11.5A) IR Receiver x2 (front, top)	HDMI x 1 HDMI2 x 1 USB Type mini B (For Page up/down and PIV upgrade) x 1 Computer In (D-sub 15pin, Female) x 1 Monitor out (D-sub 15pin, Female) x 1 RS232 (D-sub 9pin, male) x 1 Composite Video(RCA) x 1 S-Video x 1 Audio in(mini jack) x 1 Audio out (mini jack) x 1 IR Receiver (Front/Rear) x 2	HDMI x 1 HDMI2 x 1 USB Type mini B (For Page up/down and PIV upgrade) x 1 Computer In (D-sub 15pin, Female) x 1 Monitor out (D-sub 15pin, Female) x 1 RS232 (D-sub 9pin, male) x 1 Composite Video(RCA) x 1 S-Video x 1 Audio in(mini jack) x 1 Audio out (mini jack) x 1 IR Receiver (Front/Rear) x 2	HDMI x 1 HDMI2 x 1 USB Type mini B (For Page up/down and PIV upgrade) x 1 Computer In (D-sub 15pin, Female) x 1 Monitor out (D-sub 15pin, Female) x 1 RS232 (D-sub 9pin, male) x 1 Composite Video(RCA) x 1 S-Video x 1 Audio in(mini jack) x 1 Audio out (mini jack) x 1 IR Receiver (Front/Rear) x 2	HDMI x 1 HDMI2 x 1 USB Type mini B (For Page up/down and PIV upgrade) x 1 Computer In (D-sub 15pin, Female) x 1 Monitor out (D-sub 15pin, Female) x 1 RS232 (D-sub 9pin, male) x 1 Composite Video(RCA) x 1 S-Video x 1 Audio in(mini jack) x 1 Audio out (mini jack) x 1 IR Receiver (Front/Rear) x 2
Resolution Support	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920x1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920x1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920x1200) *RB=Reduced blanking	VGA(640 x 480) to WUXGA_RB(1920x1200) *RB=Reduced blanking
Horizontal Frequency	15K~102KHz	15~102KHz	15~102KHz	15 ~ 102KHz	15 ~ 102KHz
Vertical Scan Rate	23~120KHz	23 ~ 120 Hz	23 ~ 120 Hz	23 ~ 120 Hz	23 ~ 120 Hz
HDTV/UHDTV Compatibility	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p	480i,480p,576i,576p,720p,1080i,1080p
Video Compatibility	NTSC,PAL,SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Power Consumption(Normal)	320W	Typical 270W	Typical 270W	Typical 270W	Typical 270W
Standby Power Consumption	<0.5W	Standby < 0.5W	Standby < 0.5W	Standby < 0.5W	Standby < 0.5W
Power Supply	AC 100 to 240V, 50/60 Hz	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
Product Dimensions (WxHxD)	296 x 120 x 221mm	296 x 120 x 221 mm	296 x 120 x 221 mm	296 x 120 x 221 mm	296 x 120 x 221 mm
Product Weight	2.3 kg	2.3 kg	2.3 kg	2.3 kg	2.3 kg
Noise Level (Normal/Eco)	34/29 dB	33/29 dBA	33/29 dBA	33/29 dBA	33/29 dBA
Operating Temperature	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0~40°C	0 ~ 40°C
Remote control w/ Battery (RCX014) Power Cord (by region) VGA (D-sub 15pin) Cable x 1 Warranty Card (by region) User Manual CD x 1 Quick Start Guide x 1	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001	Remote control (S)JGV06.001 AAA Battery x 2 Power Cord (by region) VGA cable Warranty Card (by region) QSG (4)JH701.001
Spare Lamp Kit (S)JGR05.001 3D Glasses (S)JPH25.002 Wireless Dongle - Q-Cast Mirror (SA, JH32B.X0X) Wireless Dongle - Q-Cast (S)JCK28.X01 Carry Bag (QS1) Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount	Spare Lamp Kit (S)JH05.001 3D Glasses (S)JPH25.002 Ceiling mount
Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnamese/ Persian (30 languages)

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