CP-X10000
CP-WX11000
CP-SX12000

INNOVATE
The Future of Projection



PROFESSIONAL SERIES INSTALLATION PROJECTORS

Uncompromising quality, flexibility of installation and extended product life are features on offer with our Professional Series Installation Projectors. Life of the product is extended considerably with virtually maintenance free inorganic LCD panels and polarizer filters. A wide lens shift and a wide variety of optional lenses provide greater range of movement and projection distances. This series also boasts superb quality with an impressive contrast ratio of 2500:1 (with Iris), a 10-bit digital signal processor and a high quality scaler chip on board.

3LCD SUPER HYBRID FILTER HD ready HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE LAN

HITACHI
Inspire the Next

Already renowned for its reliability, Hitachi unveils its most reliable and flexible Professional Series Installation Projector yet.



CP-X10000	CP-WX11000	CP-SX12000
XGA (1024 x 768)	WXGA (1366 x 800)	SXGA+ (1400 x 1050)
7500 ANSI Lumens	6500 ANSI Lumens	7000 ANSI Lumens

Reliability

High Performance Filter
Each of the Professional Series Installation Projectors features a highly efficient dust-resistant cooling system. This dramatically boosts reliability, resulting in an air filter that delivers over 10,000 maintenance-free hours. With its long-life and easy maintenance enhancements, this projector is ideal for use in retail, digital signage and other environments where the projector is in constant use.

Easy Replacement
Easy side and rear access to key components simplifies maintenance when replacements are necessary.

Easy filter replacement



A side access panel allows for quick and easy filter replacement.

Easy lamp access

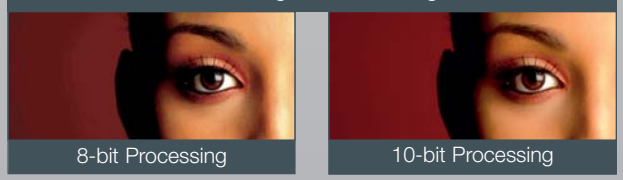


A rear access panel allows for quick and easy lamp replacement.

Performance

Heightened Picture Quality
Digital processing of the video signal is 10-bit from input to output, allowing smooth and natural graduations with 1024 shades of each RGB colour. In total, each model can create 1,074 billion colours. Additionally, with its on-board high performance chip and 2500:1 contrast ratio, picture quality is boosted even further.

10-bit Signal Processing



Inorganic LCD Panels
Each model utilises three inorganic LCD panels that offer more resistance to light. This translates to longer operating life and enables installation of a stronger light source, achieving a greater level of brightness. Double speed drive coupled with LCD panels not only offers improved picture quality, but higher contrast as well.

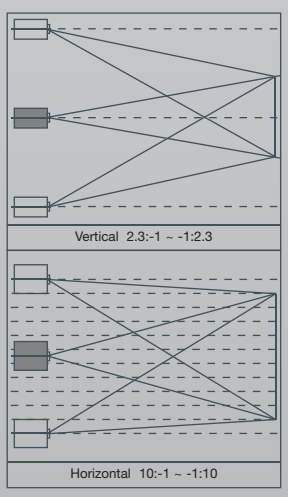
Connectivity
Every conceivable connectivity option is covered with 2 x 15-pin Mini-D-sub, 1 x BNC (shared with component), 1 x DVI-D, 1 x HDMI (Digital RGB) as well as an RJ-45 network socket.



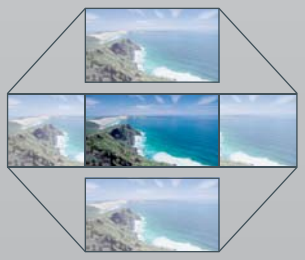
Installation

Wider lens shift
With Hitachi's lens shift technology, the image range of movement grows even wider. The projector can cover a total range of 2.7 screen areas vertically and 2.2 screen areas horizontally (it can shift up or down by 85% of the screen's height, and left or right by 60% of the screen's width). In auditoriums and convention halls with stationary screens, the projector can now be placed freely among any number of possible locations.

Wide lens shift WXGA model (CP-WX11000)



WXGA: Range of lens shift
Up and Down 3.5 screens.
Left and Right 2.2 screens.
Ultra short lens will be fixed at 1.1 screen at Up/Down/Left/Right



Brightness
The CP-X10000 projects at an impressive 7500 ANSI Lumens, providing sufficient performance in a variety of settings regardless of size or brightness.

Vertical projection
Images can be projected at 90 degrees up and down, opening up a whole new range of possible applications.

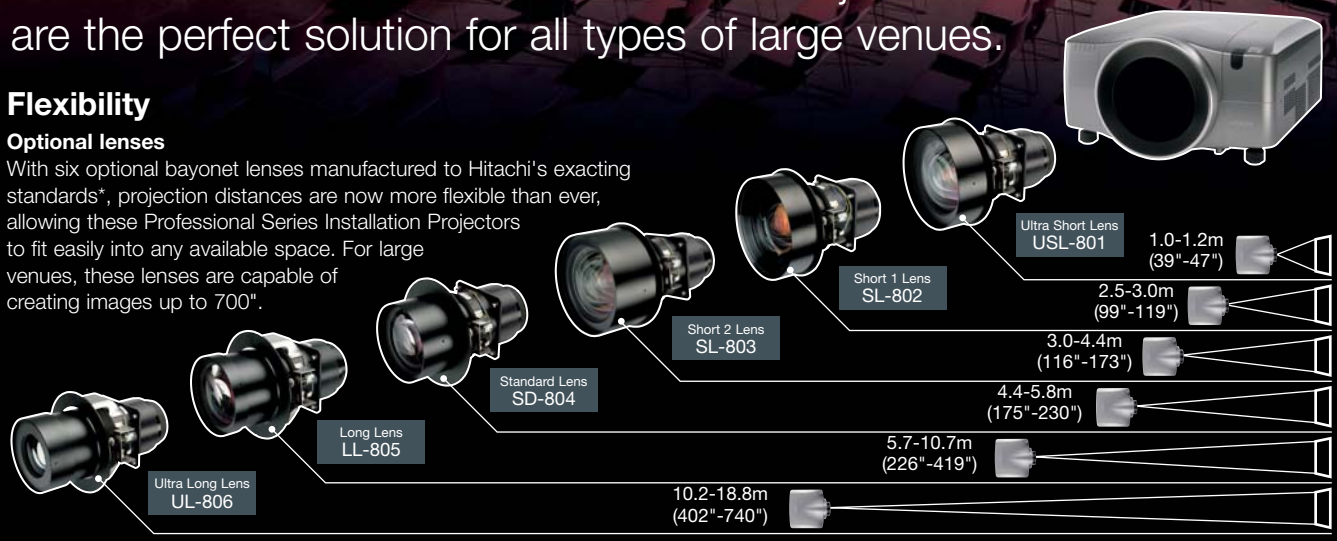


Hitachi's Professional Series Installation Projectors are the perfect solution for all types of large venues.

Flexibility

Optional lenses

With six optional bayonet lenses manufactured to Hitachi's exacting standards*, projection distances are now more flexible than ever, allowing these Professional Series Installation Projectors to fit easily into any available space. For large venues, these lenses are capable of creating images up to 700".



*If other lenses are used, Hitachi cannot guarantee 100% compatibility with the specification.

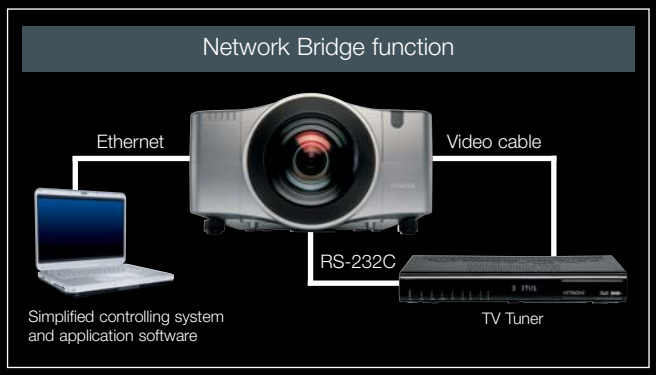
Projection distances for optional lenses when projecting on to a 100" screen.

Security

Each projector is equipped with a security bar that allows easy attachment of a security chain. In addition, all three models incorporate convenience, security and connectivity options including MyScreen, My Memory, My Button, resolution presets, blackboard whiteboard and daytime modes. MyScreen PIN-Lock, Kensington slot, transition detector and a security LED assist security.

Network Bridge function RS-232C

The Network Bridge function allows for commands to be transmitted via its LAN port to another device connected to the RS-232C output, such as an external TV Tuner or control panel. Not only does this simplify and reduce cabling and installation costs, but having individual RS-232C inputs and outputs allows you to daisy chain multiple Professional Series Installation Projectors together.



Other Features

Mechanical shutter

The shutter mechanically blocks off light, acting as a valuable tool for any presentations.

Remote control with ID change function

The accompanying remote control comes with four ID buttons. When operating multiple projectors, each ID can be changed, preventing malfunction. In addition, focus, zoom and lens shift can be adjusted via the remote control.



OSD Menu design

All models feature a new OSD menu with an intuitive interface and sophisticated design. Various functions are easily differentiated by icons, and a horizontal slide bar makes for easy operation.



Technical specifications

	CP-X10000	CP-WX11000 HD ready	CP-SX12000 HD ready
OPTICAL			
Panel	1.3" LCD panel	1.22" LCD panel	1.3" LCD panel
Resolution	XGA (1024 x 768)	WXGA (1366 x 800)	SXGA+ (1400 x 1050)
Brightness Normal Mode	7500 ANSI Lumens	6500 ANSI Lumens	7000 ANSI Lumens
Eco Mode	6000 ANSI Lumens	5200 ANSI Lumens	5600 ANSI Lumens
Contrast Ratio	2500:1	2500:1	2500:1
Lens	Lens is NOT included	Lens is NOT included	Lens is NOT included
Lamp	Single lamp system	Single lamp system	Single lamp system
Lamp Life	3000 hours (Normal Mode)/4000 hours (Eco Mode)	3000 hours (Normal Mode)/4000 hours (Eco Mode)	3000 hours (Normal Mode)/4000 hours (Eco Mode)
Number of Colours	10-bit signal processor, digital gamma 12-bit	10-bit signal processor, digital gamma 12-bit	10-bit signal processor, digital gamma 12-bit
COMPATIBILITY			
Computer Compatibility	up to UXGA (1600 x 1200) compressed	up to UXGA (1600 x 1200) compressed	up to UXGA (1600 x 1200) compressed
Video Compatibility	NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p(720p@60Hz), 1125i(1080i@50/60Hz), 1125p(1080p@50/60)	NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p(720p@60Hz), 1125i(1080i@50/60Hz), 1125p(1080p@50/60)	NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p(720p@60Hz), 1125i(1080i@50/60Hz), 1125p(1080p@50/60)
Plug & Play	DDC2B	DDC2B	DDC2B
FEATURES			
Basic features	Freeze, Magnifying, Blank, Quick on (4 Seconds), Direct power on, Auto adjustment, Search	Freeze, Magnifying, Blank, Quick on (4 Seconds), Direct power on, Auto adjustment, Search	Freeze, Magnifying, Blank, Quick on (4 Seconds), Direct power on, Auto adjustment, Search
Picture adjustments	Equalising Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	Equalising Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	Equalising Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction
Digital keystone	Vertical Auto, Horizontal Manual	Vertical Auto, Horizontal Manual	Vertical Auto, Horizontal Manual
Advanced features	MyScreen, My Memory, My Button, Blackboard/ Whiteboard mode, Daytime mode, Input source naming (English), Resolution setting, Resolution Preset and Customise, Template Function, IR Remote Frequency Change, Closed Captions, Source Skip, Picture by Picture	MyScreen, My Memory, My Button, Blackboard/ Whiteboard mode, Daytime mode, Input source naming (English), Resolution setting, Resolution Preset and Customise, Template Function, IR Remote Frequency Change, Closed Captions, Source Skip, Picture by Picture	MyScreen, My Memory, My Button, Blackboard/ Whiteboard mode, Daytime mode, Input source naming (English), Resolution setting, Resolution Preset and Customise, Template Function, IR Remote Frequency Change, Closed Captions, Source Skip, Picture by Picture
Other	Lamp door on back side, Quick ON, Direct ON, Direct Off, PIN-Lock, MyScreen PIN-Lock, Keypad Lock, Kensington slot, Transition Detector, My Text Password, Security LED	Lamp door on back side, Quick ON, Direct ON, Direct Off, PIN-Lock, MyScreen PIN-Lock, Keypad Lock, Kensington slot, Transition Detector, My Text Password, Security LED	Lamp door on back side, Quick ON, Direct ON, Direct Off, PIN-Lock, MyScreen PIN-Lock, Keypad Lock, Kensington slot, Transition Detector, My Text Password, Security LED
Security bar and security label	●	●	●
Serial label on side	●	●	●
OSD Languages	MENU: English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey, Danish, Czech, Arabian, Persian	MENU: English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey, Danish, Czech, Arabian, Persian	MENU: English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey, Danish, Czech, Arabian, Persian
CONNECTIONS			
Computer Input	2 x 15-pin Mini-D-sub 1 x BNC (shared with component) 1 x HDMI (Digital RGB) 1 x DVI-D	2 x 15-pin Mini-D-sub 1 x BNC (shared with component) 1 x HDMI (Digital RGB) 1 x DVI-D	2 x 15-pin Mini-D-sub 1 x BNC (shared with component) 1 x HDMI (Digital RGB) 1 x DVI-D
Monitor Output	1 x D-sub 15	1 x D-sub 15	1 x D-sub 15
Video Input	1 x Composite RCA jack 1 x S-Video jack 1 x Composite BNC 1 x Component BNC (shared with computer) 1 x Component RCA	1 x Composite RCA jack 1 x S-Video jack 1 x Composite BNC 1 x Component BNC (shared with computer) 1 x Component RCA	1 x Composite RCA jack 1 x S-Video jack 1 x Composite BNC 1 x Component BNC (shared with computer) 1 x Component RCA
Audio Input/Audio Output	-	-	-
Control	1 x Serial port IN/OUT for RS232C	1 x Serial port IN/OUT for RS232C	1 x Serial port IN/OUT for RS232C
Wired remote control	●	●	●
Wired network	1 x RJ-45	1 x RJ-45	1 x RJ-45
POWER			
Voltage	110V~120V, 220V-240V	110V~120V, 220V-240V	110V~120V, 220V-240V
Power consumption	540W	540W	540W
PHYSICAL			
Dimensions (W x H x D)	476 x 272 x 469mm (excluding feet and extrusions)	476 x 272 x 469mm (excluding feet and extrusions)	476 x 272 x 469mm (excluding feet and extrusions)
Weight	13.2Kg (No lens)	13.2Kg (No lens)	13.2Kg (No lens)
Noise Level	39dB (Normal Mode)/32dB (Eco Mode)	39dB (Normal Mode)/32dB (Eco Mode)	39dB (Normal Mode)/32dB (Eco Mode)
Air Filter	Super Hybrid (10,000 hours)	Super Hybrid (10,000 hours)	Super Hybrid (10,000 hours)
MISCELLANEOUS			
	Lamp, Temp, Standby, Shutter, Projection Image Ceiling Mount Image	Lamp, Temp, Standby, Shutter, Projection Image Ceiling Mount Image	Lamp, Temp, Standby, Shutter, Projection Image Ceiling Mount Image
ACCESSORIES SUPPLIED			
	Remote control with batteries, Computer cable, Power cord, User manual (detail & concise)	Remote control with batteries, Computer cable, Power cord, User manual (detail & concise)	Remote control with batteries, Computer cable, Power cord, User manual (detail & concise)
OPTIONAL ACCESSORIES			
Replacement Lamp	DT01001	DT01001	DT01001

OPTIONAL LENSES COMPARISON TABLE

Lens name			Ultra Short (USL-801)	Short 1 (SL-802)	Short 2 (SL-803)	Standard (SD-804)	Long (LL-805)	Ultra Long (UL-806)
Zoom ratio			1 : 1.2	1 : 1.2	1 : 1.5	1 : 1.3	1 : 1.8	1 : 1.8
Keystone correction	Up to	X/SX+	1 : 1	3.7 : -1 ~ -1 : 3.7				
	Down	WX	1 : 1	2.3 : -1 ~ -1 : 2.3				
	Left to	X/SX+	1 : 1	13 : -1 ~ -1 : 13				
	Right	WX	1 : 1	10.5 : -1 ~ -1 : 10.5				
Distance to screen width ratio			1 : 0.5 - 0.6	1 : 1.2 - 1.5	1 : 1.5 - 2.1	1 : 2.2 - 2.9	1 : 2.8 - 5.2	1 : 5.0 - 9.2
Image size (inches)			40~700	40~700	40~700	40~700	40~700	40~700
Image distance (m)	@ 40"		0.4 - 0.5	0.9 - 1.2	1.1 - 1.7	1.7 - 2.3	2.2 - 4.2	3.9 - 7.4
	@ 100"		1.0 - 1.2	2.5 - 3.0	3.0 - 4.4	4.4 - 5.8	5.7 - 10.7	10.2 - 18.8
	@ 700"		7.4 - 8.7	18.0 - 21.7	21.3 - 31.2	32.0 - 41.6	41.3 - 75.6	72.8 - 132.8
Lens length (mm)			241	246	276	251	258	286
Lens diameter (F) (mm)			176	176	176	134	134	134
Lens weight (Kg)			4.3	4.0	3.8	3.2	3.9	3.7

HITACHI DIGITAL MEDIA, Hitachi Europe Ltd, Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire SL6 8YA UNITED KINGDOM
Tel: +44 (0)1628 585 000 Fax: +44 (0)1628 585 500 www.hitachidigitalmedia.com

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CP-WX11000 Professional Series

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Video Conferencing
Rental & Staging
Sermon
Simulator



6,500 ANSI Lumens | 2500:1 Contrast | WXGA Resolution
10,000 Hour Longer Life Filter | Rich Connectivity | Longer Life (Inorganic Optics)
Lamp Eco Mode | Ultra Wide Range Lens Shift | 10 Bit Full Digital Video Processing
Network Bridge (RS-232 Pass Through) | Security Bar & Transition Detector
Network Control Maintenance and Security | Six Bayonet Style Lens Options
Picture by Picture | Mechanical Shutter for Blank Mode

Lens sold separately.

3LCD

CP-WX11000 Professional Series

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My Image / *Campus Notification System* CC Closed Captioning

Key Features

- 6,500 ANSI Lumens
- 2500:1 Contrast ratio
- Native WXGA Resolution 1366 dots x 800 lines
- 10,000 Hour Longer Life Filter
- Longer Life Inorganic Optics
- Rich Connectivity
- Picture by Picture
- Security Bar & Transition Detector
- Ultra Wide Range Lens Shift (3.5 screens Vertical shift) (2.2 screens Horizontal shift)
- 10 Bit Full Digital Video Processing
- Network Bridge (RS-232 Pass Through)
- Network Control Maintenance and Security
- Six Bayonet Style Lens Options*
- Mechanical Shutter for Blank Mode





Specifications

Model Name		CP-WX11000 Series
Liquid Crystal Panel Structure		1.3" Polysilicon Active-matrix TFT x 3
Number of Pixels		1,092,800 Pixels
Resolution	Video	540 TV lines
	RGB	1366 dots x 800 lines
Colors		1.074 billion colors
Aspect Ratio		Native 16:9 / 4:3 compatible
Lamp		350W UHB
Brightness		6,500 ANSI lumens
Expected lamp Life		Approximately 2,000 hours (normal) 3,000 hours (eco mode)
Contrast Ratio		2500:1 (using Active Iris)
Power Supply		AC100 - 120V / AC220 - 240V 50/60 Hz Power
Power Consumption		540W
Operating Temperature		5˚C - 35˚C (41˚F - 95˚F)
Input Signals	RGB	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC13", MAC16"
	Composite Video	NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL-N
	Component Video	480i, 576i, 480p, 720p, 1080i, 1080p
Acoustic Noise Level		40 dB (32 dB in whisper mode)
H-Sync		15 kHz - 106 kHz
V-Sync		50 kHz - 120 kHz
Vertical Keystone		+ / - 15˚
Horizontal Keystone		+ / - 5˚
Approvals		UL, C-UL, FCC, CE
RGB Input	Analog RGB	15-pin D-sub connector x 2, BNC Terminals x 1
RGB Output	RGB	15-pin D-sub connector x 1
Digital Input		HDMI x 1, DVI-D
Video Input	S-Video	Mini DIN 4-pin connector x 1
	Composite Video	RCA jack x 1, BNC x 1
	Component Video	RCA jack x 3 , BNC terminals (Share with Analog RGB)
Other		Wired Remote
Ethernet		RJ-45 port / 100 base-T
Control Terminals		9-pin D-sub connector x 2 (RS232C in/out)
Dimensions (W x D x H)		18.7" x 18.5" x 10.7"
Weight		28.9 lbs. (without lens)
Additional Features		Kensington Slot, Digital Gamma Correction, Whiteboard/Blackboard Mode, Input Source Naming, MyMemory / MyScreen / MyButtons, Wired Remote
Supplied Accessories		Remote Control, Batteries (AA), RGB cable, Power Cord, Multiple language operator / Safety Manual, Security Label
Lamp		CPX10000LAMP (DT01001)
Remote Control		HL02197
Filter		MU06351
Lenses Available		FL-801, SL-802, SL-803, SD-804, LL-805, UL-806



For sales information, please call 800.225.1741
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All specifications subject to change without notice. *Lens sold separately.

Lens Options

(Lens sold separately.)

Variety of Interchangeable Lenses

By making use of six types of optional lenses, projection onto a 100" screen can be achieved from a distance of anywhere from 1 to 19 meters, allowing the CP-WX11000 to fit easily into available space. Furthermore, in spacious areas such as auditoriums and convention halls it is capable of creating up to a 700" image.








USL-801	SL-802	SL-803	SD-804	LL-805	UL-806
Ultra Short Throw Lens	Short Throw Lens 1	Short Throw Lens 2	Standard Lens	Long Throw Lens	Ultra Long Throw Lens
F = 2.4 - 2.5	F = 2.8 - 2.9	F = 2.1 - 2.7	F = 1.6 - 2.1	F = 2.2 - 3.4	F = 2.3 - 3.5
f = 14 - 17mm	f = 34 - 41mm	f = 40 - 59mm	f = 60 - 78mm	f = 77 - 139mm	f = 136 - 247mm
Throw Distance	Throw Distance	Throw Distance	Throw Distance	Throw Distance	Throw Distance
Ratio = 0.5 - 0.6	Ratio = 1.2 - 1.5	Ratio = 1.5 - 2.2	Ratio = 2.2 - 2.9	Ratio = 2.8 - 5.2	Ratio = 5.0 - 9.2
8.8 lbs	9.7 lbs	10.6 lbs	7.1 lbs	8.2 lbs	9.9 lbs

Detailed Specifications

		USL-801	SL-802	SL-803	SD-804	LL-805	UL-806
Zoom Ratio		x 1.2	x 1.2	x 1.5	x 1.3	x 1.8	x 1.8
F Number		2.4 (Wide) - 2.5 (Tele)	2.5 (Wide) - 2.9 (Tele)	2.1 (Wide) - 2.7 (Tele)	1.6 (Wide) - 2.1 (Tele)	2.2 (Wide) - 3.4 (Tele)	2.3 (Wide) - 3.5 (Tele)
Focal Length		14mm (Wide) - 17mm (Tele)	34mm (Wide) - 41mm (Tele)	40mm (Wide) - 59mm (Tele)	60mm (Wide) - 78mm (Tele)	77mm (Wide) - 139mm (Tele)	136mm (Wide) - 247mm (Tele)
Lens Shift Position	**Vert**	1:1 Fixed	2.3:-1 - -1:2.3	2.3:-1 - -1:2.3	2.3:-1 - -1:2.3	2.3:-1 - -1:2.3	2.3:-1 - -1:2.3
	Horz	1:1 Fixed	10:-1 - -1:10	10:-1 - -1:10	10:-1 - -1:10	10:-1 - -1:10	10:-1 - -1:10
Focus Range		0.9' - 23.5'	2.5' - 58.1'	3.0' - 83.5'	4.4' - 111.4'	5.8' - 202.7'	10.4' - 355.9'
Dimensions		182mm x 241mm	188mm x 247mm	188mm x 276mm	182mm x 251mm	188mm x 260mm	188mm x 282mm
Weight		8.8 lbs	9.7 lbs	10.6 lbs	7.1 lbs	8.2 lbs	9.9 lbs
Supplied Accessories		Lens cap, Manuals, FB Adjust Pin, Large Hexagon Pin x 1, Small Hexagon Pin x 1,	Lens cap, Protector x 2, Blinder x 2, Manuals	Lens cap, Protector x 2, Blinder x 2, Manuals	Lens cap, Blind sheet, Manuals	Lens cap, Blind sheet, Manuals	Lens cap, Blind sheet, Manuals
Image Size		40" - 700"	40" - 700"	40" - 700"	40" - 700"	40" - 700"	40" - 700"

All specifications subject to change without notice. Lens sold separately.