


# PROJECTOR QUICK GUIDE

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\*1: A free replacement lamp will be issued if the original lamp is less than 6 months old and it has only been used for less than the hours stated (in Eco Mode) on the lamp warranty from the date of first use. \*2: A free replacement lamp will be issued if the original lamp is less than 3 years old and it has only been used for less than the hours stated (in Eco Mode) on the lamp warranty from the date of first use. Where a lamp fails and a replacement lamp is taken under warranty, the duration of the warranty for the replacement lamp shall be the remainder of the original warranty period only. The stated lamp and filter life refers to the average life expected in ideal operating conditions with usage in accordance with the manual. The majority of, but not all, filters and lamps should achieve these figures. \*3: Recommended focus distance is 1.5m (Tele)-6m (Wide). \*4: Projectors sold individually.



**Welcome to our 2016 range of advanced projectors. A range inspired by the desire to create the very best projection technology, built to meet the diverse requirements of business and education, designed to work in a variety of spaces and, of course, bring your ideas to life.**

To make it easy for you to find the right projector for you, we have put together this comprehensive, quick guide. Get ready to inspire.

<b>PORTABLE</b>	<b>05</b>
<b>MULTI-PURPOSE</b>	<b>07</b>
<b>SHORT THROW</b>	<b>11</b>
<b>ULTRA-SHORT THROW</b>	<b>13</b>
<b>EDUCATION</b>	<b>15</b>
<b>INSTALLATION</b>	<b>17</b>
<b>PROFESSIONAL</b>	<b>21</b>
<b>OPTIONAL LENSES</b>	<b>23</b>

# WHICH HITACHI PROJECTOR IS RIGHT FOR YOU?

## PORTABLE

Whether you are on the move or in an office, Hitachi's portable projectors are perfect for today's mobile professionals. They combine simple usability with powerful performance in a lightweight and compact design, enabling users to set up their presentations in seconds.



## SHORT THROW

Project large, bright images in tight spaces with Hitachi's Short Throw Projectors. These lightweight and compact projectors are perfect for small and medium sized meeting rooms. They are easy to install and flexible to use with optional wireless networking, providing an affordable solution for not only business settings, but education settings too.

## ULTRA-SHORT THROW

Hitachi Ultra-Short Throw projectors help you get the most out of your presentations. These lightweight and compact projectors offer the highest quality images with a compelling design and low cost of ownership.

You can project onto any existing whiteboard, wall or table top. They are also easy to install and flexible to use with optional wireless networking.



## INSTALLATION

Ideal for medium to large venues, our installation models deliver high performance, advanced networking capabilities and simple user functionality, making them a cost effective solution for a multitude of installation requirements.

## PROFESSIONAL

Uncompromising quality, flexibility of installation and extended product life are features on offer with our Professional Series Projectors. Life of the product is extended considerably with virtually maintenance free inorganic LCD panels and polarizer filters.



## EDUCATION

The new generation of Short Throw projectors have become an essential tool for anyone in the classroom. Hitachi is leading the way with continuous advances in interactivity, image quality, functionality, security and affordability. As you would expect, features like low noise, usability and durability are assured.

## MULTI-PURPOSE

Our Multi-Purpose range contains the finest features for business and education. Whichever model you choose, you'll find top-of-the range picture quality, security and networking, in a user-friendly package. Hitachi is dedicated to lowering costs and protecting the environment, so the range also features longer-life parts and energy-saving settings.



We know that no two presentations are the same, every lesson is unique. Applications can vary from large venues, underground stations and shop windows to university lecture theatres.

That's why our range is so innovative, technologically advanced and diverse. All you need to do is choose which one is right for you.




	CP-DX250
<b>OPTICAL</b>	
<b>Resolution</b>	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	2500 ANSI Lumens (Normal) / 2100 ANSI Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.55" (1.4cm) DLP
<b>Contrast Ratio</b>	2500:1
<b>Noise</b>	35dB (Normal) / 31dB (Eco)
<b>Lamp Life (Hours)*</b>	4500 hours (Normal) / 6000 hours (Eco)
<b>Display Size</b>	30 ~ 300" (76 ~ 762cm)
<b>Throw Distance</b>	1.0 - 8.0m *2
<b>Lens</b>	Manual focus, Manual zoom x1.1
<b>Keystone Correction</b>	11:-1 upward shift, fixed
<b>Distance to Width Ratio (:1)</b>	1.86 (Wide) - 2.04 (Tele)
<b>PHYSICAL</b>	
<b>Weight</b>	<2.2Kg
<b>Dimensions (W x H x D)</b>	265 x 81.5 x 223mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	235W / <0.5W (AC 220-240V)
<b>Speakers</b>	2W x 1 (mono)
<b>Filter*</b>	No
<b>CONNECTIONS</b>	
<b>Digital Input</b>	1 x HDMI (HDCP compatible)
<b>Computer Input</b>	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin mini D-sub
<b>Video Input</b>	2 x 15-pin Mini D-sub (shared with analogue Computer In 1 and analogue Computer In 2), 1 x RCA for composite, 1 x S-Video
<b>Audio Input</b>	1 x Stereo Mini Jack
<b>Audio Output</b>	1 x Stereo Mini Jack
<b>Control</b>	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	No / No
<b>PC-Less Presentation USB Type A</b>	No
<b>Mouse control USB Type B</b>	Yes
<b>Wired Remote Control</b>	No
<b>COMPATIBILITY</b>	
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 1125p(1080p@50/60), 750p(720p@50/60)
<b>ACCESSORIES INCLUDED</b>	
<b>Remote Control (with batteries)</b>	Remote control with battery (HL02961), Computer cable, Power cord, User manual (CD-ROM & printed sheet)
<b>Other</b>	Replacement lamp DT01461
<b>Replacement Lamp / Lamp Wattage</b>	DT01461 / 196W
<b>Projector/ Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

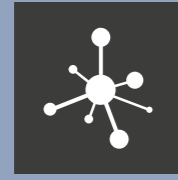
	CP-X2541WN	CP-EW250N	CP-DX301	CP-DH300
<b>Resolution</b>	XGA (1024 x 768)	WXGA (1280 x 800)	XGA (1024 x 768)	Full HD (1920 x 1080)
<b>Light Output (Brightness)</b>	2700 ANSI Lumens (Normal) / 2214 ANSI Lumens (Eco1) / 1809 ANSI Lumens (Eco2)	2500 ANSI Lumens (Normal) / 1700 ANSI Lumens (Eco)	3000 ANSI Lumens (Normal) / 2600 ANSI Lumens (Eco)	3000 ANSI Lumens (Normal) / 2500 ANSI Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFT x3	0.59" (1.5cm) P-Si TFT x3	0.55" (1.4cm) DLP	0.65" (1.65cm) DLP
<b>Contrast Ratio</b>	10000:1	2000:1	8000:1	2000:1
<b>Noise</b>	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	38dB (Normal) / 30dB (Eco)	33dB (Normal) / 29dB (Eco)	34dB (Normal) / 30dB (Eco)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 6000 hours (Eco)	4500 hours (Normal) / 6000 hours (Eco)	4000 hours (Normal) / 5000 hours (Eco)
<b>Display Size</b>	30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76cm ~ 762cm)	60 ~ 250" (152cm ~ 635cm)	30 ~ 300" (76 ~ 762cm)
<b>Throw Distance</b>	0.8 - 9.0m	0.9 - 11.5m	1.0 - 8.0m *2	0.8 - 10.0m
<b>Lens</b>	Manual focus, manual zoom x1.2	Manual focus, Manual zoom x1.2	Manual focus, Manual zoom x1.1	Manual focus, Manual zoom x1.3
<b>Keystone Correction</b>	6:1 upward shift, fixed	13:1 upward shift, fixed	Vertical 11:-1 upward shift	21:-1 upward shift, fixed
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 1.8 (Tele)	1.5 (Wide) - 1.8 (Tele)	1.96 (Wide) - 2.15 (Tele)	1.15 (Wide) - 1.5 (Tele)
<b>PHYSICAL</b>				
<b>Weight</b>	3.0Kg	3.0Kg	2.3Kg	<2.2kg
<b>Dimensions (W x H x D)</b>	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)	314.6 x 89.1 x 208mm (excluding feet and extrusions)	265 x 81.5 x 223mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	310W / <0.5W (AC 220-240V)	310W / <0.5W (AC 220-240V)	266W / <0.5W (AC 220-240V)	260W / <0.5W (AC 220-240V)
<b>Speakers</b>	16W x 1 (mono)	16W x 1 (mono)	2W x 1 (mono)	2W x 1 (mono)
<b>Filter*</b>	Unwoven (up to 5000 hours)	Urethane (up to 2000 hours)	No	No
<b>CONNECTIONS</b>				
<b>Digital Input</b>	2 x HDMI (HDCP compliant)	1 x HDMI (HDCP compatible)	1 x HDMI (HDCP compatible)	1 x HDMI
<b>Computer Input</b>	2 x Mini D-Sub 15-pin connector	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin mini D-sub	1 x 15-pin mini D-sub	1 x 15-pin mini D-sub	1 x 15-pin mini D-sub
<b>Video Input</b>	2 x 15-pin Mini D-sub, 1 x RCA connector	1 x 15-pin Mini D-sub, 1 x RCA for composite	2 x 15-pin Mini D-sub (shared with analogue Computer In 1 and analogue Computer In 2), 1 x RCA for composite, 1 x S-Video	2 x 15-pin Mini D-sub (shared with analogue Computer In 1 and analogue Computer In 2), 1 x RCA for composite, 1 x S-Video
<b>Audio Input</b>	2 x 3.5 mm stereo mini connector, 1 x RCA jack (L/R)	1 x pair RCA (L/R)	1 x Stereo Mini Jack	1 x Stereo Mini Jack
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x pair RCA (L/R)	1 x Stereo Mini Jack	1 x Stereo Mini Jack
<b>Control</b>	1 x 9-pin D-sub for RS-232C Control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	No / Yes	No / No	No / No
<b>PC-Less Presentation USB Type A</b>	Yes	No	No	No
<b>Mouse control USB Type B</b>	Yes	Yes	No	Yes
<b>Wired Remote Control</b>	No	No	No	No
<b>COMPATIBILITY</b>				
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / WSXGA+ / UXGA / WUXGA MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16" (Up to UXGA 60Hz)
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 1125p(1080p@50/60), 750p(720p@50/60)	480i, 480p, 576i, 576p
<b>ACCESSORIES INCLUDED</b>				
<b>Remote Control (with batteries)</b>	Remote control with batteries (HL02881), Computer cable, Power cord, User manual (detail & concise)	Remote control with batteries (HL02881), Computer cable, Power cord, User manual (detail & concise)	Power cord, Computer cable, Remote control with battery, User manual (CD-ROM & printed sheet)	Remote control with battery (HL02961), Computer cable, Power cord, User manual (CD-ROM & printed sheet)
<b>Other</b>	Replacement lamp DT01481, USB wireless adaptor USB-WL-11N	Replacement lamp DT01491	DT01851	Replacement lamp DT01463
<b>Replacement Lamp / Lamp Wattage</b>	DT01481 / 225W	DT01491 / 225W	DT01851 / 196W	DT01463 / 210W
<b>Projector/ Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

# 05 PORTABLE

Compact, lightweight and powerful, perfect for today's mobile professionals.



Lightweight



Digital connectivity

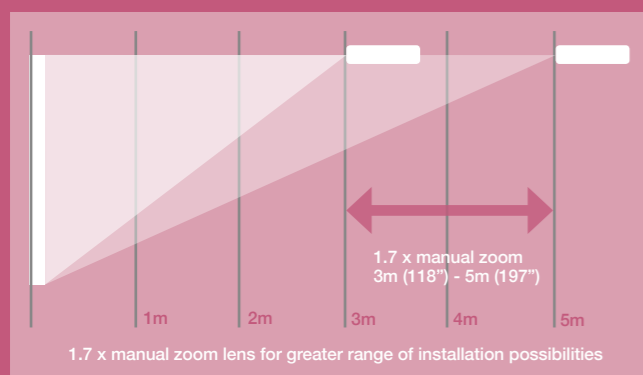
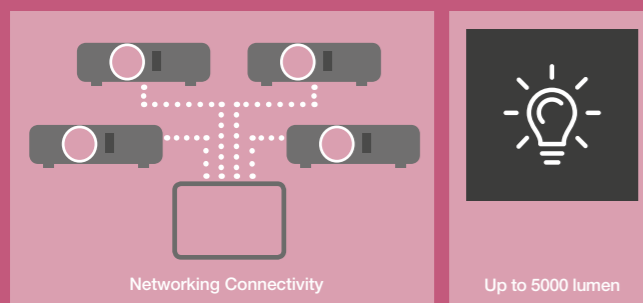


<b>OPTICAL</b>
<b>Resolution</b>
<b>Light Output (Brightness)</b>
<b>LCD Panel</b>
<b>Contrast Ratio</b>
<b>Noise</b>
<b>Lamp Life (Hours)*</b>
<b>Display Size</b>
<b>Throw Distance</b>
<b>Lens</b>
<b>Keystone Correction</b>
<b>Distance to width Ratio (:1)</b>
<b>PHYSICAL</b>
<b>Weight</b>
<b>Dimensions (W x H x D)</b>
<b>Power Consumption / Standby</b>
<b>Speakers</b>
<b>Filter*</b>
<b>CONNECTIONS</b>
<b>Digital Input</b>
<b>Computer Input</b>
<b>Computer Output</b>
<b>Video Input</b>
<b>Audio Input</b>
<b>Audio Output</b>
<b>Control</b>
<b>Wireless LAN/Wired LAN</b>
<b>PC-Less Presentation USB Type A</b>
<b>Mouse Control USB Type B</b>
<b>Wired Remote Control</b>
<b>COMPATIBILITY</b>
<b>Computer</b>
<b>Video</b>
<b>ACCESSORIES INCLUDED</b>
<b>Remote Control (with batteries)</b>
<b>Other</b>
<b>Replacement Lamp / Lamp Wattage</b>
<b>Projector / Lamp Warranty</b>

CP-EW301N	CP-X3041WN	CP-WX3041WN	CP-WX3541WN
WXGA (1280 x 800)	XGA (1024 x 768)	WXGA (1280 x 800)	WXGA (1280 x 800)
3000 Lumens (Normal) / 2460 Lumens (Eco1) / 2010 (Eco2)	3200 Lumens (Normal) / 2624 Lumens (Eco1) / 2144 Lumens (Eco2)	3000 Lumens (Normal) / 2460 Lumens (Eco1) / 2010 (Eco2)	3700 Lumens (Normal) / 3034 Lumens (Eco1) / 2479 (Eco2)
0.59" (1.5cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3	0.59" (1.5cm) P-Si TFT x 3	0.59" (1.5cm) P-Si TFT x 3
2000:1	10,000:1	10,000:1	10,000:1
37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)
5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)
30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76 ~ 762cm)
0.9 - 11.5m	0.8 - 10.8m	0.9 - 11.5m	0.9 - 11.6m
Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2
13:1 upward shift, fixed	Fixed 6:1 upward shift, Normal at + 10.3° ~ 8.6° projection angle	Fixed 13:1 upward shift, Normal at + 10.3° ~ 8.6° projection angle	Fixed 13:1 upward shift, Normal at + 10.3° ~ 8.6° projection angle
1.5 (Wide) - 1.8 (Tele)	1.5 (Wide - 1.8 (Tele)	1.5 (Wide) - 1.8 (Tele)	1.5 (Wide) - 1.8 (Tele)
3.0Kg	3.0Kg	3.0Kg	3.0Kg
320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)
310W / 0.5W at saving mode	310W / <0.5W (AC 220-240V)	310W / <0.5W (AC 220-240V)	310W / <0.5W (AC 220-240V)
16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)
Unwoven (up to 5000 hours)	Unwoven (up to 5000 hours)	Unwoven (up to 5000 hours)	Unwoven (up to 5000 hours)
1 x HDMI (HDCP compatible)	2 x HDMI (HDCP compliant)	2 x HDMI (HDCP compliant)	2 x HDMI (HDCP compliant)
2 x 15-pin Mini D-sub	2 x Mini D-Sub 15-pin connector	2 x Mini D-Sub 15-pin connector	2 x Mini D-Sub 15-pin connector
1 x 15-pin Mini D-sub	1 x Mini D-Sub 15-pin connector	1 x Mini D-Sub 15-pin connector	1 x Mini D-Sub 15-pin connector
1 x RCA for composite	1 x RCA connector	1 x RCA connector	1 x RCA connector
2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)	2 x 3.5 mm stereo mini connector 1 x RCA jack (L/R)	2 x 3.5 mm stereo mini connector 1 x RCA jack (L/R)	2 x 3.5 mm stereo mini connector 1 x RCA jack (L/R)
1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector
1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
No / Yes	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
No	Yes	Yes	Yes
Yes	Yes	Yes	Yes
No	No	No	No
IBM Compatibility VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"
525i(480i), 525p(480p), 625i(576i), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
HL03031	HL03031	HL03031	HL03031
Remote control HL03031	USB wireless adaptor USB-WL-11N	USB wireless adaptor USB-WL-11N	USB wireless adaptor USB-WL-11N
DT01481	DT01481	DT01481	DT01481
3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

# 07 MULTI-PURPOSE

Exceptional picture quality, security and networking in a user-friendly package.





	CP-EX401	CP-X4041WN
<b>OPTICAL</b>		
<b>Resolution</b>	XGA (1024 x 768)	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	4200 ANSI Lumens (Normal) / 3444 ANSI Lumens (Eco1) / 2814 ANSI Lumens (Eco2)	4200 Lumens (Normal) / 3444 Lumens (Eco1) / 2814 Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFTx3	0.63" (1.6cm) P-Si TFTx3
<b>Contrast Ratio</b>	2000:1	10,000:1
<b>Noise</b>	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)
<b>Display Size</b>	30 ~ 300" (76cm ~ 762cm)	30 ~ 300" (76 ~ 762cm)
<b>Throw Distance</b>	0.9m - 10.9m	0.9m - 10.9m
<b>Lens</b>	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.2
<b>Keystone Correction</b>	Fixed 6:1	6:1 upward shift, fixed
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 1.8 (Tele)	1.5 (Wide) - 1.8 (Tele)
<b>PHYSICAL</b>		
<b>Weight</b>	2.9Kg	3.0Kg
<b>Dimensions (W x H x D)</b>	320 x 85 x 245mm (excluding feet and extrusions)	320 x 85 x 245mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	300W / 0.5W at saving mode (AC 220-240V)	310W / <0.5W (AC 220-240V)
<b>Speakers</b>	1W x 1 (mono)	16W x 1 (mono)
<b>Filter*</b>	Unwoven (up to 5000 hours)	Unwoven (up to 5000 hours)
<b>CONNECTIONS</b>		
<b>Digital Input</b>	1 x HDMI (HDCP compatible)	2 x HDMI (HDCP compliant)
<b>Computer Input</b>	2 x 15-pin Mini D-sub	2 x Mini D-Sub 15-pin connector
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x Mini D-Sub 15-pin connector
<b>Video Input</b>	1 x RCA for composite	1 x RCA connector
<b>Audio Input</b>	1 x pair RCA (L/R)	2 x 3.5mm stereo mini connector 1 x RCA jack (L/R)
<b>Audio Output</b>	1 x pair RCA (L/R)	1 x 3.5mm stereo mini connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	No / No	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	No	Yes
<b>Mouse Control USB Type B</b>	No	Yes
<b>Wired Remote Control</b>	No	No
<b>COMPATIBILITY</b>		
<b>Computer</b>	IBM Compatibility VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>		
<b>Remote Control (with batteries)</b>	HLO3031	HLO3031
<b>Other</b>		USB wireless adaptor USB-WL-11N
<b>Replacement Lamp / Lamp Wattage</b>	DT01481	DT01481
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

	CP-WX4041WN	CP-WX4022WN	CP-X5022WN
<b>Resolution</b>	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	4000 Lumens (Normal) / 3280 Lumens (Eco1) / 2680 Lumens (Eco2)	4000 Lumens (Normal) / 2800 Lumens (Eco)	5000 Lumens (Normal) / 3500 Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.59" (1.5cm) P-Si TFT x 3	0.59" (1.5cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3
<b>Contrast Ratio</b>	10,000:1	3000:1	3000:1
<b>Noise</b>	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	35dB (Normal) / 29dB (Eco)	36dB (Normal) / 30dB (Eco)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	3000 hours (Normal) / 5000 hours (Eco)	3000 hours (Normal) / 5000 hours (Eco)
<b>Display Size</b>	30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76 ~ 762cm)	30 ~ 300" (76 ~ 762cm)
<b>Throw Distance</b>	0.9m - 11.6m	0.9m - 16.1m	0.9m - 15.1m
<b>Lens</b>	Manual focus, manual zoom x1.2	Manual focus, manual zoom x1.7	Manual focus, manual zoom x1.7
<b>Keystone Correction</b>	Fixed 13:1 upward shift, Normal at + 10.3° ~ 8.6° projection angle	11:-1~6:1 upward shift	10:1~4:1 upward shift
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 1.8 (Tele)	1.5 (Wide) - 2.5 (Tele)	1.5 (Wide) - 2.5 (Tele)
<b>PHYSICAL</b>			
<b>Weight</b>	3.0Kg	4.6Kg	4.6Kg
<b>Dimensions (W x H x D)</b>	320 x 85 x 245mm (excluding feet and extrusions)	401 x 103 x 318mm (excluding lens and feet)	401 x 103 x 318mm (excluding lens and feet)
<b>Power Consumption / Standby</b>	310W / <0.5W (AC 220-240V)	350W / <0.5W (AC 220-240V)	350W / <0.5W (AC 220-240V)
<b>Speakers</b>	16W x 1 (mono)	8W x 2 mono	8W x 2 mono
<b>Filter*</b>	Unwoven (up to 5000 hours)	Hybrid (up to 5000 hours)	Hybrid (up to 5000 hours)
<b>CONNECTIONS</b>			
<b>Digital Input</b>	2 x HDMI (HDCP compliant)	1 x HDMI	1 x HDMI
<b>Computer Input</b>	2 x Mini D-Sub 15-pin connector	1 x 15-pin mini D-sub, 5 x BNC	1 x 15-pin mini D-sub, 5 x BNC
<b>Computer Output</b>	1 x Mini D-Sub 15-pin connector	1 x 15-pin mini D-sub	1 x 15-pin mini D-sub
<b>Video Input</b>	1 x RCA connector	1 x RCA for composite, 3 x RCA for component, 1 x S-Video, 1 x 15-pin mini D-sub	1 x RCA for composite, 3 x RCA for component, 1 x S-Video, 1 x 15-pin mini D-sub
<b>Audio Input</b>	2 x 3.5mm stereo mini connector 1 x RCA jack (L/R)	2 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone jack (stereo mini)	2 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone jack (stereo mini)
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x pair RCA (L/R)	1 x pair RCA (L/R)
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes	Yes
<b>Wired Remote Control</b>	No	Yes	Yes
<b>COMPATIBILITY</b>			
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"	PC, VGA, SVGA, XGA, WXGA, SXGA, WXGA+, SXGA+, UXGA (compressed), MAC16"	PC, VGA, SVGA, XGA, WXGA, SXGA, WXGA+, SXGA+, UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	NTSC, PAL, SECAM, PAL-M/N, NTSC4.43	NTSC, PAL, SECAM, PAL-M/N, NTSC4.43
<b>ACCESSORIES INCLUDED</b>			
<b>Remote Control (with batteries)</b>	HLO3031	HLO2774	HLO2774
<b>Other</b>	USB wireless adaptor USB-WL-11N	Power cable, computer cable, user manual, lens cover, wireless USB adapter cover, application CD	Power cable, computer cable, user manual, lens cover, wireless USB adapter cover, application CD
<b>Replacement Lamp / Lamp Wattage</b>	DT01481	DT01171 / 245W (UHP)	DT01171 / 245W (UHP)
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** 5000 Hours (Eco)	3 Years / 6 Months** 5000 Hours (Eco)

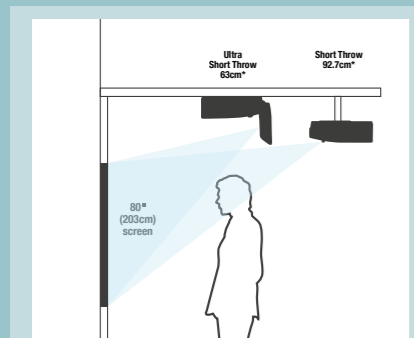


	CP-CW251WN	CP-CW301WN	CP-CX301WN
<b>OPTICAL</b>			
<b>Resolution</b>	WXGA (1280 x 800)	WXGA (1280 x 800)	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	2600 ANSI Lumens (Normal) / 2132 ANSI Lumens (Eco1) / 1742 ANSI Lumens (Eco2)	3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2)	3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2)
<b>Colour light output (colour brightness)</b>	2600 ANSI Lumens (Normal) / 2132 ANSI Lumens (Eco1) / 1742 ANSI Lumens (Eco2)	3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2)	3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.59" (1.5cm) P-Si TFTx3	0.59" (1.5cm) P-Si TFTx3	0.63" (1.6cm) P-Si TFTx3
<b>Contrast Ratio</b>	10,000:1	10,000:1	10,000:1
<b>Noise</b>	37db (Normal) / 32db (Eco1) / 29db (Eco2)	37db (Normal) / 32dB (Eco1) / 29dB (Eco2)	36db (Normal) / 32db (Eco1) / 29db (Eco2)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)
<b>Display Size</b>	60 ~ 150" (152 ~ 381cm)	60 ~ 150" (152 ~ 381cm)	60 ~ 150" (152 ~ 381cm)
<b>Throw Distance</b>	0.73m - 1.95m	0.73m - 1.95m	0.69m - 1.83m
<b>Lens</b>	Manual focus, digital zoom x1.35	Manual focus, digital zoom x1.35	Manual focus, digital zoom x1.35
<b>Keystone Correction</b>	Fixed 5.6:-1 upward shift, normal at +36.6° projection angle	Fixed 5.6:-1 upward shift, normal at +36.6° projection angle	Fixed 11.1:-1 upward shift, Normal at +36.6° projection angle
<b>Distance to Width Ratio (:1)</b>	0.6	0.6	0.6
<b>PHYSICAL</b>			
<b>Weight</b>	3.6Kg	3.6Kg	3.6Kg
<b>Dimensions (W x H x D)</b>	345 x 85 x 303mm (excluding feet and extrusions)	345 x 85 x 303mm (excluding feet and extrusions)	345 x 85 x 303mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	320W / <0.35W (AC 220-240V)	320W / <0.35W (AC 220-240V)	320W / <0.35W (AC 220-240V)
<b>Speakers</b>	16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)
<b>Filter*</b>	Hybrid (up to 5000 hours)	Hybrid (up to 5000 hours)	Hybrid (up to 4000 hours)
<b>CONNECTIONS</b>			
<b>Digital Input</b>	2 x HDMI (HDCP compliant)	2 x HDMI (HDCP compliant)	2 x HDMI (HDCP compliant)
<b>Computer Input</b>	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA connector	1 x RCA connector	1 x RCA connector
<b>Audio Input</b>	3.5mm stereo mini connector, 1 x pair RCA (L/R)	3.5mm stereo mini connector, 1 x pair RCA (L/R)	3.5mm stereo mini connector, 1 x pair RCA (L/R)
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes	Yes
<b>Wired Remote control</b>	No	No	No
<b>COMPATIBILITY</b>			
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed) MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>			
<b>Remote Control (with batteries)</b>	HL03035	HL03035	HL03035
<b>Other</b>	USB wireless adaptor USB-WL-11N	USB wireless adaptor USB-WL-11N	USB wireless adaptor USB-WL-11N
<b>Replacement Lamp / Lamp Wattage</b>	DT01511 / 225W	DT01511 / 225W	DT01511 / 225W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

<b>OPTICAL</b>
<b>Resolution</b>
<b>Light Output (Brightness)</b>
<b>Colour light output (colour brightness)</b>
<b>Liquid Crystal Panel Structure</b>
<b>Contrast Ratio</b>
<b>Noise</b>
<b>Lamp Life (Hours)*</b>
<b>Display Size</b>
<b>Throw Distance</b>
<b>Lens</b>
<b>Keystone Correction</b>
<b>Distance to Width Ratio (:1)</b>
<b>PHYSICAL</b>
<b>Weight</b>
<b>Dimensions (W x H x D)</b>
<b>Power Consumption / Standby</b>
<b>Speakers</b>
<b>Filter*</b>
<b>CONNECTIONS</b>
<b>Digital Input</b>
<b>Computer Input</b>
<b>Computer Output</b>
<b>Video Input</b>
<b>Audio Input</b>
<b>Audio Output</b>
<b>Control</b>
<b>Wireless LAN / Wired LAN</b>
<b>PC-Less Presentation USB Type A</b>
<b>Mouse Control USB Type B</b>
<b>Wired Remote control</b>
<b>COMPATIBILITY</b>
<b>Computer</b>
<b>Video</b>
<b>ACCESSORIES INCLUDED</b>
<b>Remote Control (with batteries)</b>
<b>Other</b>
<b>Replacement Lamp / Lamp Wattage</b>
<b>Projector / Lamp Warranty</b>

# 11 SHORT THROW

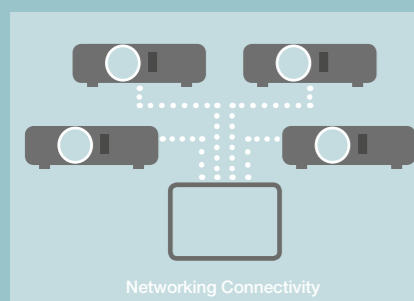
Compact, flexible to use, with the ability to project large, bright images in tight spaces.



Short Throw distance diagram



Low noise level



Networking Connectivity



	CP-AX3005
<b>OPTICAL</b>	
<b>Resolution</b>	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	3300 Lumens (Normal) / 2706 Lumens (Eco1) / 2244 Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFTx3
<b>Contrast Ratio</b>	10,000:1
<b>Noise</b>	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)
<b>Lamp Life (Hours)*</b>	4000 hours (Normal) / 5000 hours (Eco1) / 6000 hours (Eco2)
<b>Display Size</b>	60 ~ 100" (152 ~ 254cm)
<b>Throw Distance</b>	0.103m - 0.463m
<b>Lens</b>	Powered focus, digital zoom x1.35
<b>Keystone Correction</b>	Fixed 7.7:-1 upward shift
<b>Distance to Width Ratio (:1)</b>	0.3
<b>Interactive Features</b>	No
<b>PHYSICAL</b>	
<b>Weight</b>	4.3Kg
<b>Dimensions (W x H x D)</b>	377 x 136 x 360mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	350W / <0.35W (AC 220-240V)
<b>Speakers</b>	16W x 1 (mono)
<b>Filter*</b>	Hybrid (up to 4000 hours)
<b>CONNECTIONS</b>	
<b>Digital Input</b>	2 x HDMI
<b>Computer Input</b>	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA composite
<b>Audio Input</b>	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone
<b>Audio Output</b>	1 x 3.5mm stereo mini connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes
<b>Mouse Control USB Type B</b>	Yes
<b>Wired Remote Control</b>	No
<b>COMPATIBILITY</b>	
<b>Computer</b>	XGA
<b>Video</b>	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>	
<b>Remote Control (with batteries)</b>	HL03033
<b>Other</b>	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM03, TT-03 Table Top Kit for A7, Wall mount adaptor (XGA) HAS-WB01
<b>Replacement Lamp / Lamp Wattage</b>	DT01411 / 250W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

	CP-AX3505	CP-AW2505	CP-AW3005	CP-TW3005
<b>Resolution</b>	XGA (1024 x 768)	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
<b>Light Output (Brightness)</b>	3600 Lumens (Normal) / 2952 Lumens (Eco1) / 2448 Lumens (Eco2)	2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2)	3300 Lumens (Normal) / 2706 Lumens (Eco1) / 2244 Lumens (Eco2)	3300 Lumens (Normal) / 2706 Lumens (Eco1) / 2244 Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFTx3	0.59" (1.5cm) P-Si TFTx3	0.59" (1.5cm) P-Si TFTx3	0.59" aspect ratio 16:10
<b>Contrast Ratio</b>	10,000:1	10,000:1	10,000:1	10,000:1
<b>Noise</b>	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	34dB (Normal) / 32dB (Eco1) / 28dB (Eco2)	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)
<b>Lamp Life (Hours)*</b>	4000 hours (Normal) / 5000 hours (Eco1) / 6000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2)	4000 hours (Normal Mode) / 5000 hours (Eco1) / 6000 hours (Eco2)	4000 hours (Normal) / 5000 hours (Eco1) / 6000 hours (Eco2)
<b>Display Size</b>	60 ~ 100" (152 ~ 254cm)	60 ~ 100" (152 ~ 254cm)	60 ~ 100" (152 ~ 254cm)	60 ~ 100" (152 ~ 254cm)
<b>Throw Distance</b>	0.103m - 0.463m	0.126m - 0.41m	0.126m - 0.41m	0.126m - 0.41m
<b>Lens</b>	Powered focus, digital zoom x1.35	Powered focus, digital zoom x1.35	Powered focus, digital zoom x1.35	Powered focus, digital zoom x1.35
<b>Keystone Correction</b>	Fixed 7.7:-1 upward shift	Fixed 4.6:-1 upward shift	Fixed 4.6:-1 upward shift	Fixed 4.6:-1 upward shift
<b>Distance to Width Ratio (:1)</b>	0.3	0.3	0.3	0.3
<b>Interactive Features</b>	No	No	No	Up to 6pen / touch finger write (option), PC less interactive, Windows 8 multi touch operation with up to 6pen / touch (option)
<b>PHYSICAL</b>				
<b>Weight</b>	4.3Kg	4.3Kg	4.3Kg	<4.5Kg
<b>Dimensions (W x H x D)</b>	377 x 136 x 360mm (excluding feet and extrusions)	377 x 136 x 360mm (excluding feet and extrusions)	377 x 136 x 360mm (excluding feet and extrusions)	377 x 136 x 360mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	350W / <0.35W (AC 220-240V)	310W / <0.35W (AC 220-240V)	350W / <0.35W (AC 220-240V)	360W / <0.35W (AC 220-240V)
<b>Speakers</b>	16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)	16W x 1 (mono)
<b>Filter*</b>	Hybrid (up to 4000 hours)	Hybrid (up to 4000 hours)	Hybrid (up to 4000 hours)	Hybrid (up to 4000 hours)
<b>CONNECTIONS</b>				
<b>Digital Input</b>	2 x HDMI	2 x HDMI	2 x HDMI	2 x HDMI
<b>Computer Input</b>	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA composite	1 x RCA composite	1 x RCA composite	1 x RCA composite
<b>Audio Input</b>	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector	1 x 3.5mm stereo mini connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes	Yes	Yes
<b>Wired Remote Control</b>	No	No	No	No
<b>COMPATIBILITY</b>				
<b>Computer</b>	XGA	WXGA	WXGA	WXGA
<b>Video</b>	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>				
<b>Remote Control (with batteries)</b>	HL03033	HL03033	HL03033	HL03033
<b>Other</b>	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM03, TT-03 Table Top Kit for A7, Wall mount adaptor (XGA) HAS-WB01	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM05, TT-03 Table Top Kit for A7, Wall mount adaptor (WXGA) HAS-WB02	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM05, TT-03 Table Top Kit for A7, Wall mount adaptor Wall mount adaptor (WXGA) HAS-WB02	USB wireless adapter USB-WL-11N, Wall mount unit HAS-WM05, TT-03 Table Top Kit for A7, Wall mount adaptor Wall mount adaptor (WXGA) HAS-WB02
<b>Replacement Lamp / Lamp Wattage</b>	DT01411 / 250W	DT01511 / 225W	DT01411 / 250W	DT01411
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

# 13 ULTRA-SHORT THROW

These lightweight and compact projectors offer highest quality images in the tightest spaces.



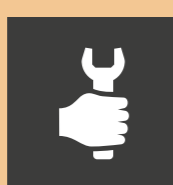
Fixed mirror



3x USB Type A and 2x HDMI digital connectivity



Finger Touch FT-01 Technology



Easy install & set up with powered focus and perfect fit

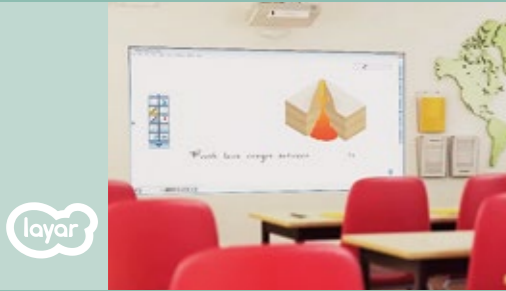




	CP-EX251N
<b>OPTICAL</b>	
<b>Resolution</b>	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	2700 ANSI Lumens (Normal) / 2214 ANSI Lumens (Eco1) / 1809 ANSI Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFT x 3
<b>Contrast Ratio</b>	2000:1
<b>Noise</b>	37dB (Normal) / 32dB(Eco1) / 29dB(Eco2)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)
<b>Display Size</b>	30 ~ 300" (76cm ~ 762cm)
<b>Throw Distance</b>	0.9 - 10.9m
<b>Lens</b>	Manual focus, manual zoom x1.2
<b>Keystone Correction</b>	6:1 upward shift, fixed
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 1.8 (Tele)
<b>Interactive Features</b>	No
<b>PHYSICAL</b>	
<b>Weight</b>	3.1Kg
<b>Dimensions (W x H x D)</b>	320 x 85 x 245mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	310W / 0.5W (AC 220-240V) at saving mode
<b>Speakers</b>	16W x 1 (mono)
<b>Filter*</b>	Unwoven
<b>CONNECTIONS</b>	
<b>Digital Input</b>	1 x HDMI (HDCP compatible)
<b>Computer Input</b>	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA for composite
<b>Audio Input</b>	2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)
<b>Audio Output</b>	1 x 3.5mm stereo mini connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	No / Yes
<b>PC-Less Presentation USB Type A</b>	No
<b>Mouse Control USB Type B</b>	Yes
<b>Wired Remote Control</b>	No
<b>COMPATIBILITY</b>	
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>	
<b>Remote Control (with batteries)</b>	HL03031
<b>Other</b>	Power cable, computer cable, user manual
<b>Replacement Lamp / Lamp Wattage</b>	DT01481 / 225W
<b>Projector / Lamp Warranty</b>	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)

	CP-EX301N	CP-CX251N
<b>OPTICAL</b>		
<b>Resolution</b>	XGA (1024 x 768)	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	3000 ANSI Lumens (Normal) / 2460 ANSI Lumens (Eco1) / 2010 ANSI Lumens (Eco2)	2500 ANSI Lumens (Normal) / 2050 ANSI Lumens (Eco1) / 1675 ANSI Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFT x 3	0.63" (1.6cm) P-Si TFT x 3
<b>Contrast Ratio</b>	2000:1	2000:1
<b>Noise</b>	37dB (Normal) / 32dB (Eco1) / 29dB (Eco2)	36dB (Normal) / 32dB (Eco1) / 29dB (Eco2)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 (Eco2)
<b>Display Size</b>	30 ~ 300" (76cm ~ 762cm)	60 ~ 100" (152 ~ 254cm)
<b>Throw Distance</b>	0.9 - 10.9m	0.691 - 1.838m
<b>Lens</b>	Manual focus, manual zoom x1.2	Manual focus, zoom: digital x1.35
<b>Keystone Correction</b>	6:1 upward shift, fixed	Fixed 11.1:-1 upward shift
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 1.8 (Tele)	0.6
<b>Interactive Features</b>	No	No
<b>PHYSICAL</b>		
<b>Weight</b>	3.1Kg	Approx. 3.4Kg
<b>Dimensions (W x H x D)</b>	320 x 85 x 245mm (excluding feet and extrusions)	345 x 85 x 303mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	310W / 0.5W (AC 220-240V) at saving mode	290W / <0.5W (AC 220-240V) at saving mode
<b>Speakers</b>	16W x 1 (mono)	1W x 1 (mono)
<b>Filter*</b>	Unwoven	Hybrid (up to 4000 hours)
<b>CONNECTIONS</b>		
<b>Digital Input</b>	1 x HDMI (HDCP compatible)	1 x HDMI (HDCP compatible)
<b>Computer Input</b>	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA for composite	1 x RCA connector
<b>Audio Input</b>	2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R)	RCA (L/R) connector x 1
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x RCA (L/R) connector
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	No / Yes	No / Yes
<b>PC-Less Presentation USB Type A</b>	No	No
<b>Mouse Control USB Type B</b>	Yes	Yes
<b>Wired Remote Control</b>	No	No
<b>COMPATIBILITY</b>		
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>		
<b>Remote Control (with batteries)</b>	HL03031	HL03035
<b>Other</b>	Power cable, computer cable, user manual	Power cable, computer cable, user manual, lens cover
<b>Replacement Lamp / Lamp Wattage</b>	DT01481 / 225W	DT01511 / 225W
<b>Projector / Lamp Warranty</b>	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)

	CP-AX2505	CP-TW2505
<b>OPTICAL</b>		
<b>Resolution</b>	XGA (1024 x 768)	WXGA (1280 x 800)
<b>Light Output (Brightness)</b>	2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2)	2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2)
<b>Liquid Crystal Panel Structure</b>	0.63" aspect ratio 4:3	0.59" aspect ratio 16:10
<b>Contrast Ratio</b>	10000:1	10000:1
<b>Noise</b>	34dB (Normal) / 32dB (Eco1) / 28dB (Eco2)	34dB (Normal) / 32dB (Eco1) / 28dB (Eco2)
<b>Lamp Life (Hours)*</b>	5000 hours (Normal) / 8000 hours (Eco1) / 10000 (Eco2)	5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2)
<b>Display Size</b>	60 ~ 100" (152 ~ 254cm)	60 ~ 100" (152 ~ 254cm)
<b>Throw Distance</b>	0.103m - 0.463m	0.126m - 0.41m
<b>Lens</b>	Powered focus, digital zoom x1.35	Powered focus, digital zoom x1.35
<b>Keystone Correction</b>	Fixed 7.7:-1 upward shift	Fixed 4.6:-1 upward shift
<b>Distance to Width Ratio (:1)</b>	0.3	0.3
<b>Interactive Features</b>	No	Up to 6pen / touch finger write (option), PC less interactive, Windows 8 multi touch operation with up to 6pen / touch (option)
<b>PHYSICAL</b>		
<b>Weight</b>	4.3Kg	<4.5Kg
<b>Dimensions (W x H x D)</b>	377 x 136 x 360mm (excluding feet and extrusions)	377 x 136 x 360mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	310W / <0.35W (AC 220-240V) at saving mode	330W / <0.35W (AC 220-240V) at saving mode
<b>Speakers</b>	16W x 1 (mono)	16W x 1 (mono)
<b>Filter*</b>	Hybrid (up to 4000 hours)	Hybrid (up to 4000 hours)
<b>CONNECTIONS</b>		
<b>Digital Input</b>	2 x HDMI	2 x HDMI
<b>Computer Input</b>	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x RCA composite	1 x RCA composite
<b>Audio Input</b>	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone	1 x stereo mini jack, 1 x pair RCA (L/R), 1 x microphone
<b>Audio Output</b>	1 x 3.5mm stereo mini connector	1 x stereo mini jack
<b>Control</b>	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes
<b>Wired Remote Control</b>	No	No
<b>COMPATIBILITY</b>		
<b>Computer</b>	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525(480p), 626i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>		
<b>Remote Control (with batteries)</b>	HL03033	HL03033
<b>Other</b>	USB wireless adaptor USB-WL-11N, Wall mount unit HAS-WM03 / HAS-WM05, TT-03 Table Top Kit for A7, Wall mount adaptor (XGA) HAS-WB01 / Wall mount adaptor (WXGA) HAS-WB02	Finger Touch Unit FT-01, USB wireless adaptor USB-WL-11N, Table top mount TT-03, Wall mount unit (WXGA) HAS-WM05, Wall mount adaptor (WXGA) HAS-WB02 Interactive pen I-PEN4
<b>Replacement Lamp / Lamp Wattage</b>	DT01511 / 225W	DT01511 / 225W
<b>Projector / Lamp Warranty</b>	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)	3 Years / 3 Years** (for education and extended warranties please contact your local dealer.)



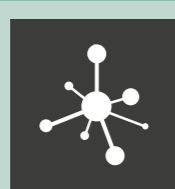
Download the Layar App and scan the image above to discover the features of our Education Range

# 15 EDUCATION

Leading the way with continuous advances in interactivity, image quality, functionality, security and affordability.



Simultaneous operation available for up to 6 persons



3x USB Type A and 2x HDMI digital connectivity



Table Top projection for interactive collaboration



Reduced maintenance with up to 10,000 hour lamp life



Starboard Software



Download the Layar App and scan the image above to discover the features of our Installation Range



# 17 INSTALLATION

High performance, advanced networking capabilities and simple user functionality.

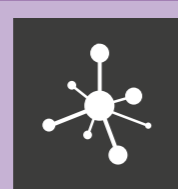


Bright Room HDR Off



Bright Room HDR On

Brilliant image quality whatever the lighting environment, with High Dynamic Contrast Range (HDR)



Digital connectivity including HDBaseT 2x HDMI, DVI and 3G DVI which can transfer 1080p signals up to 100m



Accentualizer OFF

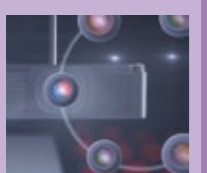


Accentualizer ON

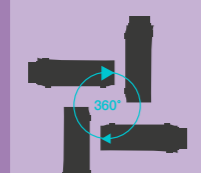
Accentualizer enhances sharpness, gloss and shade



Digital Connectivity with HDBaseT and 2xHDMI



Variety of interchangeable lenses



360° Projection



Motorized superior lens shift



	CP-X8150	CP-X8160	CP-X8170	CP-WX8240
<b>OPTICAL</b>				
<b>Resolution</b>	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	WXGA (1280 x 800)
<b>Light Output (Brightness)</b>	5000 ANSI Lumens (Normal) / 3400 ANSI Lumens (Eco)	6000 ANSI Lumens (Normal) / 4800 ANSI Lumens (Eco)	7000 ANSI Lumens (Normal) / 5600 ANSI Lumens (Eco)	4000 ANSI Lumens (Normal) / 2700 ANSI Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.63" (1.6cm) P-Si TFT x3	0.79" (2.0cm) P-Si TFT x3	0.79" (2.0cm) P-Si TFT x3	0.59" (1.5cm) P-Si TFT x3
<b>Contrast Ratio</b>	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)
<b>Noise</b>	35dB (Normal) / 29dB (Eco)	37dB (Normal) / 31dB (Eco)	39dB (Normal) / 33dB (Eco)	35dB (Normal) / 29dB (Eco)
<b>Lamp Life (Hours)*</b>	2500 Hours (Normal) / 4000 Hours (Eco)	2500 Hours (Normal) / 3000 Hours (Eco)	2000 hours (Normal) / 2500 hours (Eco)	2500 Hours (Normal) / 4000 Hours (Eco)
<b>Display Size</b>	30 ~ 600" (76 ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)
<b>Throw Distance</b>	0.9m - 27.5m (with standard lens:SL-702)	0.9m - 36.8m (with standard lens:ML-703)	0.9m - 36.8m (with standard lens:ML-703)	1.0m - 29.1m (with standard lens SL-702)
<b>Lens</b>	Powered focus, Powered Zoom x1.5	Powered focus, Powered Zoom x2.0	Powered Zoom x 2.0, Powered Focus	Powered focus, Powered Zoom x1.5
<b>Keystone Correction</b>	Vertical 9:-1 shift, Normal at + 17.8°~11.9° projection angle	Vertical 10:0 shift, Normal at + 14.2°~7.2° projection angle	Vertical 10:0 shift, Normal at + 14.2°~7.2° projection angle	Vertical 5:-1 shift, Normal at + 17.7°~11.9° projection angle
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 2.2 (Tele)	1.5 (Wide) - 3.0 (Tele)	1.5 (Wide) - 3.0 (Tele)	1.5 (Wide) - 2.2 (Tele)
<b>PHYSICAL</b>				
<b>Weight</b>	Approx. 8.4Kg	Approx. 8.7Kg	Approx. 8.7Kg	Approx. 8.4Kg
<b>Dimensions (W x H x D)</b>	498 x 135 x 396mm (excluding feet and extrusions)	498 x 135 x 396mm (excluding feet and extrusions)	498 x 135 x 396mm (excluding feet and extrusions)	498 x 135 x 396mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	355W / <0.35W (AC220-240V)	455W / <0.3W (AC220-240V)	480W / <0.35W (AC 220-240V)	355W / <0.35W (AC220-240V)
<b>Speakers</b>	2 x 8W (stereo)	2 x 8W (stereo)	No	2 x 8W (stereo)
<b>Filter*</b>	Hybrid (up to 15,000 hours)	Hybrid (up to 20,000 hours)	Hybrid (Up to 20,000 hours)	Hybrid (up to 15,000 hours)
<b>CONNECTIONS</b>				
<b>Digital Input</b>	2 x HDMI (HDCP Compliant)	2 x HDMI (HDCP Compliant)	2 x HDMI (HDCP Compliant)	2 x HDMI (HDCP Compliant)
<b>Computer Input</b>	1 x 15-pin Mini D-sub, 1 x BNC	1 x 15-pin Mini D-sub, 1 x BNC	1 x 15-pin Mini D-sub, 5 x BNC	1 x 15-pin Mini D-sub, 1 x BNC
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC
<b>Audio Input</b>	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)
<b>Audio Output</b>	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)
<b>Control</b>	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes	Yes	Yes
<b>Wired Remote Control</b>	Yes	Yes	Yes	Yes
<b>COMPATIBILITY</b>				
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>				
<b>Remote Control (with batteries)</b>	HL02801	HL02801	HL02801	HL02801
<b>Standard Lens</b>	SL-702	ML-703	ML-703	SL-702
<b>Other</b>	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1 ML-703 - Motorized - Middle throw lens, Zoom x2 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1 ML-703 - Motorized - Middle throw lens, Zoom x2 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7
<b>Replacement Lamp / Lamp Wattage</b>	DT01281 / 245W	DT01291 / 330W	DT01471 / 365W	DT01281 / 245W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)



	CP-WX8255	CP-WX8265
<b>OPTICAL</b>		
<b>Resolution</b>	WXGA (1280 x 800)	WXGA (1280 x 800)
<b>Light Output (Brightness)</b>	5500 ANSI Lumens (Normal) / 4400 ANSI Lumens (Eco)	6500 ANSI Lumens (Normal) / 5200 ANSI Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.75" (1.9cm) P-Si TFT x 3	0.75" (1.9cm) P-Si TFT x 3
<b>Contrast Ratio</b>	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)
<b>Noise</b>	37dB (Normal) / 31dB (Eco)	39dB (Normal) / 33dB (Eco)
<b>Lamp Life (Hours)*</b>	2500 Hours (Normal) / 3000 Hours (Eco)	2000 hours (Normal) / 2500 hours (Eco)
<b>Display Size</b>	30 ~ 600" (76 ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)
<b>Throw Distance</b>	1.0m - 39m (with standard lens ML-703)	1.0m - 39m (with standard lens ML-703)
<b>Lens</b>	Powered focus, Powered Zoom x2.0	Powered Zoom x 2.0, Powered Focus
<b>Keystone Correction</b>	Vertical 10:0 shift, Normal at + 14.4°~7.3° projection angle	Vertical 10:0 shift, Normal at + 14.4°~7.3° projection angle
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 3.0(Tele)	1.5 (Wide) - 3.0 (Tele)
<b>PHYSICAL</b>		
<b>Weight</b>	Approximately 8.7Kg	Approximately 8.8Kg
<b>Dimensions (W x H x D)</b>	498 x 135 x 396mm (excluding feet and extrusions)	498 x 135 x 396mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	455W / <0.35W (AC220-240V)	480W / <0.35W (AC 220-240V)
<b>Speakers</b>	2 x 8W (stereo)	No
<b>Filter*</b>	Hybrid (up to 20,000 hours)	Hybrid (Up to 20,000 hours)
<b>CONNECTIONS</b>		
<b>Digital Input</b>	2 x HDMI (HDCP Compliant)	2 x HDMI (HDCP Compliant)
<b>Computer Input</b>	1 x 15-pin Mini D-sub, 1 x BNC	1 x 15-pin Mini D-sub, 1 x BNC
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC
<b>Audio Input</b>	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)
<b>Audio Output</b>	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)
<b>Control</b>	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes
<b>Wired Remote Control</b>	Yes	Yes
<b>COMPATIBILITY</b>		
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, UXGA, MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>		
<b>Remote Control (with batteries)</b>	HL02801	HL02801
<b>Standard Lens</b>	ML-703	ML-703
<b>Other</b>	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1.5 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products T B-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1.5 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7
<b>Replacement Lamp / Lamp Wattage</b>	DT01291 / 330W	DT01471 / 365W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

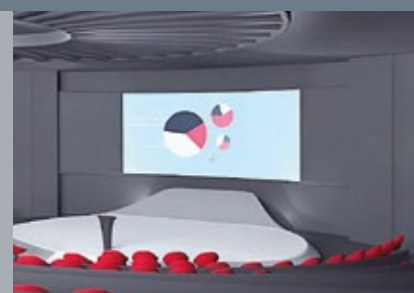
	CP-WU8440	CP-WU8451	CP-WU8461
<b>OPTICAL</b>			
<b>Resolution</b>	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
<b>Light Output (Brightness)</b>	4200 ANSI Lumens (Normal) / 2850 ANSI Lumens (Eco)	5000 ANSI Lumens (Normal) / 4000 ANSI Lumens (Eco)	6000 ANSI Lumens (Normal) / 4800 ANSI Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.76" (1.9cm) P-Si TFT x 3	0.76" (1.9cm) P-Si TFT x 3	0.76" (1.9cm) P-Si TFT x 3
<b>Contrast Ratio</b>	3000:1 (Presentation Mode)	5000:1	5000:1
<b>Noise</b>	35dB (Normal) / 29dB (Eco)	37dB (Normal) / 31dB (Eco)	39dB (normal) / 33dB (Eco)
<b>Lamp Life (Hours)*</b>	2500 Hours (Normal) / 4000 Hours (Eco)	2500 hours (Normal) / 3000 hours (Eco)	2000 hours (Normal) / 2500 hours (Eco)
<b>Display Size</b>	30 ~ 600" (76cm ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)	30 ~ 600" (76 ~ 1,524cm)
<b>Throw Distance</b>	1.0m - 38.3m (with standard lens ML-703)	1.0m - 38.3m (with standard lens ML-703)	1.0m - 38.3m (with standard lens ML-703)
<b>Lens</b>	Powered focus, Powered Zoom x2.0	Powered Zoom x 2.0, Powered Focus	Powered Zoom x 2.0, Powered Focus
<b>Keystone Correction</b>	Vertical 10:-1 shift, Normal at + 14.6°~7.4° projection angle	Vertical 10:0 shift, Normal at + 14.6° ~ 7.4° projection angle	Vertical 10:0 shift, Normal at + 14.6° ~ 7.4° projection angle
<b>Distance to Width Ratio (:1)</b>	1.5 (Wide) - 3.0(Tele)	1.5 (Wide) - 3.0 (Tele)	1.5 (Wide) - 3.0 (Tele)
<b>PHYSICAL</b>			
<b>Weight</b>	Approximately 8.7Kg	9.2Kg (with standard lens)	9.2Kg (with standard lens)
<b>Dimensions (W x H x D)</b>	498 x 135 x 396mm (excluding feet and extrusions)	498 x 135 x 396mm excluding feet and extrusions	498 x 135 x 396mm excluding feet and extrusions
<b>Power Consumption / Standby</b>	355W / <0.35W (AC220-240V)	Normal 480W / Standby 0.35W	Normal 520W / Standby 0.35W
<b>Speakers</b>	2 x 8W (stereo)	2 x 8W (stereo)	2 x 8W (stereo)
<b>Filter*</b>	Hybrid (up to 15,000 hours)	Hybrid (Up to 20,000 hours)	Hybrid (Up to 20,000 hours)
<b>CONNECTIONS</b>			
<b>Digital Input</b>	2 x HDMI (HDCP compliant)	2 x HDMI (HDCP Compliant)	2 x HDMI (HDCP Compliant)
<b>Computer Input</b>	1 x 15-pin Mini D-sub, 1 x BNC	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin D-sub	1 x 15-pin D-sub
<b>Video Input</b>	1x RCA for composite, 3 x RCA for component, 1 x S Video, 1 x 15-pin Mini D-Sub, 3 x BNC	1 x S-Video, 1 x RCA Composite Video, 3 x RCA Component Video, 1 x 15-pin Mini D-sub (shared with Computer in 1), 3 x BNC (shared with Computer in 2), 1 x RJ45 (HDBaseT)	1 x S-Video, 1 x RCA Composite Video, 3 x RCA Component Video, 1 x 15-pin Mini D-sub (shared with Computer in 1), 3 x BNC (shared with Computer in 2), 1 x RJ45 (HDBaseT)
<b>Audio Input</b>	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)
<b>Audio Output</b>	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)	2 x RCA Jack (L/R)
<b>Control</b>	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control	1 x 9-pin D-sub for RS232 control
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes	Yes
<b>Mouse Control USB Type B</b>	Yes	Yes	Yes
<b>Wired Remote Control</b>	Yes	Yes	Yes
<b>COMPATIBILITY</b>			
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, WUXGA, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA, MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA, MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>			
<b>Remote Control (with batteries)</b>	HL02801	HL02801	HL02801
<b>Standard Lens</b>	ML-703	ML-703	ML-703
<b>Other</b>	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1.5 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1.5 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7	USB wireless adaptor USB-WL-11N Solution products TB-1 wireless interactive tablet, IM-1P interactive camera unit, MS-1WL wireless multi-functional switcher, MS-1 multi-functional switcher <b>Optional lenses</b> FL-701 - Motorized (focus only) - Fixed lens, Zoom x1.5 SL-702 - Motorized - Short Throw Lens, Zoom x1.5 LL-704 - Motorized - Long throw lens, Zoom x1.7 UL-705 - Motorized - Ultra long throw lens, Zoom x1.7
<b>Replacement Lamp / Lamp Wattage</b>	DT01281 / 245W	DT01291 / 330W	DT01471 / 365W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)



	CP-WU9410/9411
<b>OPTICAL</b>	
<b>Resolution</b>	WUXGA (1920 x 1200)
<b>Light Output (Brightness)</b>	8500 Lumens
<b>Liquid Crystal Panel Structure</b>	0.67" (17mm) DLP® x 1
<b>Contrast Ratio</b>	2500:1
<b>Noise</b>	36dB (Normal) / 29dB (Eco)
<b>Lamp Life (Hours)*</b>	2000 hours (Normal) / 4000 hours (Eco)
<b>Display Size</b>	50 ~ 600" (127 ~ 1524cm)
<b>Throw Distance</b>	2.8m - 26.6m (Standard lens: SD903W)
<b>Lens</b>	Lens not supplied (see optional lenses)
<b>Keystone Correction</b>	Vertical 11:-1 shift (with SD-903W lens)
<b>Distance to Width Ratio (:1)</b>	1.6~2.4
<b>PHYSICAL</b>	
<b>Weight</b>	16.6Kg (excluding lens)
<b>Dimensions (W x H x D)</b>	537 x 170 x 438mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	990W / <0.5W (AC 220~240V)
<b>Speakers</b>	No
<b>Filter*</b>	Hybrid (up to 15,000 hours)
<b>CONNECTIONS</b>	
<b>Digital Input</b>	2 x HDMI
<b>Computer Input</b>	1 x 15-pin Mini D-sub, 1 x BNC
<b>Computer Output</b>	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT)
<b>Audio Input</b>	No
<b>Audio Output</b>	No
<b>Control</b>	1 x 9-pin D-sub for RS-232C
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes
<b>Mouse Control USB Type B</b>	No
<b>Wired Remote Control</b>	Yes
<b>COMPATIBILITY</b>	
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>ACCESSORIES INCLUDED</b>	
<b>Remote Control (with batteries)</b>	HL02803
<b>Other</b>	<b>Lenses</b> FL-900 (Ultra short throw lens), USL-901 (ultra short throw lens), SL-902 (short throw lens), SD-903X (standard lens for CP-X9110), SD-903W (standard lens for CP-WX9210/CP-WU9410), ML-904 (middle throw lens), LL-905 (long throw lens), UL-906 (ultra long throw lens)
<b>Replacement Lamp / Lamp Wattage</b>	DT01581 / 370W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

	CP-WX9210	CP-X9110
<b>Resolution</b>	WXGA (1280 x 800)	XGA (1024 x 768)
<b>Light Output (Brightness)</b>	8500 Lumens	10000 Lumens
<b>Liquid Crystal Panel Structure</b>	0.65" (16mm) DLP® x 1	0.7" (18mm) DLP® x 1
<b>Contrast Ratio</b>	2500:1	2000:1
<b>Noise</b>	36dB (Normal) / 29dB (Eco)	36dB (Normal) / 29dB (Eco)
<b>Lamp Life (Hours)*</b>	2000 hours (Normal) / 4000 hours (Eco)	2000 hours (Normal) / 4000 hours (Eco)
<b>Display Size</b>	50 ~ 600" (127 ~ 1524cm)	50 ~ 600" (127 ~ 1524cm)
<b>Throw Distance</b>	3.0m - 28.0m (Standard lens: SD-903W)	3.5m - 26.0m (Standard lens: SD-903X)
<b>Lens</b>	Lens not supplied (see optional lenses)	Lens not supplied (see optional lenses)
<b>Keystone Correction</b>	Vertical 11:-1 shift (with SD-903W lens)	Vertical 11:-1 shift (with SD-903X lens)
<b>Distance to Width Ratio (:1)</b>	1.7~2.6	1.7~2.5
<b>Weight</b>	16.6Kg (excluding lens)	16.6Kg (excluding lens)
<b>Dimensions (W x H x D)</b>	537 x 170 x 438mm (excluding feet and extrusions)	537 x 170 x 438mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	990W / <0.5W (AC 220~240V)	990W / <0.5W (AC 220~240V)
<b>Speakers</b>	No	No
<b>Filter*</b>	Hybrid (up to 15,000 hours)	Hybrid (up to 15,000 hours)
<b>Digital Input</b>	2 x HDMI	2 x HDMI
<b>Computer Input</b>	1 x 15-pin Mini D-sub, 1 x BNC	1 x 15-pin Mini D-sub, 1 x BNC
<b>Computer Output</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
<b>Video Input</b>	1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT)	1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT)
<b>Audio Input</b>	No	No
<b>Audio Output</b>	No	No
<b>Control</b>	1 x 9-pin D-sub for RS-232C	1 x 9-pin D-sub for RS-232C
<b>Wireless LAN / Wired LAN</b>	Yes (optional) / Yes	Yes (optional) / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	Yes
<b>Mouse Control USB Type B</b>	No	No
<b>Wired Remote Control</b>	Yes	Yes
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16"	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>Remote Control (with batteries)</b>	HL02803	HL02803
<b>Other</b>	<b>Lenses</b> FL-900 (Ultra short throw lens), USL-901 (ultra short throw lens), SL-902 (short throw lens), SD-903X (standard lens for CP-X9110), SD-903W (standard lens for CP-WX9210/CP-WU9410), ML-904 (middle throw lens), LL-905 (long throw lens), UL-906 (ultra long throw lens)	<b>Lenses</b> FL-900 (Ultra short throw lens), USL-901 (ultra short throw lens), SL-902 (short throw lens), SD-903X (standard lens for CP-X9110), SD-903W (standard lens for CP-WX9210/CP-WU9410), ML-904 (middle throw lens), LL-905 (long throw lens), UL-906 (ultra long throw lens)
<b>Replacement Lamp / Lamp Wattage</b>	DT01581 / 370W	DT01581 / 370W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)

	CP-HD9320/9321	CP-WU13K
<b>Resolution</b>	1920 x 1080	1920 x 1200
<b>Light Output (Brightness)</b>	8200 Lumens	13000 Lumens (Normal) / 10060 Lumens (Eco)
<b>Liquid Crystal Panel Structure</b>	0.65" DLP® chip x 1	0.96" (2.4cm) DMD x 3
<b>Contrast Ratio</b>	2500:1 (Theatre Mode)	2000:1
<b>Noise</b>	36dB (Normal) / 29dB (Eco)	46dB (Normal) / 42dB (Eco)
<b>Lamp Life (Hours)*</b>	2000 hours (Normal) / 4000 hours (Eco)	2000 hours (Normal) / 2500 hours (Eco)
<b>Display Size</b>	50 ~ 600" (127 ~ 1524cm)	100 ~ 400" (254 ~ 1016cm) (Standard lens: ML-K04)
<b>Throw Distance</b>	2.9m - 27.4m (Standard lens: SD-903W)	4.0m~24m (Standard lens: ML-K04)
<b>Lens</b>	Lens not supplied (see optional lenses)	Lens not supplied (see optional lenses)
<b>Keystone Correction</b>	Vertical 11:-1 shift (with SD-903W lens)	Vertical ±20°, Horizontal ±35°
<b>Distance to Width Ratio (:1)</b>	1.96 - 2.15	1.87~2.56 (Standard lens: ML-K04)
<b>Weight</b>	Approx. 16.6Kg (excluding lens)	34Kg (excluding lens)
<b>Dimensions (W x H x D)</b>	537mm x 170mm x 438mm (excluding lens and protruding part)	500 x 633 x 270mm (excluding feet and extrusions)
<b>Power Consumption / Standby</b>	AC110-120V:1060W / AC220-240V:990W	1250W / <3W (220V AC / 5.3A)
<b>Speakers</b>	No	No
<b>Filter*</b>	Hybrid (up to 15,000 hours)	Hybrid (up to 1000 hours)
<b>Digital Input</b>	2 x HDMI	2 x HDMI (HDCP compatible), 1 x 3D DVI, 1 x SDI
<b>Computer Input</b>	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub, 1 x 5 BNC
<b>Computer Output</b>	1 x 15-pin Mini D-sub	No
<b>Video Input</b>	1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT)	1 x 3 RCA, 1 x 15-pin Mini D-sub, 1 x 5 BNC
<b>Audio Input</b>	No	No
<b>Audio Output</b>	No	No
<b>Control</b>	1 x D-sub 9-pin connector	1 x 9-pin D-sub for RS-232C
<b>Wireless LAN / Wired LAN</b>	No / Yes	No / Yes
<b>PC-Less Presentation USB Type A</b>	Yes	No
<b>Mouse Control USB Type B</b>	No	Yes
<b>Wired Remote Control</b>	Yes	No
<b>Computer</b>	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16"	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA, MAC16"
<b>Video</b>	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)
<b>Remote Control (with batteries)</b>	HL02803	HL03051
<b>Other</b>	<b>Lenses</b> FL-900 (Ultra short throw lens), USL-901 (Ultra Short Throw Lens), SL-902 (Short Throw Lens), SD-903X (Standard Lens), SD-903W (Standard Lens), ML-904 (Middle Throw Lens), LL-905 (Long Throw Lens), UL-906 (Ultra Long Throw Lens), USB Wireless Adapter USB-WL-11N	<b>Lenses</b> FL-K01 (Ultra short throw lens), FL-K02 (Short throw lens), SL-K03 (Short throw zoom lens), ML-K04 (Standard zoom lens), LL-K05 (Long throw zoom lens), UL-K06 (Ultra long throw zoom lens)
<b>Replacement Lamp / Lamp Wattage</b>	DT01731 / 365W	DT01591 / 465W
<b>Projector / Lamp Warranty</b>	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)	3 Years / 6 Months** (for education and extended warranties please contact your local dealer.)



Bright Room HDR Off



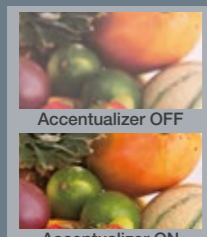
Bright Room HDR On

Brilliant image quality whatever the lighting environment, with High Dynamic Contrast Range (HDCR)

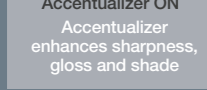
Download the Layar App and scan the image above to discover the features of our Professional Range

# 21 PROFESSIONAL

Uncompromising quality, reliability, flexibility of installation and extended life.



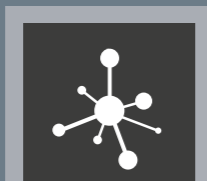
Accentualizer OFF



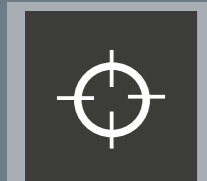
Accentualizer ON  
Accentualizer enhances sharpness, gloss and shade



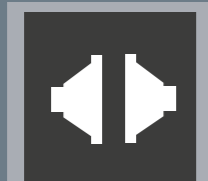
Variety of interchangeable lenses



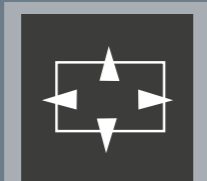
Digital connectivity including HDBaseT 2x HDMI, DVI and 3G DVI which can transfer 1080p signals up to 100m



Powered focus and perfect fit with remote control



Dual Lamp



Motorized superior lens shift



Built-in Edge Blending and Warping



Built-in dual colour wheel



Download the Layar App and scan the image above to discover the features of our new FL-900 UST lens.


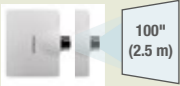








### 9000 SERIES INTERCHANGEABLE LENS OPTIONS

## 23 OPTIONAL LENSES


We offer a range of interchangeable lens options, so you can choose the lens that is right for you.

				<b>PROJECTION DISTANCE</b> FOR 100" SCREEN (FULL SCREEN) (PROJECTOR'S FRONT PANEL TO SCREEN)	<b>THROW RATIO</b>	<b>PROJECTION DISTANCES FOR OPTIONAL LENSES</b> WHEN PROJECTING ONTO A 100" (2.5M) SCREEN
<b>USL-901</b>	Ultra short throw lens Zoom: x1.3		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210 CP-X9110	1.8 ~ 2.2m (69" ~ 86") 1.7 ~ 2.1m (67" ~ 84") 1.8 ~ 2.2m (71" ~ 88") 1.7 ~ 2.1m (66" ~ 82")	0.8 ~ 1.0 0.8 ~ 1.0 0.8 ~ 1.0 0.8 ~ 1.0	
<b>SL-902</b>	Short throw lens Zoom: x1.5		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210 CP-X9110	2.6 ~ 3.9m (103" ~ 153") 2.5 ~ 3.8m (100" ~ 149") 2.7 ~ 4.0m (105" ~ 156") 2.5 ~ 3.7m (98" ~ 146")	1.1 ~ 1.7 1.1 ~ 1.7 1.2 ~ 1.8 1.2 ~ 1.8	
<b>SD-903W</b>	Standard lens Zoom: x1.5		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210	3.6 ~ 5.5m (143" ~ 215") 3.5 ~ 5.3m (140" ~ 209") 3.7 ~ 5.6m (147" ~ 220")	1.6 ~ 2.4 1.6 ~ 2.4 1.7 ~ 2.6	
<b>SD-903X</b>	Standard lens Zoom: x1.5		CP-X9110	3.5 ~ 5.2m (136" ~ 205")	1.7 ~ 2.5	
<b>ML-904</b>	Middle throw lens Zoom: x1.5		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210 CP-X9110	5.4 ~ 8.2m (211" ~ 322") 5.2 ~ 7.9m (205" ~ 313") 5.5 ~ 8.3m (216" ~ 329") 5.1 ~ 7.8m (200" ~ 306")	2.4 ~ 3.6 2.4 ~ 3.6 2.5 ~ 3.8 2.5 ~ 3.8	
<b>LL-905</b>	Long throw lens Zoom: x1.6		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210 CP-X9110	7.8 ~ 12.6m (307" ~ 495") 7.6 ~ 12.2m (298" ~ 482") 8.0 ~ 12.9m (314" ~ 506") 7.4 ~ 12.0m (291" ~ 471")	3.5 ~ 5.6 3.5 ~ 5.6 3.7 ~ 5.9 3.6 ~ 5.8	
<b>UL-906</b>	Ultra long throw lens Zoom: x1.6		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210 CP-X9110	12.3 ~ 19.5m (485" ~ 769") 12.0 ~ 19.0m (472" ~ 749") 12.6 ~ 20.0m (496" ~ 786") 11.7 ~ 18.6m (462" ~ 732")	5.5 ~ 8.8 5.5 ~ 8.8 5.8 ~ 9.2 5.7 ~ 9.1	
<b>FL-900</b>	Ultra short throw lens Zoom: x1.6		CP-HD9320 / 9321 CP-WU9410 / 9411 CP-WX9210	0.83m ~ 2.73m (32" ~ 107") 0.85m ~ 2.80m (33" ~ 110") 0.87m ~ 2.86m (34" ~ 113") 0.82m ~ 2.67m (32" ~ 105")	0.39 0.38 0.40 0.40	

## 8000 SERIES INTERCHANGEABLE LENS OPTIONS

LENS				PROJECTION DISTANCE FOR 100" SCREEN (FULL SCREEN) (PROJECTOR'S FRONT PANEL TO SCREEN)	THROW RATIO	PROJECTION DISTANCES FOR OPTIONAL LENSES WHEN PROJECTING ONTO A 100" (2.5M) SCREEN
<b>FL-701</b>	Ultra short throw lens Zoom: Fixed (Lens shift not available)		CP-X8170, CP-X8160 CP-WU8451, CPWU8461, CP-WU8440, CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	1.7m (67") 1.7m (69") 1.8m (71") 2.1m (83") 2.2m (88")	0.8 0.8 0.8 1.0 1.0	
<b>SL-702</b>	Short throw lens Zoom: x1.5		CP-X8170, CP-X8160 CP-WU8451, CPWU8461, CP-WU8440, CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	2.5m ~ 3.7m (97" ~ 145") 2.5m ~ 3.8m (100" ~ 151") 2.6m ~ 3.9m (102" ~ 154") 3.1m ~ 4.6m (120" ~ 181") 3.2m ~ 4.9m (127" ~ 192")	1.2 / 1.8 1.2 / 1.8 1.2 / 1.8 1.5 / 2.2 1.5 / 2.2	
<b>ML-703</b>	Middle throw lens Zoom: x2.0		CP-X8170, CP-X8160 CP-WU8451, CPWU8461, CP-WU8440, CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	3.1m ~ 6.2m (122" ~ 242") 3.2m ~ 6.4m (127" ~ 252") 3.3m ~ 6.5m (129" ~ 257") 3.9m ~ 7.7m (153" ~ 303") 4.1m ~ 8.1m (162" ~ 321")	1.5 / 3.0 1.5 / 2.9 1.5 / 3.0 1.9 / 3.8 1.9 / 3.8	
<b>LL-704</b>	Long throw lens Zoom: x1.7		CP-X8170, CP-X8160 CP-WU8451, CPWU8461, CP-WU8440, CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	5.9m ~ 10.0m (231" ~ 392") 6.1m ~ 10.3m (240" ~ 407") 6.2m ~ 10.5m (244" ~ 415") 7.3m ~ 12.4m (288" ~ 490") 7.8m ~ 13.2m (305" ~ 520")	2.8 / 4.9 2.8 / 4.9 2.8 / 4.9 3.6 / 6.1 3.6 / 6.1	
<b>UL-705</b>	Ultra long throw lens Zoom: x1.7		CP-X8170, CP-X8160 CP-WU8451, CPWU8461, CP-WU8440, CP-WX8265, CP-WX8255 CP-X8150 CP-WX8240	10.0m ~ 16.9m (393" ~ 667") 10.3m ~ 17.6m (393" ~ 667") 10.5m ~ 17.9m (415" ~ 705") 12.4m ~ 21.1m (487" ~ 830") 13.1m ~ 22.3m (516" ~ 879")	4.9 / 8.3 4.9 / 8.3 4.9 / 8.3 6.0 / 10.3 6.0 / 10.3	

## CP-WU13K INTERCHANGEABLE LENS OPTIONS

LENS			PROJECTION DISTANCE FOR 100" SCREEN (FULL SCREEN) (PROJECTOR'S FRONT PANEL TO SCREEN)	THROW RATIO	PROJECTION DISTANCES FOR OPTIONAL LENSES WHEN PROJECTING ONTO A 100" (2.5M) SCREEN
<b>FL-K01</b>	Ultra short throw lens Fixed focus		3.0m (114")	0.67	
<b>FL-K02</b>	Short throw lens Fixed focus		5.0m (189")	1.12	
<b>SL-K03</b>	Short throw lens Zoom: x1.3		6.1m ~ 8.2m (236" ~ 319")	1.39 / 1.87	
<b>ML-K04</b>	Standard lens Zoom: x1.3		8.2m ~ 11.1m (319" ~ 433")	1.87 / 2.56	
<b>LL-K05</b>	Long throw lens Zoom: x1.6		11.1m ~ 18.0m (433" ~ 705")	2.56 / 4.16	
<b>UL-K06</b>	Ultra long throw lens Zoom: x1.6		18.0m ~ 30.0m (798" ~ 1181")	4.16 / 6.96	