


PROJECTOR QUICK GUIDE

2015 / 2016

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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.

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

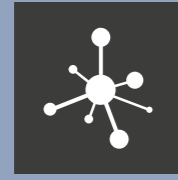
| | CP-X2541WN | CP-EW250N | CP-DX301 | CP-DH300 |
|--|---|---|---|---|
| Resolution | XGA (1024 x 768) | WXGA (1280 x 800) | XGA (1024 x 768) | Full HD (1920 x 1080) |
| Light Output (Brightness) | 2700 ANSI Lumens (Normal) / 2214 ANSI Lumens (Eco1) / 1809 ANSI Lumens (Eco2) | 2500 ANSI Lumens (Normal) / 1700 ANSI Lumens (Eco) | 3000 ANSI Lumens (Normal) / 2600 ANSI Lumens (Eco) | 3000 ANSI Lumens (Normal) / 2500 ANSI Lumens (Eco) |
| Liquid Crystal Panel Structure | 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 |
| Contrast Ratio | 10000:1 | 2000:1 | 8000:1 | 2000:1 |
| Noise | 37dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 38dB (Normal) / 30dB (Eco) | 33dB (Normal) / 29dB (Eco) | 34dB (Normal) / 30dB (Eco) |
| Lamp Life (Hours)* | 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) |
| Display Size | 30 ~ 300" (76 ~ 762cm) | 30 ~ 300" (76cm ~ 762cm) | 60 ~ 250" (152cm ~ 635cm) | 30 ~ 300" (76 ~ 762cm) |
| Throw Distance | 0.8 - 9.0m | 0.9 - 11.5m | 1.0 - 8.0m *2 | 0.8 - 10.0m |
| Lens | Manual focus, manual zoom x1.2 | Manual focus, Manual zoom x1.2 | Manual focus, Manual zoom x1.1 | Manual focus, Manual zoom x1.3 |
| Keystone Correction | 6:1 upward shift, fixed | 13:1 upward shift, fixed | Vertical 11:-1 upward shift | 21:-1 upward shift, fixed |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 1.8 (Tele) | 1.5 (Wide) - 1.8 (Tele) | 1.96 (Wide) - 2.15 (Tele) | 1.15 (Wide) - 1.5 (Tele) |
| PHYSICAL | | | | |
| Weight | 3.0Kg | 3.0Kg | 2.3Kg | <2.2kg |
| Dimensions (W x H x D) | 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) |
| Power Consumption / Standby | 310W / <0.5W (AC 220-240V) | 310W / <0.5W (AC 220-240V) | 266W / <0.5W (AC 220-240V) | 260W / <0.5W (AC 220-240V) |
| Speakers | 16W x 1 (mono) | 16W x 1 (mono) | 2W x 1 (mono) | 2W x 1 (mono) |
| Filter* | Unwoven (up to 5000 hours) | Urethane (up to 2000 hours) | No | No |
| CONNECTIONS | | | | |
| Digital Input | 2 x HDMI (HDCP compliant) | 1 x HDMI (HDCP compatible) | 1 x HDMI (HDCP compatible) | 1 x HDMI |
| Computer Input | 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 |
| Computer Output | 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 |
| Video Input | 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 |
| Audio Input | 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 |
| Audio Output | 1 x 3.5mm stereo mini connector | 1 x pair RCA (L/R) | 1 x Stereo Mini Jack | 1 x Stereo Mini Jack |
| 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 | 1 x 9-pin D-sub for RS-232C control |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | No / Yes | No / No | No / No |
| PC-Less Presentation USB Type A | Yes | No | No | No |
| Mouse control USB Type B | Yes | Yes | No | Yes |
| Wired Remote Control | No | No | No | No |
| COMPATIBILITY | | | | |
| Computer | 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) |
| Video | 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 |
| ACCESSORIES INCLUDED | | | | |
| Remote Control (with batteries) | 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) |
| Other | Replacement lamp DT01481, USB wireless adaptor USB-WL-11N | Replacement lamp DT01491 | DT01851 | Replacement lamp DT01463 |
| Replacement Lamp / Lamp Wattage | DT01481 / 225W | DT01491 / 225W | DT01851 / 196W | DT01463 / 210W |
| Projector/ Lamp Warranty | 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

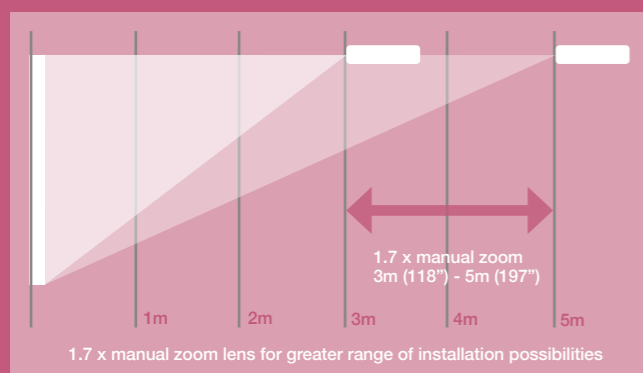
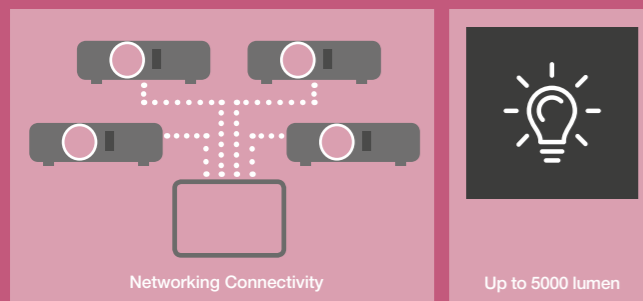


| |
|--|
| |
| OPTICAL |
| Resolution |
| Light Output (Brightness) |
| LCD Panel |
| Contrast Ratio |
| Noise |
| Lamp Life (Hours)* |
| Display Size |
| Throw Distance |
| Lens |
| Keystone Correction |
| Distance to width Ratio (:1) |
| PHYSICAL |
| Weight |
| Dimensions (W x H x D) |
| Power Consumption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

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

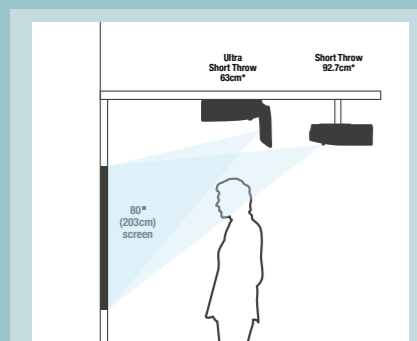
| | CP-WX4041WN | CP-WX4022WN | CP-X5022WN |
|--|--|--|--|
| Resolution | WXGA (1280 x 800) | WXGA (1280 x 800) | XGA (1024 x 768) |
| Light Output (Brightness) | 4000 Lumens (Normal) / 3280 Lumens (Eco1) / 2680 Lumens (Eco2) | 4000 Lumens (Normal) / 2800 Lumens (Eco) | 5000 Lumens (Normal) / 3500 Lumens (Eco) |
| Liquid Crystal Panel Structure | 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 |
| Contrast Ratio | 10,000:1 | 3000:1 | 3000:1 |
| Noise | 37dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 35dB (Normal) / 29dB (Eco) | 36dB (Normal) / 30dB (Eco) |
| Lamp Life (Hours)* | 5000 hours (Normal) / 8000 hours (Eco1) / 10,000 hours (Eco2) | 3000 hours (Normal) / 5000 hours (Eco) | 3000 hours (Normal) / 5000 hours (Eco) |
| Display Size | 30 ~ 300" (76 ~ 762cm) | 30 ~ 300" (76 ~ 762cm) | 30 ~ 300" (76 ~ 762cm) |
| Throw Distance | 0.9m - 11.6m | 0.9m - 16.1m | 0.9m - 15.1m |
| Lens | Manual focus, manual zoom x1.2 | Manual focus, manual zoom x1.7 | Manual focus, manual zoom x1.7 |
| Keystone Correction | 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 |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 1.8 (Tele) | 1.5 (Wide) - 2.5 (Tele) | 1.5 (Wide) - 2.5 (Tele) |
| PHYSICAL | | | |
| Weight | 3.0Kg | 4.6Kg | 4.6Kg |
| Dimensions (W x H x D) | 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) |
| Power Consumption / Standby | 310W / <0.5W (AC 220-240V) | 350W / <0.5W (AC 220-240V) | 350W / <0.5W (AC 220-240V) |
| Speakers | 16W x 1 (mono) | 8W x 2 mono | 8W x 2 mono |
| Filter* | Unwoven (up to 5000 hours) | Hybrid (up to 5000 hours) | Hybrid (up to 5000 hours) |
| CONNECTIONS | | | |
| Digital Input | 2 x HDMI (HDCP compliant) | 1 x HDMI | 1 x HDMI |
| Computer Input | 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 |
| Computer Output | 1 x Mini D-Sub 15-pin connector | 1 x 15-pin mini D-sub | 1 x 15-pin mini D-sub |
| Video Input | 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 |
| Audio Input | 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) |
| Audio Output | 1 x 3.5mm stereo mini connector | 1 x pair RCA (L/R) | 1 x pair RCA (L/R) |
| 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 |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes |
| Wired Remote Control | No | Yes | Yes |
| COMPATIBILITY | | | |
| Computer | 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" |
| Video | 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 |
| ACCESSORIES INCLUDED | | | |
| Remote Control (with batteries) | HLO3031 | HLO2774 | HLO2774 |
| Other | 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 |
| Replacement Lamp / Lamp Wattage | DT01481 | DT01171 / 245W (UHP) | DT01171 / 245W (UHP) |
| Projector / Lamp Warranty | 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) |



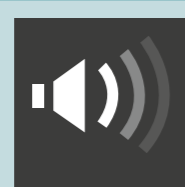
| | CP-CW251WN | CP-CW301WN | CP-CX301WN |
|--|--|--|--|
| OPTICAL | | | |
| Resolution | WXGA (1280 x 800) | WXGA (1280 x 800) | XGA (1024 x 768) |
| Light Output (Brightness) | 2600 ANSI Lumens (Normal) / 2132 ANSI Lumens (Eco1) / 1742 ANSI Lumens (Eco2) | 3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2) | 3100 ANSI Lumens (Normal) / 2542 ANSI Lumens (Eco1) / 2077 ANSI Lumens (Eco2) |
| Colour light output (colour brightness) | 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) |
| Liquid Crystal Panel Structure | 0.59" (1.5cm) P-Si TFTx3 | 0.59" (1.5cm) P-Si TFTx3 | 0.63" (1.6cm) P-Si TFTx3 |
| Contrast Ratio | 10,000:1 | 10,000:1 | 10,000:1 |
| Noise | 37db (Normal) / 32db (Eco1) / 29db (Eco2) | 37db (Normal) / 32dB (Eco1) / 29dB (Eco2) | 36db (Normal) / 32db (Eco1) / 29db (Eco2) |
| Lamp Life (Hours)* | 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) |
| Display Size | 60 ~ 150" (152 ~ 381cm) | 60 ~ 150" (152 ~ 381cm) | 60 ~ 150" (152 ~ 381cm) |
| Throw Distance | 0.73m - 1.95m | 0.73m - 1.95m | 0.69m - 1.83m |
| Lens | Manual focus, digital zoom x1.35 | Manual focus, digital zoom x1.35 | Manual focus, digital zoom x1.35 |
| Keystone Correction | 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 |
| Distance to Width Ratio (:1) | 0.6 | 0.6 | 0.6 |
| PHYSICAL | | | |
| Weight | 3.6Kg | 3.6Kg | 3.6Kg |
| Dimensions (W x H x D) | 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) |
| Power Consumption / Standby | 320W / <0.35W (AC 220-240V) | 320W / <0.35W (AC 220-240V) | 320W / <0.35W (AC 220-240V) |
| Speakers | 16W x 1 (mono) | 16W x 1 (mono) | 16W x 1 (mono) |
| Filter* | Hybrid (up to 5000 hours) | Hybrid (up to 5000 hours) | Hybrid (up to 4000 hours) |
| CONNECTIONS | | | |
| Digital Input | 2 x HDMI (HDCP compliant) | 2 x HDMI (HDCP compliant) | 2 x HDMI (HDCP compliant) |
| Computer Input | 2 x 15-pin Mini D-sub | 2 x 15-pin Mini D-sub | 2 x 15-pin Mini D-sub |
| Computer Output | 1 x 15-pin Mini D-sub | 1 x 15-pin Mini D-sub | 1 x 15-pin Mini D-sub |
| Video Input | 1 x RCA connector | 1 x RCA connector | 1 x RCA connector |
| Audio Input | 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) |
| Audio Output | 1 x 3.5mm stereo mini connector | 1 x 3.5mm stereo mini connector | 1 x 3.5mm stereo mini connector |
| 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 |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes |
| Wired Remote control | No | No | No |
| COMPATIBILITY | | | |
| Computer | 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" |
| Video | 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) |
| ACCESSORIES INCLUDED | | | |
| Remote Control (with batteries) | HL03035 | HL03035 | HL03035 |
| Other | USB wireless adaptor USB-WL-11N | USB wireless adaptor USB-WL-11N | USB wireless adaptor USB-WL-11N |
| Replacement Lamp / Lamp Wattage | DT01511 / 225W | DT01511 / 225W | DT01511 / 225W |
| Projector / Lamp Warranty | 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.) |

11 SHORT THROW

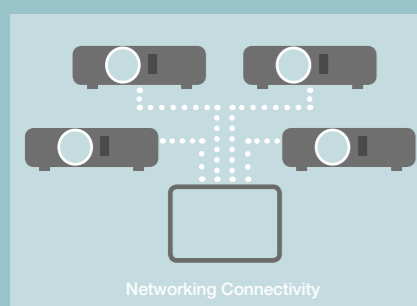
Compact, flexible to use, with the ability to project large, bright images in tight spaces.



Short Throw distance diagram



Low noise level



Networking Connectivity



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

| | CP-AX3505 | CP-AW2505 | CP-AW3005 | CP-TW3005 |
|--|--|--|--|--|
| Resolution | XGA (1024 x 768) | WXGA (1280 x 800) | WXGA (1280 x 800) | WXGA (1280 x 800) |
| Light Output (Brightness) | 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) |
| Liquid Crystal Panel Structure | 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 |
| Contrast Ratio | 10,000:1 | 10,000:1 | 10,000:1 | 10,000:1 |
| Noise | 36dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 34dB (Normal) / 32dB (Eco1) / 28dB (Eco2) | 36dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 36dB (Normal) / 32dB (Eco1) / 29dB (Eco2) |
| Lamp Life (Hours)* | 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) |
| Display Size | 60 ~ 100" (152 ~ 254cm) | 60 ~ 100" (152 ~ 254cm) | 60 ~ 100" (152 ~ 254cm) | 60 ~ 100" (152 ~ 254cm) |
| Throw Distance | 0.103m - 0.463m | 0.126m - 0.41m | 0.126m - 0.41m | 0.126m - 0.41m |
| Lens | Powered focus, digital zoom x1.35 | Powered focus, digital zoom x1.35 | Powered focus, digital zoom x1.35 | Powered focus, digital zoom x1.35 |
| Keystone Correction | Fixed 7.7:-1 upward shift | Fixed 4.6:-1 upward shift | Fixed 4.6:-1 upward shift | Fixed 4.6:-1 upward shift |
| Distance to Width Ratio (:1) | 0.3 | 0.3 | 0.3 | 0.3 |
| Interactive Features | No | No | No | Up to 6pen / touch finger write (option), PC less interactive, Windows 8 multi touch operation with up to 6pen / touch (option) |
| PHYSICAL | | | | |
| Weight | 4.3Kg | 4.3Kg | 4.3Kg | <4.5Kg |
| Dimensions (W x H x D) | 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) |
| Power Consumption / Standby | 350W / <0.35W (AC 220-240V) | 310W / <0.35W (AC 220-240V) | 350W / <0.35W (AC 220-240V) | 360W / <0.35W (AC 220-240V) |
| Speakers | 16W x 1 (mono) | 16W x 1 (mono) | 16W x 1 (mono) | 16W x 1 (mono) |
| Filter* | Hybrid (up to 4000 hours) | Hybrid (up to 4000 hours) | Hybrid (up to 4000 hours) | Hybrid (up to 4000 hours) |
| CONNECTIONS | | | | |
| Digital Input | 2 x HDMI | 2 x HDMI | 2 x HDMI | 2 x HDMI |
| Computer Input | 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 |
| Computer Output | 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 |
| Video Input | 1 x RCA composite | 1 x RCA composite | 1 x RCA composite | 1 x RCA composite |
| Audio Input | 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 |
| Audio Output | 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 |
| 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 | 1 x 9-pin D-sub for RS-232C control |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes | Yes |
| Wired Remote Control | No | No | No | No |
| COMPATIBILITY | | | | |
| Computer | XGA | WXGA | WXGA | WXGA |
| Video | 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) |
| ACCESSORIES INCLUDED | | | | |
| Remote Control (with batteries) | HL03033 | HL03033 | HL03033 | HL03033 |
| Other | 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 (XGA) 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 |
| Replacement Lamp / Lamp Wattage | DT01411 / 250W | DT01511 / 225W | DT01411 / 250W | DT01411 |
| Projector / Lamp Warranty | 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



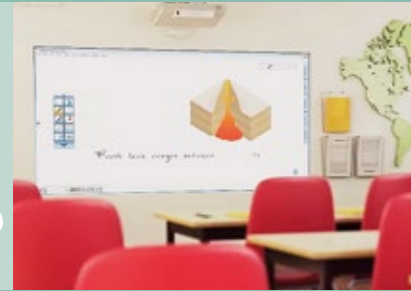
3x USB Type A and 2x HDMI digital connectivity



Finger Touch FT-01 Technology



Easy install & set up with powered focus and perfect fit



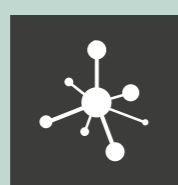
Download the Layar App and scan the image above to discover the features of our Education Range

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

| | CP-EX301N | CP-CX251N | CP-AX2505 | CP-TW2505 |
|--|---|---|--|---|
| Resolution | XGA (1024 x 768) | XGA (1024 x 768) | XGA (1024 x 768) | WXGA (1280 x 800) |
| Light Output (Brightness) | 3000 ANSI Lumens (Normal) / 2460 ANSI Lumens (Eco1) / 2010 ANSI Lumens (Eco2) | 2500 ANSI Lumens (Normal) / 2050 ANSI Lumens (Eco1) / 1675 ANSI Lumens (Eco2) | 2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2) | 2700 Lumens (Normal) / 2214 Lumens (Eco1) / 1809 Lumens (Eco2) |
| Liquid Crystal Panel Structure | 0.63" (1.6cm) P-Si TFT x 3 | 0.63" (1.6cm) P-Si TFT x 3 | 0.63" aspect ratio 4:3 | 0.59" aspect ratio 16:10 |
| Contrast Ratio | 2000:1 | 2000:1 | 10000:1 | 10000:1 |
| Noise | 37dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 36dB (Normal) / 32dB (Eco1) / 29dB (Eco2) | 34dB (Normal) / 32dB (Eco1) / 28dB (Eco2) | 34dB (Normal) / 32dB (Eco1) / 28dB (Eco2) |
| Lamp Life (Hours)* | 5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2) | 5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2) | 5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2) | 5000 hours (Normal) / 8000 hours (Eco1) / 10000 hours (Eco2) |
| Display Size | 30 ~ 300" (76cm ~ 762cm) | 60 ~ 100" (152 ~ 254cm) | 60 ~ 100" (152 ~ 254cm) | 60 ~ 100" (152 ~ 254cm) |
| Throw Distance | 0.9 - 10.9m | 0.691 - 1.838m | 0.103m - 0.463m | 0.126m - 0.41m |
| Lens | Manual focus, manual zoom x1.2 | Manual focus, zoom: digital x1.35 | Powered focus, digital zoom x1.35 | Powered focus, digital zoom x1.35 |
| Keystone Correction | 6:1 upward shift, fixed | Fixed 11.1:-1 upward shift | Fixed 7.7:-1 upward shift | Fixed 4.6:-1 upward shift |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 1.8 (Tele) | 0.6 | 0.3 | 0.3 |
| Interactive Features | No | No | No | Up to 6pen / touch finger write (option), PC less interactive, Windows 8 multi touch operation with up to 6pen / touch (option) |
| PHYSICAL | | | | |
| Weight | 3.1Kg | Approx. 3.4Kg | 4.3Kg | <4.5Kg |
| Dimensions (W x H x D) | 320 x 85 x 245mm (excluding feet and extrusions) | 345 x 85 x 303mm (excluding feet and extrusions) | 377 x 136 x 360mm (excluding feet and extrusions) | 377 x 136 x 360mm (excluding feet and extrusions) |
| Power Consumption / Standby | 310W / 0.5W (AC 220-240V) at saving mode | 290W / <0.5W (AC 220-240V) at saving mode | 310W / <0.35W (AC 220-240V) at saving mode | 330W / <0.35W (AC 220-240V) at saving mode |
| Speakers | 16W x 1 (mono) | 1W x 1 (mono) | 16W x 1 (mono) | 16W x 1 (mono) |
| Filter* | Unwoven | Hybrid (up to 4000 hours) | Hybrid (up to 4000 hours) | Hybrid (up to 4000 hours) |
| CONNECTIONS | | | | |
| Digital Input | 1 x HDMI (HDCP compatible) | 1 x HDMI (HDCP compatible) | 2 x HDMI | 2 x HDMI |
| Computer Input | 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 |
| Computer Output | 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 |
| Video Input | 1 x RCA for composite | 1 x RCA connector | 1 x RCA composite | 1 x RCA composite |
| Audio Input | 2 x 3.5mm stereo mini connector, 1 x pair RCA (L/R) | RCA (L/R) connector x 1 | 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 |
| Audio Output | 1 x 3.5mm stereo mini connector | 1 x RCA (L/R) connector | 1 x 3.5mm stereo mini connector | 1 x stereo mini jack |
| 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 | 1 x 9-pin D-sub for RS-232C control |
| Wireless LAN / Wired LAN | No / Yes | No / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | No | No | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes | Yes |
| Wired Remote Control | No | No | No | No |
| COMPATIBILITY | | | | |
| Computer | 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" | IBM Compatible VGA, SVGA, XGA, WXGA / WXGA+ / SXGA / SXGA+ / UXGA (compressed), MAC16" |
| Video | 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), 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) |
| ACCESSORIES INCLUDED | | | | |
| Remote Control (with batteries) | HL03031 | HL03035 | HL03033 | HL03033 |
| Other | Power cable, computer cable, user manual | Power cable, computer cable, user manual, lens cover | 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 |
| Replacement Lamp / Lamp Wattage | DT01481 / 225W | DT01511 / 225W | DT01511 / 225W | DT01511 / 225W |
| Projector / Lamp Warranty | 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.) | 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.) |



Simultaneous operation available for up to 6 persons



3x USB Type A and 2x HDMI digital connectivity

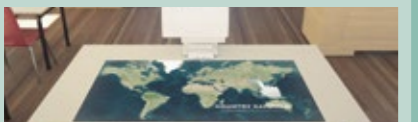


Table Top projection for interactive collaboration



Reduced maintenance with up to 10,000 hour lamp life



Starboard Software

15 EDUCATION

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

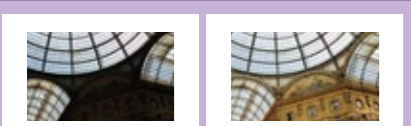


Download the Layar App and scan the image above to discover the features of our Installation Range

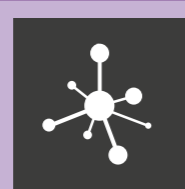


17 INSTALLATION

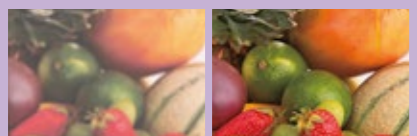
High performance, advanced networking capabilities and simple user functionality.



Bright Room HDR Off **Bright Room HDR On**
Brilliant image quality whatever the lighting environment, with High Dynamic Contrast Range (HDR)



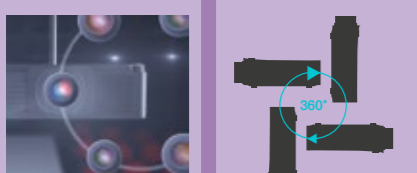
Digital connectivity including HDBaseT 2x HDMI, DVI and 3G DVI which can transfer 1080p signals up to 100m



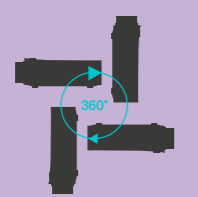
Accentualizer OFF **Accentualizer ON**
Accentualizer enhances sharpness, gloss and shade



Digital Connectivity with HDBaseT and 2xHDMI



Variety of interchangeable lenses



360° Projection



Motorized superior lens shift



| | CP-X8150 | CP-X8160 | CP-X8170 | CP-WX8240 |
|--|--|---|---|--|
| OPTICAL | | | | |
| Resolution | XGA (1024 x 768) | XGA (1024 x 768) | XGA (1024 x 768) | WXGA (1280 x 800) |
| Light Output (Brightness) | 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) |
| Liquid Crystal Panel Structure | 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 |
| Contrast Ratio | 3000:1 (Presentation Mode) | 3000:1 (Presentation Mode) | 3000:1 (Presentation Mode) | 3000:1 (Presentation Mode) |
| Noise | 35dB (Normal) / 29dB (Eco) | 37dB (Normal) / 31dB (Eco) | 39dB (Normal) / 33dB (Eco) | 35dB (Normal) / 29dB (Eco) |
| Lamp Life (Hours)* | 2500 Hours (Normal) / 4000 Hours (Eco) | 2500 Hours (Normal) / 3000 Hours (Eco) | 2000 hours (Normal) / 2500 hours (Eco) | 2500 Hours (Normal) / 4000 Hours (Eco) |
| Display Size | 30 ~ 600" (76 ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) |
| Throw Distance | 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) |
| Lens | 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 |
| Keystone Correction | 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 |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 2.2 (Tele) | 1.5 (Wide) - 3.0 (Tele) | 1.5 (Wide) - 3.0 (Tele) | 1.5 (Wide) - 2.2 (Tele) |
| PHYSICAL | | | | |
| Weight | Approx. 8.4Kg | Approx. 8.7Kg | Approx. 8.7Kg | Approx. 8.4Kg |
| Dimensions (W x H x D) | 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) |
| Power Consumption / Standby | 355W / <0.35W (AC220-240V) | 455W / <0.3W (AC220-240V) | 480W / <0.35W (AC 220-240V) | 355W / <0.35W (AC220-240V) |
| Speakers | 2 x 8W (stereo) | 2 x 8W (stereo) | No | 2 x 8W (stereo) |
| Filter* | Hybrid (up to 15,000 hours) | Hybrid (up to 20,000 hours) | Hybrid (Up to 20,000 hours) | Hybrid (up to 15,000 hours) |
| CONNECTIONS | | | | |
| Digital Input | 2 x HDMI (HDCP Compliant) | 2 x HDMI (HDCP Compliant) | 2 x HDMI (HDCP Compliant) | 2 x HDMI (HDCP Compliant) |
| Computer Input | 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 |
| Computer Output | 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 |
| Video Input | 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 |
| Audio Input | 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) |
| Audio Output | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) |
| 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 | 1 x 9-pin D-sub for RS232 control |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes | Yes |
| Wired Remote Control | Yes | Yes | Yes | Yes |
| COMPATIBILITY | | | | |
| Computer | 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" |
| Video | 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) |
| ACCESSORIES INCLUDED | | | | |
| Remote Control (with batteries) | HL02801 | HL02801 | HL02801 | HL02801 |
| Standard Lens | SL-702 | ML-703 | ML-703 | SL-702 |
| Other | 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 Optional lenses 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 Optional lenses 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 Optional lenses 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 Optional lenses 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 |
| Replacement Lamp / Lamp Wattage | DT01281 / 245W | DT01291 / 330W | DT01471 / 365W | DT01281 / 245W |
| Projector / Lamp Warranty | 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 |
|--|---|--|
| OPTICAL | | |
| Resolution | WXGA (1280 x 800) | WXGA (1280 x 800) |
| Light Output (Brightness) | 5500 ANSI Lumens (Normal) / 4400 ANSI Lumens (Eco) | 6500 ANSI Lumens (Normal) / 5200 ANSI Lumens (Eco) |
| Liquid Crystal Panel Structure | 0.75" (1.9cm) P-Si TFT x 3 | 0.75" (1.9cm) P-Si TFT x 3 |
| Contrast Ratio | 3000:1 (Presentation Mode) | 3000:1 (Presentation Mode) |
| Noise | 37dB (Normal) / 31dB (Eco) | 39dB (Normal) / 33dB (Eco) |
| Lamp Life (Hours)* | 2500 Hours (Normal) / 3000 Hours (Eco) | 2000 hours (Normal) / 2500 hours (Eco) |
| Display Size | 30 ~ 600" (76 ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) |
| Throw Distance | 1.0m - 39m (with standard lens ML-703) | 1.0m - 39m (with standard lens ML-703) |
| Lens | Powered focus, Powered Zoom x2.0 | Powered Zoom x 2.0, Powered Focus |
| Keystone Correction | Vertical 10:0 shift, Normal at + 14.4°~7.3° projection angle | Vertical 10:0 shift, Normal at + 14.4°~7.3° projection angle |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 3.0(Tele) | 1.5 (Wide) - 3.0 (Tele) |
| PHYSICAL | | |
| Weight | Approximately 8.7Kg | Approximately 8.8Kg |
| Dimensions (W x H x D) | 498 x 135 x 396mm (excluding feet and extrusions) | 498 x 135 x 396mm (excluding feet and extrusions) |
| Power Consumption / Standby | 455W / <0.35W (AC220-240V) | 480W / <0.35W (AC 220-240V) |
| Speakers | 2 x 8W (stereo) | No |
| Filter* | Hybrid (up to 20,000 hours) | Hybrid (Up to 20,000 hours) |
| CONNECTIONS | | |
| Digital Input | 2 x HDMI (HDCP Compliant) | 2 x HDMI (HDCP Compliant) |
| Computer Input | 1 x 15-pin Mini D-sub, 1 x BNC | 1 x 15-pin Mini D-sub, 1 x BNC |
| Computer Output | 1 x 15-pin Mini D-sub | 1 x 15-pin Mini D-sub |
| Video Input | 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 |
| Audio Input | 2 x Stereo Mini Jack, 2 x RCA Jack (L/R) | 2 x Stereo Mini Jack, 2 x RCA Jack (L/R) |
| Audio Output | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) |
| Control | 1 x 9-pin D-sub for RS232 control | 1 x 9-pin D-sub for RS232 control |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes |
| Wired Remote Control | Yes | Yes |
| COMPATIBILITY | | |
| Computer | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA, MAC16" | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, UXGA, MAC16" |
| Video | 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) |
| ACCESSORIES INCLUDED | | |
| Remote Control (with batteries) | HL02801 | HL02801 |
| Standard Lens | ML-703 | ML-703 |
| Other | 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 Optional lenses 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 Optional lenses 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 |
| Replacement Lamp / Lamp Wattage | DT01291 / 330W | DT01471 / 365W |
| Projector / Lamp Warranty | 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.) |

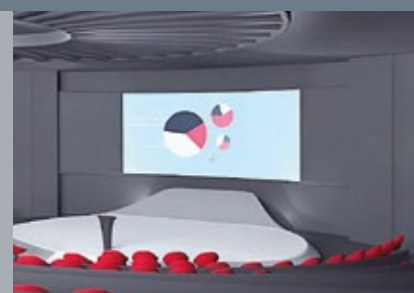
| | CP-WU8440 | CP-WU8451 | CP-WU8461 |
|--|---|---|---|
| OPTICAL | | | |
| Resolution | WUXGA (1920 x 1200) | WUXGA (1920 x 1200) | WUXGA (1920 x 1200) |
| Light Output (Brightness) | 4200 ANSI Lumens (Normal) / 2850 ANSI Lumens (Eco) | 5000 ANSI Lumens (Normal) / 4000 ANSI Lumens (Eco) | 6000 ANSI Lumens (Normal) / 4800 ANSI Lumens (Eco) |
| Liquid Crystal Panel Structure | 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 |
| Contrast Ratio | 3000:1 (Presentation Mode) | 5000:1 | 5000:1 |
| Noise | 35dB (Normal) / 29dB (Eco) | 37dB (Normal) / 31dB (Eco) | 39dB (normal) / 33dB (Eco) |
| Lamp Life (Hours)* | 2500 Hours (Normal) / 4000 Hours (Eco) | 2500 hours (Normal) / 3000 hours (Eco) | 2000 hours (Normal) / 2500 hours (Eco) |
| Display Size | 30 ~ 600" (76cm ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) | 30 ~ 600" (76 ~ 1,524cm) |
| Throw Distance | 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) |
| Lens | Powered focus, Powered Zoom x2.0 | Powered Zoom x 2.0, Powered Focus | Powered Zoom x 2.0, Powered Focus |
| Keystone Correction | 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 |
| Distance to Width Ratio (:1) | 1.5 (Wide) - 3.0(Tele) | 1.5 (Wide) - 3.0 (Tele) | 1.5 (Wide) - 3.0 (Tele) |
| PHYSICAL | | | |
| Weight | Approximately 8.7Kg | 9.2Kg (with standard lens) | 9.2Kg (with standard lens) |
| Dimensions (W x H x D) | 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 |
| Power Consumption / Standby | 355W / <0.35W (AC220-240V) | Normal 480W / Standby 0.35W | Normal 520W / Standby 0.35W |
| Speakers | 2 x 8W (stereo) | 2 x 8W (stereo) | 2 x 8W (stereo) |
| Filter* | Hybrid (up to 15,000 hours) | Hybrid (Up to 20,000 hours) | Hybrid (Up to 20,000 hours) |
| CONNECTIONS | | | |
| Digital Input | 2 x HDMI (HDCP compliant) | 2 x HDMI (HDCP Compliant) | 2 x HDMI (HDCP Compliant) |
| Computer Input | 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) |
| Computer Output | 1 x 15-pin Mini D-sub | 1 x 15-pin D-sub | 1 x 15-pin D-sub |
| Video Input | 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) |
| Audio Input | 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) |
| Audio Output | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) | 2 x RCA Jack (L/R) |
| 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 |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes | Yes |
| Mouse Control USB Type B | Yes | Yes | Yes |
| Wired Remote Control | Yes | Yes | Yes |
| COMPATIBILITY | | | |
| Computer | 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" |
| Video | 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) |
| ACCESSORIES INCLUDED | | | |
| Remote Control (with batteries) | HL02801 | HL02801 | HL02801 |
| Standard Lens | ML-703 | ML-703 | ML-703 |
| Other | 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 Optional lenses 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 Optional lenses 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 Optional lenses 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 |
| Replacement Lamp / Lamp Wattage | DT01281 / 245W | DT01291 / 330W | DT01471 / 365W |
| Projector / Lamp Warranty | 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 |
|--|---|
| OPTICAL | |
| Resolution | WUXGA (1920 x 1200) |
| Light Output (Brightness) | 8500 Lumens |
| Liquid Crystal Panel Structure | 0.67" (17mm) DLP® x 1 |
| Contrast Ratio | 2500:1 |
| Noise | 36dB (Normal) / 29dB (Eco) |
| Lamp Life (Hours)* | 2000 hours (Normal) / 4000 hours (Eco) |
| Display Size | 50 ~ 600" (127 ~ 1524cm) |
| Throw Distance | 2.8m - 26.6m (Standard lens: SD903W) |
| Lens | Lens not supplied (see optional lenses) |
| Keystone Correction | Vertical 11:-1 shift (with SD-903W lens) |
| Distance to Width Ratio (:1) | 1.6~2.4 |
| PHYSICAL | |
| Weight | 16.6Kg (excluding lens) |
| Dimensions (W x H x D) | 537 x 170 x 438mm (excluding feet and extrusions) |
| Power Consumption / Standby | 990W / <0.5W (AC 220~240V) |
| Speakers | No |
| Filter* | Hybrid (up to 15,000 hours) |
| CONNECTIONS | |
| Digital Input | 2 x HDMI |
| Computer Input | 1 x 15-pin Mini D-sub, 1 x BNC |
| Computer Output | 1 x 15-pin Mini D-sub |
| Video Input | 1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT) |
| Audio Input | No |
| Audio Output | No |
| Control | 1 x 9-pin D-sub for RS-232C |
| Wireless LAN / Wired LAN | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes |
| Mouse Control USB Type B | No |
| Wired Remote Control | Yes |
| COMPATIBILITY | |
| Computer | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16" |
| Video | 525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60) |
| ACCESSORIES INCLUDED | |
| Remote Control (with batteries) | HL02803 |
| Other | Lenses 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) |
| Replacement Lamp / Lamp Wattage | DT01581 / 370W |
| Projector / Lamp Warranty | 3 Years / 6 Months** (for education and extended warranties please contact your local dealer.) |

| | CP-WX9210 | CP-X9110 |
|--|---|---|
| Resolution | WXGA (1280 x 800) | XGA (1024 x 768) |
| Light Output (Brightness) | 8500 Lumens | 10000 Lumens |
| Liquid Crystal Panel Structure | 0.65" (16mm) DLP® x 1 | 0.7" (18mm) DLP® x 1 |
| Contrast Ratio | 2500:1 | 2000:1 |
| Noise | 36dB (Normal) / 29dB (Eco) | 36dB (Normal) / 29dB (Eco) |
| Lamp Life (Hours)* | 2000 hours (Normal) / 4000 hours (Eco) | 2000 hours (Normal) / 4000 hours (Eco) |
| Display Size | 50 ~ 600" (127 ~ 1524cm) | 50 ~ 600" (127 ~ 1524cm) |
| Throw Distance | 3.0m - 28.0m (Standard lens: SD-903W) | 3.5m - 26.0m (Standard lens: SD-903X) |
| Lens | Lens not supplied (see optional lenses) | Lens not supplied (see optional lenses) |
| Keystone Correction | Vertical 11:-1 shift (with SD-903W lens) | Vertical 11:-1 shift (with SD-903X lens) |
| Distance to Width Ratio (:1) | 1.7~2.6 | 1.7~2.5 |
| PHYSICAL | | |
| Weight | 16.6Kg (excluding lens) | 16.6Kg (excluding lens) |
| Dimensions (W x H x D) | 537 x 170 x 438mm (excluding feet and extrusions) | 537 x 170 x 438mm (excluding feet and extrusions) |
| Power Consumption / Standby | 990W / <0.5W (AC 220~240V) | 990W / <0.5W (AC 220~240V) |
| Speakers | No | No |
| Filter* | Hybrid (up to 15,000 hours) | Hybrid (up to 15,000 hours) |
| CONNECTIONS | | |
| Digital Input | 2 x HDMI | 2 x HDMI |
| Computer Input | 1 x 15-pin Mini D-sub, 1 x BNC | 1 x 15-pin Mini D-sub, 1 x BNC |
| Computer Output | 1 x 15-pin Mini D-sub | 1 x 15-pin Mini D-sub |
| Video Input | 1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT) | 1 x 5 BNC, 1 x DVI-D, 1 x RJ45 (HDBaseT) |
| Audio Input | No | No |
| Audio Output | No | No |
| Control | 1 x 9-pin D-sub for RS-232C | 1 x 9-pin D-sub for RS-232C |
| Wireless LAN / Wired LAN | Yes (optional) / Yes | Yes (optional) / Yes |
| PC-Less Presentation USB Type A | Yes | Yes |
| Mouse Control USB Type B | No | No |
| Wired Remote Control | Yes | Yes |
| COMPATIBILITY | | |
| Computer | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16" | VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (compressed), MAC16" |
| Video | 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) |
| ACCESSORIES INCLUDED | | |
| Remote Control (with batteries) | HL02803 | HL02803 |
| Other | Lenses 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) | Lenses 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) |
| Replacement Lamp / Lamp Wattage | DT01581 / 370W | DT01581 / 370W |
| Projector / Lamp Warranty | 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 |
|--|--|---|
| Resolution | 1920 x 1080 | 1920 x 1200 |
| Light Output (Brightness) | 8200 Lumens | 13000 Lumens (Normal) / 10060 Lumens (Eco) |
| Liquid Crystal Panel Structure | 0.65" DLP® chip x 1 | 0.96" (2.4cm) DMD x 3 |
| Contrast Ratio | 2500:1 (Theatre Mode) | 2000:1 |
| Noise | 36dB (Normal) / 29dB (Eco) | 46dB (Normal) / 42dB (Eco) |
| Lamp Life (Hours)* | 2000 hours (Normal) / 4000 hours (Eco) | 2000 hours (Normal) / 2500 hours (Eco) |
| Display Size | 50 ~ 600" (127 ~ 1524cm) | 100 ~ 400" (254 ~ 1016cm) (Standard lens: ML-K04) |
| Throw Distance | 2.9m - 27.4m (Standard lens: SD-903W) | 4.0m~24m (Standard lens: ML-K04) |
| Lens | Lens not supplied (see optional lenses) | Lens not supplied (see optional lenses) |
| Keystone Correction | Vertical 11:-1 shift (with SD-903W lens) | Vertical ±20°, Horizontal ±35° |
| Distance to Width Ratio (:1) | 1.96 - 2.15 | 1.87~2.56 (Standard lens: ML-K04) |
| PHYSICAL | | |
| Weight | Approx. 16.6Kg (excluding lens) | 34Kg (excluding lens) |
| Dimensions (W x H x D) | 537mm x 170mm x 438mm (excluding lens and protruding part) | 500 x 633 x 270mm (excluding feet and extrusions) |
| Power Consumption / Standby | AC110-120V:1060W / AC220-240V:990W | 1250W / <3W (220V AC / 5.3A) |
| Speakers | No | No |
| Filter* | Hybrid (up to 15,000 hours) | Hybrid (up to 1000 hours) |
| CONNECTIONS | | |
| Digital Input | 2 x HDMI | 2 x HDMI (HDCP compatible), 1 x 3D DVI, 1 x SDI |
| Computer Input | 1 x 15-pin Mini D-sub | 1 x 15-pin Mini D-sub, 1 x 5 BNC |
| Computer Output | 1 x 15-pin Mini D-sub | No |
| Video Input | 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 |
| Audio Input | No | No |
| Audio Output | No | No |
| Control | 1 x D-sub 9-pin connector | 1 x 9-pin D-sub for RS-232C |
| Wireless LAN / Wired LAN | No / Yes | No / Yes |
| PC-Less Presentation USB Type A | Yes | No |
| Mouse Control USB Type B | No | Yes |
| Wired Remote Control | Yes | No |
| COMPATIBILITY | | |
| Computer | 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" |
| Video | 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) |
| ACCESSORIES INCLUDED | | |
| Remote Control (with batteries) | HL02803 | HL03051 |
| Other | Lenses FL-900 (Ultra short throw lens), USL-901 (Ultra Short Throw Lens), SL-902 (Short Throw 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 | Lenses 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) |
| Replacement Lamp / Lamp Wattage | DT01731 / 365W | DT01591 / 465W |
| Projector / Lamp Warranty | 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.) |



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Bright Room HDCR Off

Bright Room HDCR On

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

21 PROFESSIONAL

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

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Accentualizer enhances sharpness, gloss and shade

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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



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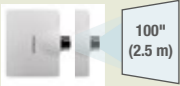








9000 SERIES INTERCHANGEABLE LENS OPTIONS

| | | | | 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 |
|----------------|--------------------------------------|--|---|--|--|--|
| USL-901 | 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 | |
| SL-902 | 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 | |
| SD-903W | 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 | |
| SD-903X | Standard lens Zoom: x1.5 | | CP-X9110 | 3.5 ~ 5.2m (136" ~ 205") | 1.7 ~ 2.5 | |
| ML-904 | 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 | |
| LL-905 | 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 | |
| UL-906 | 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 | |
| FL-900 | 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 | |


23 OPTIONAL LENSES

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

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 |
|---------------|---|--|--|---|---|---|
| FL-701 | 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 |  |
| SL-702 | 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 |  |
| ML-703 | 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 |  |
| LL-704 | 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 |  |
| UL-705 | 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 |
|---------------|---------------------------------------|--|---|----------------|---|
| FL-K01 | Ultra short throw lens Fixed focus |  | 3.0m (114") | 0.67 |  |
| FL-K02 | Short throw lens Fixed focus |  | 5.0m (189") | 1.12 |  |
| SL-K03 | Short throw lens Zoom: x1.3 |  | 6.1m ~ 8.2m (236" ~ 319") | 1.39 / 1.87 |  |
| ML-K04 | Standard lens Zoom: x1.3 |  | 8.2m ~ 11.1m (319" ~ 433") | 1.87 / 2.56 |  |
| LL-K05 | Long throw lens Zoom: x1.6 |  | 11.1m ~ 18.0m (433" ~ 705") | 2.56 / 4.16 |  |
| UL-K06 | Ultra long throw lens Zoom: x1.6 |  | 18.0m ~ 30.0m (798" ~ 1181") | 4.16 / 6.96 |  |