

# SRX-R515P

Next-generation  
4K digital cinema  
projector



## Sony Digital Cinema™ 4K

### Key Feature

#### User-friendly design for low cost of ownership

SRX-R515P is a high quality 4K digital cinema projection system designed for use in small or medium sized screen auditorium.

SRX-R515P is fully DCI compliant and boasts design features that make it more cost effective and simple to use. These include a lower cost light source system that allows easy and safe lamp replacement, a re-usable air filter, a single 15-inch GUI control panel and iPad and Android tablet support\* for remote operations.

\*This function is planned to be available from Spring 2013.

#### True 4K projection ideal for independent cinemas

SRX-R515P offers true 4K quality from the integrated media block through the lens to the cinema screen and features an improved SXRD optical engine, higher contrast ratio, 15,000 lumens brightness, easy-on-the-eye Sony 3D and High Frame Rate (HFR) capabilities of 48 and 60 frames per second. The system also features high-speed content ingest/transfer and high capacity storage.

#### Superior picture quality

Ultra high quality picture for small and medium sized screens.

#### True 4K

True 4K with 4K SXRD panel and F2.5 large aperture lens made of ELD (Extra Low Dispersion) glass to create a super fine pitch 4K image.

#### 3D

Easy-on-the-eye 3D with no flashing. Also, the SRX-R515P will support 3D High Frame Rate (HFR) content as standard.

#### High contrast ratio

High contrast image of 8,000:1 (average) with the new 4K optical engine, achieved by reducing leaked light.

#### Light output

15,000 lumens brightness.



## Easy to use

### Easy and safe lamp replacement

Using multiple high pressure mercury lamps in individual cartridges makes lamp replacement easier and safer.

### Resilient lamp

The new 6-lamp system delivers the resilience you need so you never have to stop a show.

### Smaller dimensions

The reduced body size allows installation in smaller projection booths. W546 x H570 x D1015 mm (W21.4 x H22.4 x D39.9 inches) and 150kg (330.6 lb) (excluding lamps, lens and touch panel monitor).

### Single GUI

The SRX-R515P has a single GUI for both the server/media block and the projector, enabling operations from setting up a projector to creating a show-schedule. It has consistency on the main menu with the Sony TMS (Theatre Management System).

### Embedded SMS software

The system includes the embedded Screen Management System (SMS) software, which can be operated through the GUI. It allows you to control and monitor the device and auditorium set-up without the need for an external PC.

### Tablet support

Using tablets to operate projectors makes theatre operation more effective. It supports both Android and iPad.\*

\*This function is planned to be available from Spring 2013.

### High capacity storage and high speed DCP ingest and transfer

High speed DCP ingest and transfer allows theatre managers to create flexible show scheduling. Capacity is currently 4TB. A second, 8TB version will be offered in the future. High speed network ingest includes USB 3.0, CRU data port for SATA transfer and Gigabit Ethernet to the central server.

### Easier 3D and alternative content via HDMI

The standard two HDMI input allows 3D playback, as well as making it easier to project alternative content like live video and Blu-ray playback. In addition, a future software upgrade will allow the SRX-R515P to support DCP MPEG2 playback as standard.

### Improved 2D / 3D lens exchange

With the projector's new slick design, swapping lenses is very simple. The lens change table, LKRA-008, and ratchet-handle to lock a lens makes it even easier to swap lenses.\*

\*Optional accessory and not mandatory.

### Easy to upgrade

Sony has developed all aspects of the projector, including the Integrated Media Block, server, 3D system and TMS. This makes it easier to upgrade in response to future demand.

### Auto luminance mode

The projector will increase the lamp power automatically to keep the brightness you set initially.

### Intermission functionality\*

You can insert an intermission where you want in the SPL, which is a common requirement in some countries, especially with locally produced content.\*\* In addition, you can decide time and duration of the intermission, previewing before and after the intermission you inserted.

\* Sony STM-100 TMS v1.6 will not support this function.

\*\* Inserting an intermission is not officially endorsed by the DCI Compliance. We recommend that this function is not used with non-local content.

# SRX-R515P next-generation 4K digital cinema projector

## Low cost of ownership

### Low lamp cost

Using high-pressure mercury lamps reduces the lamp cost compared to using Xenon lamps.

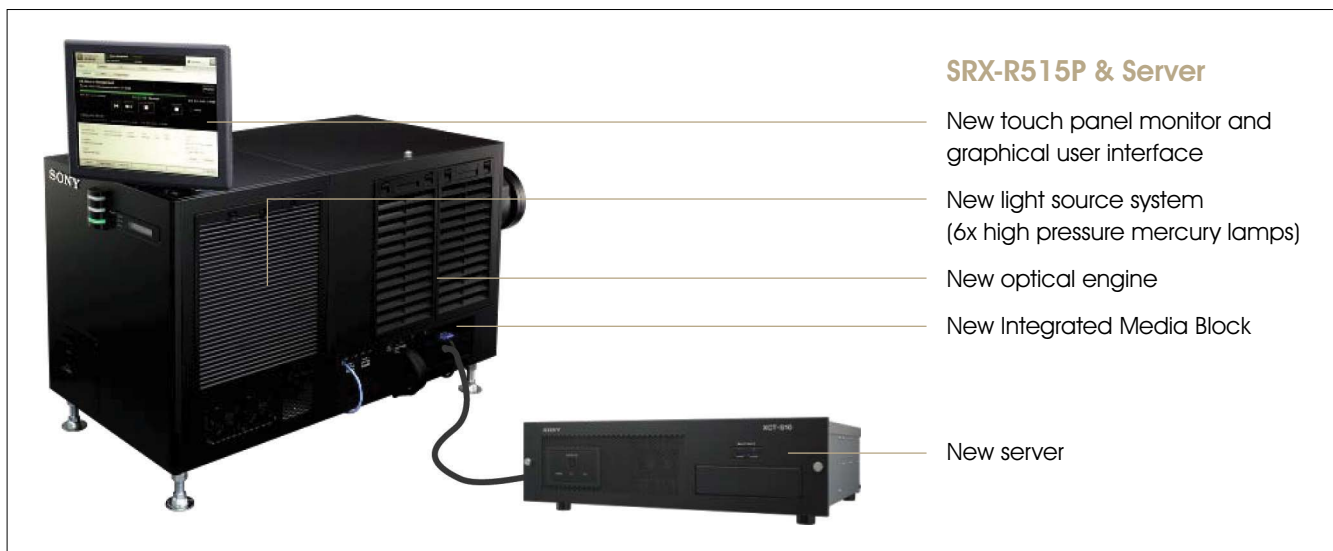
### Re-usable filter

You don't need to replace filters regularly, it is re-usable by vacuuming it like a normal air conditioner filter. In addition, it is very easy to remove it to clean.

## An exciting Sony partnership

### Tailored financing options available

To find out more, please contact your local Sony dealer today.



## Specifications

| SRX-R515P                            |  |
|--------------------------------------|--|
| <b>Projector</b>                     |  |
| Display Device                       | 3 x 1.48 inch 4K SXRD  |
| Lamp                                 | 6 x 450W High Pressure Mercury (HPM) lamps or<br>6 x 330W High Pressure Mercury (HPM) lamps  |
| Light output (Average)               | 15,000 lm (450W lamp) / 11,000 lm (330W lamp)  |
| Resolution                           | 4096 x 2160  |
| Contrast ratio (Average)             | 8,000:1  |
| <b>Interface</b>                     |  |
| Video Input                          | HDMI x 2   |
| Audio Output                         | Unbalance 8ch 24bits, 48/96kHz, Linear PCM<br>AES/EBU 16ch 24bits, 48/96kHz, Linear PCM  |
| Ingest                               | USB 3.0 x 2<br>CRU Data Port Slot x 1  |
| System Control                       | GPIs x 8 / GPOs x 16<br>USB 2.0 x 1 (for UPS control)<br>RS-232C x 1 (for Audio Processor Control <sup>*1</sup> )  |
| Network                              | Gigabit Ethernet x 2   |
| <b>Storage and Playback</b>          |  |
| Storage                              | 4TB (Up to 8TB <sup>*2</sup> (option)) Modified RAID 6   |
| Playback (JPEG2000)                  | 4K 2D: 24P<br>2K 2D: 24/25 <sup>*3</sup> /29.97 <sup>*3</sup> /30 <sup>*3</sup> /48/60P<br>2K 3D: 24/29.97 <sup>*3</sup> /30 <sup>*3</sup> /48/60P   |
| Playback (Others)                    | MPEG2 <sup>*4</sup><br>MP@HL YUV4:2:0/4:2:2 8bit Bit rate 80Mbps (max) 1920 x 1080<br>23.09P/24P/25P   |
| <b>General – Projector</b>           |  |
| Dimensions (WxHxD)                   | 548 x 634 x 1119 mm (21.5 x 24.9 x 44 inches) <sup>5</sup>   |
| Mass                                 | Approx. 145kg (319.6 lb) <sup>6</sup>  |
| Power Requirement                    | AC 200 to 240V, 50-60Hz, Single-phase, 21.5A to 18A  |
| Power Consumption                    | 450W lamp: Max. 4.3kW 330W lamp: Max. 3.2kW  |
| Exhaust Airflow                      | 450-550CFM   |
| <b>General – Server</b>              |  |
| Dimensions (WxHxD)                   | 482 x 131 x 560 mm (18.9 x 5.1 x 22 inches)  |
| Mass                                 | Approx. 24kg (52.9 lb)   |
| Power Requirement                    | AC 100 to 240V, 50-60Hz, Single-phase, 2.2A to 1.0A  |
| Power Consumption                    | Max. 240W  |
| <b>General – Touch panel monitor</b> |  |
| Dimensions (WxHxD)                   | 350 x 310 x 57 mm (13.7 x 12.2 x 2.2 inches)   |
| Mass                                 | Approx. 3.6 kg (7.9 lb)  |
| Power Requirement                    | DC12V, 1A, Adaptor: AC 100 to 240V, 50-60Hz, Single-phase  |
| Power Consumption                    | Max. 12W   |
| <b>General – Common</b>              |  |
| Operating Temperature                | 5°C to -35°C (41°F to 95°F)  |
| Operating Humidity                   | 35% to 85% (no condensation)   |
| Storage Temperature                  | -20°C to +60°C (12°F to 140°F)   |
| Storage Humidity                     | 10 to 90%  |
| <b>Other</b>                         |  |
| Safety Regulation                    | <b>Digital Cinema Projector SRX-R515PP</b><br>VCCI Class A, UL 60950-1, CSA C22.2 No.60950-1, FCC/IC Class A Digital Device, IEC 60950-1, EN 60950-1, EN 55022 Class A + EN 55024, EN 61000-3-11 + EN 61000-3-12, AS/NZS CISPR22 (EN 55022) Class A<br><b>Digital Cinema Server XCT-S10</b><br>VCCI Class A, 電気通信事業法, UL 60950-1, CSA C22.2 No.60950-1, FCC/IC Class A Digital Device, IEC 60950-1, EN60950-1, EN 55022 Class A + EN 55024, EN 61000-3-2 + EN 61000-3-3, AS/NZS CISPR22 (EN 55022) Class A<br><b>Touch Panel Monitor LKRA-007</b><br>VCCI Class A, FCC/IC Class A Digital Device, EN 55022 Class A + EN 55024, AS/NZS CISPR22 (EN 55022) Class A |
| Supplied Accessories                 | <b>Digital Cinema Projector SRX-R515P</b><br>Keys for removing panels (5), Safety regulations (1), TPC arm (1 set), Cable clumper (2)<br><b>Digital Cinema Server XCT-S10</b><br>Feet (1 set), PCI express cable (2m) (1), Ethernet cable (2m) (1)<br><b>Touch Panel Monitor LKRA-007</b><br>AC adaptor (1), VGA cable (1), USB cable (1)<br><b>Sony supplies the first set up lamps with every Projector, this is included in the Projector price.</b>  |

| SRX-R515P          |   |   |   |
|--------------------|---|---|---|
| <b>2D Lens</b>     | LKRL-Z511                                       | LKRL-Z514                                       | LKRL-Z519                                       |
| Throw Ratio        | 1.05-1.75                                       | 1.35-2.34                                       | 1.90-4.00                                       |
| V shift            | +/- 35%   |   |   |
| H shift            | +/- 7%  |   |   |
| Dimensions (WxHxD) | 256 x 315 x 429 mm<br>(10 x 12.4 x 16.8 inches) | 256 x 315 x 454 mm<br>(10 x 12.4 x 17.8 inches) | 256 x 315 x 413 mm<br>(10 x 12.4 x 16.2 inches) |
| Mass               | 14.5kg (31.9 lb)                                | 14kg (30.8 lb)                                  | 13kg (28.6 lb)                                  |
| Lamp               | LKRM-U450                                       | LKRM-U330                                       |   |
| Dimensions (WxHxD) | 89 x 122 x 148 mm (3.5 x 4.8 x 5.8 inches)      |   |   |
| Mass               | 510 g (1.1 lb)                                  |   |   |

| Supported signals for HDMI inputs |  |  |
|-----------------------------------|--|--|
| <b>Video</b>                      |  |  |
| Resolution                        | Frame Rate   |  |
| 720 x 480                         | 59.94P / 59.94I / 60I / 60P                          |  |
| 720 x 576                         | 50I / 50P  |  |
| 1280 x 720                        | 50P / 59.94P / 60P                                   |  |
| 1920 x 1080                       | 23.98P/24P / 50I / 50P / 59.94I / 60I / 59.94P / 60P |  |
| 2048 x 1080                       | 23.98P / 24P / 60P                                   |  |
| <b>Computer</b>                   |  |  |
| Resolution                        | Frame Rate   |  |
| VGA (640 x 480)                   | 60   |  |
| XGA (1024 x 768)                  | 60   |  |
| UXGA (1600 x 1200)                | 60   |  |
| WUXGA (1920 x 1200)               | 60   |  |
| <b>3D</b>                         |  |  |
| 3D structure                      | Resolution   | Frame Rate   |
| Frame Packing                     | 1280 x 720   | 50P / 59.94P / 60P                                   |
|                                   | 1920 x 1080  | 23.98P/24P   |
| Top & Bottom                      | 1280 x 720   | 50P / 59.94P / 60P                                   |
|                                   | 1920 x 1080  | 23.98P/24P / 50P / 59.94P / 60P                      |
| Side by Side                      | 1280 x 720   | 50P / 59.94P / 60P                                   |
|                                   | 1920 x 1080  | 50I / 50P / 59.94I / 59.94P / 60I / 60P              |
| Dual Input <sup>*7</sup>          | 1280 x 720   | 50P / 59.94P / 60P                                   |
|                                   | 1920 x 1080  | 23.98P/24P / 50I / 50P / 59.94I / 59.94P / 60I / 60P |

\*1 The tested audio processors are listed below.

Dolby CP650 (ver. 1.2.3.0, ver. 2.2.5.3, ver. 2.3.5.3, ver. 2.3.6.3, ver. 2.3.6.6)  
Dolby CP750 (ver. 1.2.8.3) \* You can also control the CP750 via network.  
GSC DCP300 (ver. 2.00.10, ver. 2.01.30)

\*2 Available in 2013.

\*3 We don't support watermarking on these frame rate.

\*4 We don't support watermarking and handling subtitle file on MPEG2 content.

\*5 It includes lens shift block and adjustable feet and excludes touch panel monitor and projecting parts of the unit such as status light and chimney.

\*6 It excludes lamps, lens, and touch panel monitor.

\*7 Each L and R image is separately fed to two HDMI input.

For full features visit [www.sony.com/dcinemaworldwide](http://www.sony.com/dcinemaworldwide)

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