

Think GAIA  
For Life and the Earth

**SANYO**

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Projectors 2009

Brilliant Ideas.

To find the right presentation system for your needs,  
look no further than SANYO.



Whether it is professional or home cinema, LCD or DLP technology, events, education or business – only SANYO can offer you a presentation system that meets your exact requirements. Our range extends from the ultra-portable lightweight projector for mobile use, which at just 1.6 kg is extremely flexible, to the especially reliable high-end fixed installation for continuous operation with powerful brightness and outstanding image quality.

With this remarkably wide selection, SANYO offers uncompromised solutions for your specific needs in daily use. Outstanding user-friendliness, superb features, flexible accessories and network capability ensure maximum confidence during any presentation. Innovative technology, the integration of the latest standards and the use of high-quality components help to guarantee your investment.

The extensive range of accessories available for SANYO projectors offers special flexibility for individual requirements. With an extensive selection of optional interchangeable lenses and adapter boards, there's something to suit every requirement. We offer a variety of network boxes and professional brackets for convenient configuration and flexible installation of projectors on ceilings and walls.

As one of the leading projector manufacturers worldwide, SANYO ensures that you will fully captivate your audience everywhere – both today and tomorrow.

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### Board Room/Auditorium

Brilliant presentation technology with network capability for meeting rooms and larger viewer numbers, be it a mobile device or a fixed installation.

### Digital Signage

Digital media content for advertising and information systems, such as electronic posters or traffic signs in open spaces, train stations, airports and shopping centres.

### Education & Training Room

Portable and fixed installation presentation systems for schools, universities, seminars, training centres and internal company training.

### Exhibitions & Events

Professional solutions for all trade fairs and events, from the simultaneous running of several systems to 360° projection.

### Major Events

Reliable systems for major sports and cultural events, with brilliant displays on large screens, both indoors and outdoors.

### Home Cinema

Home cinema to suit every need – for a mind-blowing cinematic experience in full HD quality, guaranteed to excite film lovers everywhere.

### Conference Room

Solutions for conference rooms, regardless of size or lighting environment. For brilliant presentations that catch the attention of participants.

### Mobile Use

SANYO's micro-mobile projectors can be used anywhere. Combining low weight and high performance, they are the ideal choice for mobile use, for instance on business trips.

### Professional Cinema

Best digital image quality and simple playback of contents in the area of cinema advertising for E-Cinema.

### Simulation

Professional technology for the realistic simulation of virtual environments, whether for training purposes or for everyday use.

### Gaming

Large-screen-projections provide computer games with an additional thrill and make for the perfect gaming adventure.

## Home Cinema



**NEW**



### Model

Category  
Panel

Lamp  
Brightness ANSI lumens  
Average Lamp Life  
Fan Noise  
Standard Lens  
Throw Distance Ratio  
Throw Distance (Standard Lens)  
Contrast Ratio  
Resolution in pixels  
Image size min.–max. (diagonal)  
Uniformity  
Colour Systems  
Connections

Audio Function  
Keystone Correction  
Lens-Shift / U / D / Ratio

Power Consumption/Voltage  
Warranty  
Dimensions (W x H x D)  
Weight  
Standard Accessories

Optional Accessories

Lenses

### PLV-Z700

Home Cinema  
3 x 0.74" TFT p-Si (16 : 9)

165 W UHP (LMP-114)  
1,200  
3,000 h (eco mode)/2,000 h (normal mode)  
21 dB (eco mode)/28 dB (normal mode)  
F = 2.0–3.0/f = 22.3–45.3 mm  
1.36–2.76 : 1  
1.2–18.4 m  
10,000 : 1  
1,920 x 1,080 (HDTV 1,080p)  
40"–300"  
85%  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/SCART-RGB)  
**Input 2:** HDMI (HDCP)  
**Input 3:** HDMI (HDCP)  
**Input 4:** RCA (Composite)  
**Input 5:** Mini DIN 4 (S-Video)  
**Input 6:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Input 7:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Control Input Jack:** Mini DIN 8 (RS232)

–  
–  
manual 10 : –5 to –5 : 10 vertical 10 : 0 to 0 : 10  
horizontal

187 W (eco mode)/246 W (normal mode)/0.5 W (stand-by mode)/100–240 V  
3 years  
400 x 154 x 346 mm  
7.5 kg  
IR remote control (illuminated), batteries, user manual, power cable, vacuum pump

SCART/D-Sub15 cable (POA-CA-SCART)

2 x wide-angle zoom lens

### PLV-Z3000

Home Cinema  
3 x 0.74" TFT p-Si (16 : 9), micro lens

165 W UHP (LMP-135)  
1,200  
3,000 h (eco mode)/2,000 h (normal mode)  
19 dB (eco mode)  
F = 2.0–3.0/f = 22.3–45.3 mm  
1.36–2.76 : 1  
1.2–18.4 m  
65,000 : 1  
1,920 x 1,080 (HDTV 1,080p)  
40"–300"  
85%  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/SCART-RGB)  
**Input 2:** HDMI (HDCP)  
**Input 3:** HDMI (HDCP)  
**Input 4:** RCA (Composite)  
**Input 5:** Mini DIN 4 (S-Video)  
**Input 6:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Input 7:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Control Input Jack:** Mini DIN 8 (RS232)

–  
–  
manual 10 : –5 to –5 : 10 vertical 10 : 0 to 0 : 10  
horizontal

210 W (eco mode)/257 W (normal mode)/1.2 W (stand-by mode)/100–240 V  
3 years  
400 x 154 x 346 mm  
7.5 kg  
IR remote control (illuminated), batteries, user manual, power cable, vacuum pump

SCART/D-Sub15 cable (POA-CA-SCART)

2 x wide-angle zoom lens

### PLC-XE32

Education  
3 x 0.6" TFT p-Si (4 : 3), micro lens

200 W UHP (LMP-107)  
1,500  
3,000 h (normal mode)/2,000 h (high mode)  
25 dB (normal mode)/30 dB (high mode)  
F = 1.65–1.83/f = 22.5–27.0 mm  
1.77–2.17 : 1  
1.4–13.2 m  
400 : 1  
1,024 x 768 (XGA)  
40"–300"  
85%  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/Component/S-Video)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Composite)  
**Audio In:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/-20°  
6 : 1 (Fixed U/D-Ratio)

205 W (normal mode)/250 W (high mode)/9 W (stand-by mode)/100–240 V  
3 years, 3 year lamp warranty (max 3000 hours)  
330 x 98 x 237 mm  
2.9 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGGA) including mouse function (POA-RCKIT04)

Standard lens

### PLC-WXE45

Education  
3 x 0.59" Polysilicon TFT(16:10)

200 W UHP  
1,500  
3,000h (normal mode)/2,000h (high brightness)  
31 dB (normal mode)/38 dB (high brightness)  
F = 1.8, f=6.6mm  
80" Image @ 86cm  
0.53m – 1.20m  
500 : 1  
1,280 x 800  
50" – 110"  
80 %  
NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N  
**Input 1:** 1 x Dsub15 (RGB, Component)  
**Input 2:** 1 x Dsub15 (RGB, Monitor out)  
**Input 3:** 1 x Mini Din 4 pin (S-Video)  
**Input 4:** 1 x RCA (Composite)  
**Audio In:** 1 x Mini Jack, 2 x RCA  
**Audio Out:** 1 x Mini Jack (Variable)  
**Control:** Mini Din 8-PIN (RS232)  
**Network:** (RJ45)

–  
vertical +/-20°  
–

190 W (normal mode)/250 W (high brightness mode)/ 9.4W (standby mode)  
3 years  
435 x 274 x 420mm  
6.5kg  
Quick Reference Guide, Owners Manual (CD), Power Cable, Computer Cable (Dsub15-Dsub15), Remote Control and batteries, Network CD

POA-CA-COMPVGGA (Component- VGA Cable), POA-CA-Scart (Scart-VGA Cable), POA-MCSRL (Dsub9-Mini DIN 8 pin), Wall Mount bracket (ST-Boom-WH)

Standard Lens

### PLC-XW57

Business & Education  
3 x 0.6" TFT p-Si (4 : 3), micro lens

200 W SHP (LMP-122)  
2,000  
3,000 h (eco mode)/2,000 h (normal mode)  
26 dB (eco mode)/31 dB (normal mode)  
F = 1.65–1.83/f = 22.5–27.0 mm  
1.78–2.15 : 1  
1.4–13.2 m  
600 : 1  
1,024 x 768 (XGA)  
40"–300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Composite)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/-20°  
6 : 1 (Fixed U/D-Ratio)

200 W (eco mode)/240 W (normal mode)/ 9 W (stand-by mode)/100–240 V  
3 years  
330 x 97.9 x 237 mm  
2.9 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGGA), presentation kit including mouse function (POA-RCKIT04)

Standard lens

### PLC-XW60

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

165 W UHP (LMP-123)  
2,000  
3,500 h (eco mode)/2,000 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.77–1.99/f = 17.4–21.1 mm  
1.33–1.62 : 1  
1.1–10 m  
600 : 1  
1,024 x 768 (XGA)  
40"–300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Composite)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/-20°  
6 : 1 (Fixed U/D Ratio)

188 W (eco mode)/219 W (normal mode)/3.8 W (stand-by mode)/100–240 V  
3 years  
265 x 74 x 189 mm  
1.6 kg  
IR remote control, batteries, user manual, power cable, PIN code label, carrier bag, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGGA), presentation kit including mouse function (POA-RCKIT04)

Standard lens

### PLC-XL45

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

200 W UHP (LMP-106)  
2,000  
3,000 h (eco mode)/1,500 h (normal mode)  
31 dB (eco mode)/38 dB (normal mode)  
F = 1.85/f = 8.1 mm  
0.62 : 1  
0.73–0.98 m  
450 : 1  
1,024 x 768 (XGA)  
60"–80"  
80 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/Component/Scart-RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Composite)  
**Input 4:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack 1:** Mini DIN 8 (RS232)  
**Control Input Jack 2:** USB type B

1 W mono  
vertical +/-20°  
10 : –1.2 (Fixed U/D-Ratio)

230 W (eco mode)/275 W (normal mode)/ 9 W (stand-by mode)/100–240 V  
3 years  
320 x 148 x 292 mm  
3.2 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGGA), presentation kit including mouse function (POA-RCKIT04), Wall mount bracket (ST-Boom-WH)

Wide-angle lens



**NEW**

**Model**

Category  
Panel

Lamp  
Brightness ANSI lumens  
Average Lamp Life  
Fan Noise  
Standard Lens  
Throw Distance Ratio  
Throw Distance (Standard Lens)  
Contrast Ratio  
Resolution in pixels  
Image size min.–max. (diagonal)  
Uniformity  
Colour Systems  
Connections

Audio Function  
Keystone Correction  
Lens-Shift / U / D / Ratio

Power Consumption/Voltage  
Warranty  
Dimensions (W x H x D)  
Weight  
Standard Accessories

Optional Accessories

Lenses

**PLC-XL50**

Business & Education  
3 x 0.8" TFT p-Si (4 : 3), micro lens

275 W UHP (LMP-121)  
2,000  
3,000 h (eco mode)/2,000 h (normal mode)  
29 dB (eco mode)/34 dB (normal mode)  
F = 1.85/f = 4.83 mm  
80° projection from a distance of 8.1 cm  
-0.04 – 0.081 m  
600 : 1  
1,024 x 768 (XGA)  
60°–80°  
80 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/SCART-RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Input 4:** RCA (Composite)  
**Input 5:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

2 W mono  
vertical +/--5°  
-/-

330 W (eco mode)/390 W (normal mode)/10 W (stand-by mode)/100–240 V  
3 years  
374 x 201 x 495 mm  
7.6 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, alarm function, PIN code label, stand

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), presentation kit including mouse function (POA-RCKIT04), wall mount (SST Bracket-WH)

Extreme wide-angle lens

**PLC-XW65**

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

175 W UHP (LMP-129)  
2,500  
3,500 h (eco mode)/2,000 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.77–1.99/f = 17.4–21.1 mm  
1.71–2.06 : 1  
1.4–12.6 m  
600 : 1  
1,024 x 768 (XGA)  
40°–300°  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/Component/S-Video)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Composite)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/--20°  
6 : 1 (Fixed U/D-Ratio)

185 W (eco mode)/225 W (normal mode)/ 4 W (stand-by mode)/100–240 V  
3 years  
265 x 74 x 189 mm  
1.6 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), presentation kit including mouse function (POA-RCKIT04)

Standard lens

**PLC-XU75**

Business & Education  
3 x 0.63" TFT p-Si (4 : 3)

200 W UHP (LMP-115)  
2,500  
3,000 h (eco mode)/1,500 h (normal mode)  
28 dB (eco mode)/33 dB (normal mode)  
F = 1.65–1.81/f = 22.5–27.0 mm  
1.71–2.06 : 1  
1.4–12.6 m  
600 : 1  
1,024 x 768 (XGA)  
40°–300°  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/Component/SCART-RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Video)  
**Input 4:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D-Ratio)

189 W (eco mode)/255 W (normal mode)/ 10.2 W (stand-by mode)/100–240 V  
3 years, 3 year lamp warranty (max 3000 hours)  
335 x 93 x 238.4 mm  
3.1 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cap

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), presentation kit including mouse function (POA-RCKIT04)

Standard lens

**PLC-XC50**

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

220 W UHP (LMP-127)  
2,600  
3,000 h (eco mode)/1,500 h (normal mode)  
27 dB (eco mode)/34 dB (normal mode)  
F = 1.60–1.76/f = 22.33–26.80 mm  
1.72–2.07 : 1  
1.4–12.7 m  
600 : 1  
1,024 x 768 (XGA)  
40°–300°  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-I (digital/HDCP/analogue)  
**Input 2:** D-Sub15 (RGB/Component)  
**Input 3:** Mini DIN 4 (S-Video)  
**Input 4:** RCA (Composite)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Monitor output:** D-Sub15  
**Control Input Jack:** D-Sub9 (RS232)

7 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D-Ratio)

205 W (eco mode)/281 W (normal mode)/3.7 W (stand-by mode)/100–240 V  
3 years  
410 x 111.2 x 266.8 mm  
4 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), Security bracket (SANYOBOSS1)

Standard lens

**PLC-XL51**

Business & Education  
3 x 0.8" TFT p-Si (4 : 3), micro lens

275 W NSH (LMP-121)  
2,700  
3,000 h (eco mode)/2,000 h (normal mode)  
32 dB (eco mode)/36 dB (normal mode)  
F = 1.85/f = 4.83 mm  
1.72–2.07 : 1  
-0.04–0.081 m  
1,200 : 1  
1,024 x 768 (XGA)  
60°–80°  
80 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/SCART RGB)  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** 3 x RCA (Y-Pb/Cb-Pr/Cr)  
**Input 4:** RCA (Composite)  
**Input 5:** Mini DIN 4 (S-Video)  
**Input 6:** RJ45 (LAN)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)  
**Others:** SD media slot, integrated wireless function

2 W mono  
vertical +/--5°  
-/-

340 W (eco mode)/400 W (normal mode)/12 W (stand-by mode)/100–240 V  
3 years  
374 x 201 x 495 mm  
7.7 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, alarm function, PIN code label, stand

SCART/D-Sub15 cable (POA-CA-SCART), wall mount (POA-CH-EX03), wall mount (SST Bracket-WH)

Extreme wide-angle lens

**PLC-XU78**

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

220 W UHP (LMP-115)  
3,000  
3,000 h (eco mode)/1,500 h (normal mode)  
29 dB (eco mode)/34 dB (normal mode)  
F = 1.65–1.81/f = 22.5–27.0 mm  
1.72–2.07 : 1  
1.4–12.6 m  
450 : 1  
1,024 x 768 (XGA)  
40°–300°  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB/Component/SCART-RGB), SCART-RGB with corresponding adapter cable, see "Optional Accessories"  
**Input 2:** D-Sub15 (RGB) or Monitor Out  
**Input 3:** RCA (Video)  
**Input 4:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D-Ratio)

205 W (eco mode)/290 W (normal mode)/11.5 W (stand-by mode)/100–240 V  
3 years  
335 x 90 x 238.4 mm  
3.1 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cap

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), presentation kit including mouse function (POA-RCKIT04)

Standard lens

**PLC-XU305**

Business & Education  
3 x 0.63" TFT Polysilicon (4:3), Micro Lens

225 W UHP  
3,000  
2,500 h (eco mode)/1,500 h (normal mode)  
29 dB (eco mode)/34 dB (normal mode)  
F=1.65-2.33, f=15.47-24.53mm  
1.18-1.91:1  
0.69-7.23m  
500 : 1  
1,024 x 768 (XGA)  
30°–300°  
85 %  
NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N  
**Input 1:** 1 x Dsub-15 (RGB, Component, Scart RGB)  
**Input 2:** 1 x DVI-I (Digital & Analog)  
**Input 3:** 1 x RCA (Composite Video)  
**Input 4:** 1 x Mini DIN 4pin (S-Video)  
**Audio Input:** 2 x Mini Jack  
**Audio Input 2:** 2 x RCA (R/L, Mono)  
**Output:** 1 x Dsub-15 (Monitor out)  
**Output:** 1 x Mini Jack (Audio out, Variable)  
**Control:** 1 x USB-A (Mouse Control)  
**Network:** 1 x RJ45 (Wired LAN)  
1 x USB-A (Memory Stick Viewer)

1 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D-Ratio)

240 W (eco mode)/310 W (normal mode)/10.5 W (stand-by mode)  
3 years  
326 x 92.6 x 266.8mm  
2.9kg  
Quick reference Guide, User Manual (CD ROM), Computer Cable (Dsub15 – Dsub15), Power Cable, Remote Control and Batteries, Network Software (CD ROM), Easy wireless setup software (USB Memory)

POA-CA-COMPVGA (Component – Dsub15 Cable), POA-CA SCART (Scart – Dsub15)

Standard Lens





**NEW**



**NEW**



**NEW**



**Model**

Category  
Panel

Lamp  
Brightness ANSI lumens  
Average Lamp Life  
Fan Noise  
Standard Lens  
Throw Distance Ratio  
Throw Distance (Standard Lens)  
Contrast Ratio  
Resolution in pixels  
Image size min.–max. (diagonal)  
Uniformity  
Colour Systems  
Connections

Audio Function  
Keystone Correction  
Lens-Shift / U / D / Ratio

Power Consumption/Voltage  
Warranty  
Dimensions (W x H x D)  
Weight  
Standard Accessories

Optional Accessories

Lenses

**PLC-XU300**

Business & Education  
3 x 0.63" TFT Polysilicon (4:3)

225 W UHP  
3,000  
2,500 h (eco mode)/2,000 h (normal mode)  
29 dB (eco mode)/34 dB (normal mode)  
F = 1.6-1.76/f = 22.3-26.8 mm  
1.72-2.07 : 1  
1.39-12.7 m  
600 : 1  
1,024 x 768 (XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** Dsub15 (RGB, Component, Scart RGB)  
**Input 2:** Dsub15 (Switchable)  
**Input 3:** RCA (Composite Video)  
**Input 4:** Mini DIN 4-PIN (S-Video)  
**Audio:** 2 x RCA, 1 x Mini Jack  
**Control Input Jack 1:** RJ45 (Wired LAN)  
**Control Input Jack 2:** Dsub9 (RS232)

1 W mono  
vertical +/--30°  
9 : 1 (Fixed U/D Ratio)

225 W (eco mode)/287 W (normal mode)/  
3.2 W (stand-by mode)  
3 years  
326 x 92.6 x 231.6 mm  
4 kg  
Quick Reference Guide, User Manual (CD ROM),  
Computer Cable (Dsub15-Dsub15), Power Cable,  
Remote Control, PJ Network Manager Software  
(CD ROM), Soft Carry Bag

POA-CA-COMPVGA (Component- Dsub15 Cable),  
components/D-Sub15 cable (POA-CA-SCART)

Standard lens

**PLC-XC55**

Business & Education  
3 x 0.63" TFT p-Si (4 : 3), micro lens

220 W UHP (LMP-127)  
3,100  
3,000 h (eco mode)/1,500 h (normal mode)  
27 dB (eco mode)/34 dB (normal mode)  
F = 1.60-1.76/f = 22.33-26.80 mm  
1.72-2.07 : 1  
1.4-12.7 m  
600 : 1  
1,024 x 768 (XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-I (digital/HDCP/analogue)  
**Input 2:** D-Sub15 (RGB/Component)  
**Input 3:** Mini DIN 4 (S-Video)  
**Input 4:** RCA (Composite)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Monitor output:** D-Sub15  
**Control Input Jack:** D-Sub9 (RS232)

7 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D-Ratio)

205 W (eco mode)/281 W (normal mode)/3.7 W  
(stand-by mode)/100-240 V  
3 years  
410 x 111.2 x 266.8 mm  
4 kg  
IR remote control, batteries, user manual, power  
cable, D-Sub15 cable, PIN code label

SCART/D-Sub15 cable (POA-CA-SCART),  
components/D-Sub15 cable (POA-CA-  
COMPVGA), Security bracket (SANYOBOSS1)

Standard lens

**PLC-XU355**

Business & Education  
3 x 0.63" TFT Polysilicon (4:3), Micro Lens

225 W UHP  
3,500  
2,500 h (eco mode)/1,500 h (normal mode)  
29 dB (eco mode)/34 dB (normal mode)  
F = 1.65-2.33, f = 15.47-24.53mm  
1.18-1.91 : 1  
0.69-12.3m  
500 : 1  
1,024 x 768 (XGA)  
30"-300"  
85 %  
NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N  
**Input 1:** 1 x Dsub-15 (RGB, Component, Scart  
RGB)  
**Input 2:** 1 x DVI-I (Digital & Analog)  
**Input 3:** 1 x RCA (Composite Video)  
**Input 4:** 1 x Mini DIN 4pin (S-Video)  
**Audio Input:** 2 x Mini Jack  
**Audio Input:** 2 x RCA (R/L, Mono)  
**Output:** 1 x Dsub-15 (Monitor out)  
**Output:** 1 x Mini Jack (Audio out, Variable)  
**Control:** 1 x Dsub-9 (RS232)  
**Control:** 1 x USB-A (Mouse Control)  
**Network:** 1 x RJ45 (Wired LAN)  
1 x USB-A (Memory Stick Viewer)

1 W mono  
vertical +/--20°  
9 : 1 (Fixed U/D Ratio)

240 W (eco mode)/310 W (normal mode)/10.5 W  
(stand-by mode)  
3 years  
326 x 92.6 x 266.8mm  
2.9kg  
Quick reference Guide, User Manual (CD ROM),  
Computer Cable (Dsub15 - Dsub15), Power  
Cable, Remote Control and Batteries, Network  
Software (CD ROM), Easy wireless setup  
software (USB Memory)

POA-CA-COMPVGA (Component - Dsub15  
Cable), POA-CA SCART (Scart - Dsub15)

Standard Lens

**PLC-XU350**

Business & Education  
3 x 0.63" TFT Polysilicon (4 : 3)

225 W UHP  
3,500  
2,500 h (eco mode)/2,000 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.6-1.76/f = 22.3-26.8 mm  
1.72-2.07 : 1  
1.39-12.7 m  
500 : 1  
1,024 x 768 (XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** Dsub15 (RGB, Component, Scart RGB)  
**Input 2:** Dsub15 (Switchable)  
**Input 3:** RCA (Composite Video)  
**Input 4:** Mini DIN 4-PIN (S-Video)  
**Audio:** 2 x RCA, 1 x Mini Jack  
**Control Input Jack 1:** RJ45 (Wired LAN)  
**Control Input Jack 2:** Dsub9 (RS232)

1 W Mono  
vertical +/--30°  
9 : 1 (Fixed U/D Ratio)

225 W (eco mode)/287 W (normal mode)/  
3.2 W (stand-by mode)  
3 years  
326 x 92.6 x 231.6 mm  
2.6 kg  
Quick Reference Guide, User Manual (CD ROM),  
Computer Cable (Dsub15-Dsub15), Power Cable,  
Remote Control, PJ Network Manager Software  
(CD ROM), Soft Carry Bag

POA-CA-COMPVGA (Component- Dsub15 Cable),  
POA-CA-SCART (Scart-Dsub15 Cable)

Standard lens

**PLC-WXU30**

Business & Education  
3 x 0.74" TFT p-Si (16 : 10), micro lens

275 W NSH (LMP-111)  
3,700  
3,000 h (eco mode)/2,500 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.7-2.5/f = 19.2-30.2 mm  
1.17-1.86 : 1  
0.99-12.1 m  
500 : 1  
1,280 x 800 (W-XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-I (digital/HDCP/analogue)  
**Input 2:** D-Sub15 (RGB/Component/SCART-RGB)  
**Input 3:** RCA (Composite)  
**Input 4:** Mini DIN 4 (S-Video)  
**Input 5:** RJ45 (LAN)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Monitor output:** D-Sub15  
**Control Input Jack 1:** USB type B (Mouse  
Control)  
**Control Input Jack 2:** Mini DIN 8 (RS232)Control  
**Input Jack 3:** 3.5 mm Stereo Jack (cable remote  
control)  
**Others:** SD media slot, integrated wireless  
function

1 W mono  
vertical +/--40°  
49 : 1 (Fixed U/D-Ratio)

278 W (eco mode)/346 W (normal mode)/12 W  
(stand-by mode)/100-240 V  
3 years  
334 x 93 x 257 mm  
3.6 kg  
IR/cable remote control, batteries, user manual,  
power cable, D-Sub15 cable, alarm function, PIN  
code label, carrier bag, lens cover with cord, CD-  
ROM for network module

SCART/D-Sub15 cable (POA-CA-SCART),  
components/D-Sub15 cable (POA-CA-COMPVGA)

Standard lens

**PLC-XU105**

Business & Education  
3 x 0.8" TFT p-Si (4 : 3), micro lens

275 W NSH (LMP-111)  
4,500  
3,000 h (eco mode)/2,500 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.7-2.5/f = 19.2-30.2 mm  
1.15-1.85 : 1  
0.93-11.47 m  
500 : 1  
1,024 x 768 (XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB)  
**Input 2:** D-Sub15 (RGB/Component/SCART-RGB)  
**Input 3:** RCA (Composite)  
**Input 4:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Monitor output:** D-Sub15  
**Control Input Jack:** Mini DIN 8 (RS232)

1 W mono  
vertical +/--40°  
9 : 1 (Fixed U/D-Ratio)

266 W (eco mode)/302 W (normal mode)/  
12 W (stand-by mode)/100-240 V  
3 years  
334 x 93 x 257 mm  
3.5 kg  
IR remote control, batteries, user manual, power  
cable, D-Sub15 cable, serial control cable (Mini  
DIN 8-D-Sub9), PIN code label, carrier bag, lens  
cover with cord

SCART/D-Sub15 cable (POA-CA-SCART),  
components/D-Sub15 cable (POA-CA-  
COMPVGA), presentation kit including mouse  
function (POA-RCKIT04)

Standard lens

**PLC-XU115**

Business & Education  
3 x 0.8" TFT p-Si (4 : 3), micro lens

275 W NSH (LMP-111)  
4,500  
3,000 h (eco mode)/2,500 h (normal mode)  
30 dB (eco mode)/34 dB (normal mode)  
F = 1.7-2.5/f = 19.2-30.2 mm  
1.15-1.85 : 1  
0.93-11.47 m  
500 : 1  
1,024 x 768 (XGA)  
40"-300"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-I (digital/HDCP/analogue)  
**Input 2:** D-Sub15 (RGB/Component/SCART-RGB)  
**Input 3:** RCA (Composite)  
**Input 4:** Mini DIN 4 (S-Video)  
**Input 5:** RJ45 (LAN)  
**Audio:** 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
**Audio output:** 3.5 mm Stereo Jack  
**Monitor output:** D-Sub15  
**Control Input Jack 1:** USB type B (Mouse  
Control)  
**Control Input Jack 2:** Mini DIN 8 (RS232)  
**Control Input Jack 3:** 3.5 mm Stereo Jack (cable  
remote control)  
**Others:** SD media slot, integrated wireless  
function

1 W mono  
vertical +/--40°  
9 : 1 (Fixed U/D-Ratio)

269 W (eco mode)/305 W (normal mode)/  
12 W (stand-by mode)/100-240 V  
3 years  
334 x 93 x 257 mm  
3.5 kg  
IR/cable remote control, batteries, user manual,  
power cable, D-Sub15 cable, serial control cable  
(Mini DIN 8-D-Sub9), PIN code label, carrier bag,  
lens cover with cord, CD-ROM for network  
module

SCART/D-Sub 15 cable (POA-CA-SCART),  
components/D-Sub15 cable (POA-CA-COMPVGA)

Standard lens



NEW



Model

Category  
Panel

Lamp  
Brightness ANSI lumens  
Average Lamp Life  
Fan Noise  
Standard Lens  
Throw Distance Ratio  
Throw Distance (Standard Lens)  
Contrast Ratio  
Resolution in pixels  
Image size min.–max. (diagonal)  
Uniformity  
Colour Systems  
Connections

Audio Function  
Keystone Correction  
Lens-Shift / U / D / Ratio

Power Consumption/Voltage  
Warranty  
Dimensions (W x H x D)  
Weight  
Standard Accessories

Optional Accessories

Lenses

PLC-XT21L

Professional  
3 x 1.0" TFT p-Si (4 : 3)

300 W UHP (LMP-105)  
4,000  
3,000 h (eco mode)/2,500 h (normal mode)  
31 dB (eco mode)/35 dB (normal mode)  
F = 1.7 – 2.1/f = 33–43 mm  
1.6–2.1 : 1  
1.2–10.0 m  
1,000 : 1  
1,024 x 768 (XGA)  
30"–300"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: DVI-D (digital/HDCP)  
Input 2: D-Sub15 (RGB)  
Input 3: 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
Input 4: RCA (Composite)  
Input 5: Mini DIN 4 (S-Video)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: Mini DIN 8 (RS232)  
Control Input Jack 2: USB type B  
Control Input Jack 3: 3.5 mm Stereo Jack (cable remote control)

1 W mono  
vertical +/-40°  
10 : 0 to 1 : 1 vertical (applies to LNS-S10/W10/T10/T11)1 : 1 vertical (applies to LNS-W11)1.857 : 1 to 1 : 1.857 horizontal (applies to LNS-S10/W10/T10/T11)1 : 1 horizontal (applies to LNS-W11)

360 W (eco mode)/395 W (normal mode)/ 12 W (stand-by mode)/100–240 V  
3 years  
348.1 x 164 x 444 mm  
8.7 kg  
IR remote control with laser pointer and mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, PIN code label

PJ Net Organizer Plus II with video camera (POA-PN03C)

5 interchangeable lenses

PLC-XT35L

Professional  
3 x 1.0" TFT p-Si (4 : 3), micro lens

330 W NSH (LMP-116)  
5,000  
3,000 h (eco mode)/2,500 h (normal mode)  
35 dB (eco mode)/39 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,000 : 1  
1,024 x 768 (XGA)  
30"–300"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: DVI-D (digital/HDCP)  
Input 2: D-Sub15 (RGB)  
Input 3: 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
Input 4: RCA (Composite)  
Input 5: Mini DIN 4 (S-Video)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: Mini DIN 8 (RS232)  
Control Input Jack 2: USB type B  
Control Input Jack 3: 3.5 mm Stereo Jack (cable remote control)

1 W mono  
vertical +/-40°  
10 : 0 to 1 : 1 vertical (applies to LNS-S11/W10/T10/T11)1 : 1 vertical (applies to LNS-W11)1.857 : 1 to 1 : 1.857 horizontal (applies to LNS-S11/W10/T10/T11)1 : 1 horizontal (applies to LNS-W11)

400 W (eco mode)/455 W (normal mode)/ 13 W (stand-by mode)/100–240 V  
3 years  
348.1 x 164 x 444 mm  
8.1 kg  
IR/cable remote control with laser pointer and mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, mouse cable (serial), PIN code label

PJ Net Organizer Plus II with video camera (POA-PN03C)

5 interchangeable lenses

PLC-ET30L

Business & Education  
3 x 1.0" TFT p-Si (4 : 3)

330 W NSH (LMP-116)  
4,200  
3,000 h (eco mode)/2,500 h (normal mode)  
35 dB (eco mode)/39 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,300 : 1  
1,400 x 1,050 (S-XGA+)  
30"–300"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: DVI-D (digital/HDCP)  
Input 2: D-Sub15 (RGB)  
Input 3: 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
Input 4: RCA (Composite)  
Input 5: Mini DIN 4 (S-Video)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: Mini DIN 8 (RS232)  
Control Input Jack 2: USB type B  
Control Input Jack 3: 3.5 mm Stereo Jack (cable remote control)

1 W mono  
vertical +/-40°  
10 : 0 to 1 : 1 vertical (applies to LNS-S11/W10/T10/T11)1 : 1 vertical (applies to LNS-W11)1.857 : 1 to 1 : 1.857 horizontal (applies to LNS-S11/W10/T10/T11)1 : 1 horizontal (applies to LNS-W11)

400 W (eco mode)/455 W (normal mode)/ 13 W (stand-by mode)/100–240 V  
3 years  
348.1 x 164 x 444 mm  
8.1 kg  
IR remote control with laser pointer and mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, mouse cable (serial), PIN code label

PJ Net Organizer Plus II with video camera (POA-PN03C)

5 interchangeable lenses

PLV-80L

Professional  
3 x 1.2" TFT p-Si (16 : 9), micro lens

300 W UHP (LMP-98)  
3,000  
2,000 h (eco mode)/1,500 h (normal mode)  
33 dB (eco mode)/39 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,000 : 1  
1,366 x 768 (W-XGA)  
28"–400"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: DVI-D (digital/HDCP)  
Input 2: D-Sub15 (RGB)  
Input 3: 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
Input 4: 3 x RCA (Video/Y-Pb/Cb-Pr/Cr)  
Input 5: Mini DIN 4 (S-Video)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Control Input Jack 1: Mini DIN 8 (RS232)  
Control Input Jack 2: 3.5 mm Stereo Jack (cable remote control)

2 x 2 W stereo  
vertical +/-30°, horizontal +/-20°  
7 : -1 to 1 : 1 vertical (applies to LNS-S30/W31A/T31AT32)1 : 1 vertical (applies to LNS-W32)

360 W (eco mode)/450 W (normal mode)/ 14.5 W (stand-by mode)/100–240 V  
3 years  
319 x 168 x 429.5 mm  
7.9 kg  
IR/cable remote control with laser pointer and mouse function, batteries, user manual, power cable, USB cable, PIN code label, lens cap

PJ Net Organizer Plus (POA-PN40)

6 interchangeable lenses

PDG-DWT50L

Professional  
1 x 0.65" DMD Chip (15 : 9)

2 x 260 W UHP (LMP-117)  
4,500  
2,500 h (eco mode)/2,000 h (normal mode)  
34 dB (eco mode)/37 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,100 : 1  
1,280 x 768 (W-XGA)  
40"–500"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: D-Sub15 (RGB)  
Input 2: 5 x BNC (RGBHV/Y-Pb/Cb-Pr/Cr)  
Input 3: DVI-D (digital/HDCP)  
Input 4: 3 x RCA (Y-Pb/Cb-Pr/Cr)  
Input 5: Mini DIN 4 (S-Video)  
Input 6: RCA (Composite)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: D-Sub15  
Control Input Jack 2: 3.5 mm Stereo Jack (cable remote control)  
Control Input Jack 3: D-Sub9 (RS232)  
Control Input Jack 4: RJ45 (LAN)  
Control Input Jack 5: USB type B  
Others: 3.5 mm Stereo Jack (screen trigger output)

vertical +/-40°, horizontal +/-35°  
1 : 1 vertical (applies to LNS-W41)10 : 0 to 1 : 1 vertical (applies to LNS-S40/T40/T41/W40)1 : 1 horizontal (applies to LNS-W41)2 : 3 to 3 : 2 horizontal (applies to LNS-S40/T40/T41/W40)

580 W (eco mode)/690 W (normal mode)/5 W (stand-by mode)/100–240 V  
3 years, 24/7  
505 x 204 x 385 mm  
16.5 kg  
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cap, anti theft screw for lens

6-segment colour wheel (POA-CW01)

5 interchangeable lenses

PLC-XTC50L

Professional  
3 x 1.0" TFT p-Si (4 : 3)

2 x 330 W NSH (LMP-125), ALSS  
5,000  
3,000 h (eco mode)/2,500 h (normal mode)  
32 dB (eco mode)/36 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,100 : 1  
1,024 x 768 (XGA)  
30"–300"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: DVI-D (digital/HDCP)  
Input 2: D-Sub15 (RGB)  
Input 3: 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
Input 4: Mini DIN 4 (S-Video)  
Input 5: RCA (Composite)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: D-Sub9 (RS232)  
Control Input Jack 2: USB type B  
Control Input Jack 3: 3.5 mm Stereo Jack (cable remote control)

2 x 3 W stereo  
vertical +/-40°, horizontal +/-20°  
10 : 0 bis 1 : 1 vertical (applies to LNS-S11/W10/T10/T11)1 : 1 vertical (applies to LNS-W11)1.857 : 1 bis 1 : 1.857 horizontal (applies to LNS-S11/W10/T10/T11)1 : 1 horizontal (applies to LNS-W11)

440 W (eco mode)/495 W (normal mode)/3.5 W (stand-by mode)/100–240 V  
3 years  
451 x 175 x 550 mm  
14.7 kg  
IR remote control with laserpointer and mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, PIN code label

PJ Net Organizer Plus II with video camera (POA-PN03C)

5 interchangeable lenses

PDG-DXT10L

Professional  
1 x 0.7" DMD Chip (4 : 3)

2 x 260 W UHP (LMP-117)  
5,200  
2,500 h (eco mode)/2,000 h (normal mode)  
34 dB (eco mode)/36 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,100 : 1  
1,024 x 768 (XGA)  
40"–500"  
85 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
Input 1: D-Sub15 (RGB)  
Input 2: 5 x BNC (RGBHV/Y-Pb/Cb-Pr/Cr)  
Input 3: DVI-D (digital/HDCP)  
Input 4: 3 x RCA (Y-Pb/Cb-Pr/Cr)  
Input 5: Mini DIN 4 (S-Video)  
Input 6: RCA (Composite)  
Audio: 3.5 mm Stereo Jack, 2 x RCA (R/L mono)  
Audio output: 3.5 mm Stereo Jack  
Monitor output: D-Sub15  
Control Input Jack 1: D-Sub15  
Control Input Jack 2: 3.5 mm Stereo Jack (cable remote control)  
Control Input Jack 3: D-Sub9 (RS232)  
Control Input Jack 4: RJ45 (LAN)  
Control Input Jack 5: USB type B  
Others: 3.5 mm Stereo Jack (screen trigger output)

vertical +/-40°, horizontal +/-35°  
1 : 1 vertical (applies to LNS-W41)1 : 1 to 10 : 0 vertical (applies to LNS-S40/T40/T41/W40)1 : 1 horizontal (applies to LNS-W41)2 : 3 to 3 : 2 horizontal (applies to LNS-S40/T40/T41/W40)

580 W (eco mode)/690 W (normal mode)/5 W (stand-by mode)/100–240 V  
3 years, 24/7  
505 x 204 x 385 mm  
16.5 kg  
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cap, anti theft screw for lens

6-segment colour wheel (POA-CW01)

5 interchangeable lenses



Model

Category  
Panel

Lamp  
Brightness ANSI lumens  
Average Lamp Life  
Fan Noise  
Standard Lens  
Throw Distance Ratio  
Throw Distance (Standard Lens)  
Contrast Ratio  
Resolution in pixels  
Image size min.–max. (diagonal)  
Uniformity  
Colour Systems  
Connections

Audio Function  
Keystone Correction  
Lens-Shift / U / D / Ratio

Power Consumption/Voltage  
Warranty  
Dimensions (W x H x D)  
Weight  
Standard Accessories

Optional Accessories

Lenses

PLC-EF60A

Professional  
3 x 1.4" TFT p-Si (4 : 3), micro lens

2 x 300 W UHP (LMP-104)  
5,800  
3,000 h (eco mode)/1,500 h (normal mode)  
39 dB (eco mode)/42 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,300 : 1  
1,400 x 1,050 (S-XGA+)  
30"–500"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB), DVI-D (digital/HDCP)  
**Input 2:** 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
**Input 3:** 3 x RCA (Video/Y-Pb/Cb-Pr/Cr), Mini DIN 4 (S-Video)  
**Input 4:** freely configurable with optional interface boards  
**Input 5:** freely configurable with optional interface boards  
**Control Input Jack 1:** D-Sub9 (RS232)  
**Control Input Jack 2:** USB type B (Mouse Control)  
**Control Input Jack 3:** 3.5 mm Stereo Jack (cable remote control)  
**Control output:** D-Sub9 (RS232)  
**Others:** USB type A (USB-Key)

vertical +/-40°, horizontal +/-30°  
1 : 1 vertical (applies to LNS-W03/W07)2.5 : 1 to 1 : 2.5 vertical (applies to LNS-W05)10 : 0 to 0 : 10 vertical (applies to all other lenses)1 : 1 horizontal (applies to LNS-W03/W05/W07)2 : 3 to 3 : 2 horizontal (applies to all other lenses)

720 W (eco mode)/900 W (normal mode)/ 13 W (stand-by mode)/100–240 V  
3 years,  
518 x 252 x 606 mm  
24.7 kg  
Wireless remote control, batteries, user manual, power cable, D-Sub15 cable, software for Real Colour Manager Pro, 2 lens adapters

6 optional adapter boards: DVI-I Board (POA-MD18DVI), D-Sub15 Board (POA-MD04VGA), 5 BNC Board (POA-MD16VD1), HD-SD-SDI Board (POA-MD17SDID), Network Board (POA-MD19NET), Warp & Blending Board (POA-MD21WARP)

13 interchangeable lenses

PLV-WF20

Professional  
3 x 1.2" TFT p-Si (17 : 10)

2 x 330 W NSH (LMP-104)  
6,000  
3,000 h (eco mode)/2,000 h (normal mode)  
47 dB (eco mode)/50 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,000 : 1  
1,366 x 800 (W-XGA)  
30"–400"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB), DVI-D (digital/HDCP)  
**Input 2:** Mini DIN 4 (S-Video), 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
**Input 3:** freely configurable with optional interface boards  
**Input 4:** freely configurable with optional interface boards  
**Control Input Jack 1:** D-Sub9 (RS232)  
**Control Input Jack 2:** 3.5 mm Stereo Jack (cable remote control)  
**Control output:** D-Sub9 (RS232)

vertical +/-40°, horizontal +/-20°  
10 : 0 to 0 : 10 vertical (applies to LNS-W05)1 : 1 vertical (applies to LNS-W03/W06/W07)10 : -3 to -3 : 10 vertical (applies to all other lenses)1 : 1 horizontal (applies to LNS-W03/W07)5 : 3 to 3 : 5 horizontal (applies to all other lenses)

680 W (eco mode)/950 W (normal mode)/ 18 W (stand-by mode)/100–240 V  
3 years  
530 x 267.5 x 757 mm  
17.6 kg  
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro, 3 light-block sheets, 2 lens adapters

8 optional adapter boards: DVI-I Board (POA-MD18DVI), D-Sub15 Board (POA-MD04VGA), DVI/D-Sub15 Board (POA-MD23ADI), 5 BNC Board (POA-MD16VD1), 5 BNC Board (POA-MD25VD3), HD-SD-SDI Board (POA-MD17SDID), Network Board (POA-MD13NET2), HD DATA WIRELESS Receiver Board (POA-MD26HDWL)

12 interchangeable lenses

PLC-XP100L

Professional  
3 x 1.3" TFT p-Si (4 : 3), micro lens

330 W NSH (LMP-108)  
6,500  
3,000 h (eco mode)/2,000 h (normal mode)  
32 dB (eco mode)/40 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,000 : 1  
1,024 x 768 (XGA)  
31"–400"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-D (digital/HDCP)  
**Input 2:** D-Sub15 (RGB/SCART-RGB) or Monitor Out  
**Input 3:** 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
**Input 4:** 3 x RCA (Video/Y-Pb/Cb-Pr/Cr)  
**Input 5:** Mini DIN 4 (S-Video)  
**Monitor output:** D-Sub15  
**Control Input Jack 1:** D-Sub9 (RS232)  
**Control Input Jack 2:** USB type B (Mouse Control)  
**Control Input Jack 3:** 3.5 mm Stereo Jack (cable remote control)

vertical +/-40°, horizontal +/-30°  
10 : 0 to 1 : 1 vertical (applies to LNS-S31/W31A/T31A/T32)1 : 1 vertical (applies to LNS-W32)2 : 3 to 3 : 2 horizontal (applies to LNS-S31/W31A/T31A/T32)1 : 1 horizontal (applies to LNS-W32)

392 W (eco mode)/490 W (normal mode)/21 W (stand-by mode)/100–240 V  
3 years  
400 x 187 x 440 mm  
11.7 kg  
IR remote control with mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, PIN code label, light-block sheet, lens adapter

PJ Net Organizer Plus II with video camera (POA-PN03C)

6 interchangeable lenses

PDG-DHT100L

Professional  
1 x 0.95 DMD chip (16 : 9)

2 x 330 W UHP (LMP-130)  
6,500  
2,500 h (eco mode)/2,000 h (normal mode)  
36 dB (eco mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,200 : 1  
1,920 x 1,080 (HDTV 1,080p)  
50"–600"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB), HDMI (HDCP), DVI-D (digital/HDCP)  
**Input 2:** Mini DIN 4 (S-Video), 5 x BNC (RGBHV/Composite/Y-Pb/Cb-Pr/Cr)  
**Input 3:** freely configurable with optional interface boards  
**Input 4:** POA-MD13NET2 (RJ45/LAN)/D-Sub9  
**Monitor output:** D-Sub15  
**Control Input Jack 1:** Mini DIN 8 (RS232)  
**Control Input Jack 2:** 3.5 mm Stereo Jack (cable remote control)  
**Control Input Jack 3:** USB type B

vertical +/-30°, horizontal +/-30°  
1 : 1 vertical (applies to LNS-W52)6.65 : -1 to -1 : 6.65 vertical (applies to LNS-W51/W50/S50/T50/T51)1 : 1 horizontal (applies to LNS-W52)10.7 : 1 to 1 : 10.7 horizontal (applies to LNS-W51/W50/S50/T50/T51)

923 W (normal mode)/28 W (stand-by mode)/100–240 V  
3 years  
400 x 242.5 x 522.5 mm  
19 kg  
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro

HD wireless transmitter (POA-HDTM01), 7 optional adapter boards: DVI-I Board (POA-MD18DVI), 5 BNC Board (POA-MD16VD1), HD-SD-SDI Board (POA-MD17SDID), Network Board (POA-MD13NET2), DVI/D-Sub15 Board (POA-MD23ADI), 5 BNC Board (POA-MD25VD3), HD DATA WIRELESS Receiver Board (POA-MD26HDWL)

6 interchangeable lenses

PLC-XP200L

Professional  
3 x 1.3" TFT p-Si (4 : 3), micro lens, 1 x Color Control Device, QuaDrive®

330 W NSH (LMP-124)  
7,000  
3,000 h (eco mode)/2,000 h (normal mode)  
35 dB (eco mode)/39 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,200 : 1  
1,024 x 768 (XGA)  
31"–400"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** DVI-D (digital/HDCP)  
**Input 2:** D-Sub15 (RGB/SCART-RGB) or Monitor Out  
**Input 3:** 5 x BNC (RGBHV/Composite/Y-Pb/Cb-Pr/Cr)  
**Input 4:** 3 x RCA (Video/Y-Pb/Cb-Pr/Cr)  
**Input 5:** Mini DIN 4 (S-Video)  
**Audio:** 3.5 mm Stereo Jack  
**Control Input Jack 1:** Mini DIN 8 (RS232)  
**Control Input Jack 2:** 3.5 mm Stereo Jack (cable remote control)  
**Control Input Jack 3:** USB type B

vertical +/-40°, horizontal +/-20°  
10 : 0 to 1 : 1 vertical (applies to LNS-S31/W31A/T31A/T32)1 : 1 vertical (applies to LNS-W32)2 : 3 to 3 : 2 horizontal (applies to LNS-S31/W31A/T31A/T32)1 : 1 horizontal (applies to LNS-W32)

377 W (eco mode)/499 W (normal mode)/ 24.5 W (stand-by mode)/100–240 V  
3 years  
370 x 187 x 440 mm  
11.4 kg  
IR remote control with mouse function, batteries, user manual, power cable, USB cable, D-Sub15 cable, PIN code label, light-block sheet, lens adapter

PJ Net Organizer Plus II with video camera (POA-PN03C)

6 interchangeable lenses

PLV-HD2000E

Professional  
3 x 1.64" TFT p-Si (17: 9), micro lens

4 x 300 W UHP (LMP-100)  
7,000  
2,000 h (normal mode)  
51 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
1,000 : 1  
2,048 x 1,080 (2K)  
40"–600"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** Dual link SDI  
**Input 2:** 5 x BNC (R, G, B, H, V, Y, Pb, Cb, Pr, Cr)  
**Input 3:** DVI-I (digital/HDCP/analog)  
**Input 4:** freely configurable with optional interface boards  
**Audio:** 2 x RCA (R/L mono)  
**Control Input Jack 1:** D-Sub9 (RS232)  
**Control Input Jack 2:** USB type B (mouse control)  
**Control Input Jack 3:** 3.5 mm Stereo Jack (cable remote control)  
**Control Output:** D-Sub9 (RS232)

–  
–  
–  
8 : -1 to -1 : 8 vertical (applies to LNS-S022)8 : 1 to 1 : 8 vertical (applies to LNS-W06)1 : 1 vertical (applies to LNS-W03)10 : 0 to 0 : 10 vertical (applies to all other lenses)1 : 1 horizontal (applies to LNS-W03/W04/W06)2 : 3 to 3 : 2 horizontal (applies to all other lenses)

1,700 W (normal mode)/20 W (stand-by mode)/ 200–240 V  
3 years  
581 x 252 x 783 mm  
37.2 kg  
IR/cable remote control, batteries, user manual, power cable, software for Real Colour Manager Pro

4 optional adapter boards: DVI-I Board (POA-MD18DVI), 5 BNC Board (POA-MD16VD1), Y/C Board (POA-MD03VD2A), Network Board (POA-MD13NET2)

11 interchangeable lenses

PLC-XF71

Professional  
3 x 1.8" TFT p-Si (4 : 3)

2 x 330 W NSH (LMP-128)  
10,000  
3,000 h (eco mode)/2,000 h (normal mode)  
45 dB (eco mode)/46 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
3,000 : 1  
1,024 x 768 (XGA)  
40"–600"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB), DVI-D (digital/HDCP)  
**Input 2:** Mini DIN 4 (S-Video), 5 x BNC (RGBHV/Video/Y-Pb/Cb-Pr/Cr)  
**Input 3:** freely configurable with optional interface boards  
**Input 4:** freely configurable with optional interface boards  
**Control Input Jack 1:** Mini DIN 8 (RS232)  
**Control Input Jack 2:** 3.5 mm Stereo Jack (cable remote control)  
**Control Input Jack 3:** USB type B

vertical +/-40°, horizontal +/-20°  
10 : 0 to 0 : 10 vertical (applies to LNS-S022)1 : 1 vertical (applies to LNS-W03)1 : 8 to 8 : 1 vertical (applies to all other lenses)1 : 1 horizontal (applies to LNS-W03/W04/W06)2 : 3 to 3 : 2 horizontal (applies to all other lenses)

780 W (eco mode)/950 W (normal mode)/17 W (stand-by mode)/100–240 V  
3 years  
530 x 267.5 x 757 mm  
17.6 kg  
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro, 2 light-block sheet, 2 lens adapters

8 optional adapter boards: DVI-I Board (POA-MD18DVI), 5 BNC Board (POA-MD16VD1), HD-SD-SDI Board (POA-MD17SDID), Network Board (POA-MD13NET2), Warp- & Blending Board (POA-MD21WARP), DVI/D-Sub15 Board (POA-MD23ADI), 5 BNC Board (POA-MD25VD3), HD DATA WIRELESS Receiver Board (POA-MD26HDWL)

10 interchangeable lenses

PLC-XF47

Professional  
3 x 1.8" TFT p-Si (4 : 3)

4 x 330 W NSH (LMP-109)  
15,000  
3,000 h (eco mode)/2,000 h (normal mode)  
51 dB (normal mode)  
Delivery without lens  
Depending on lens  
Depending on lens  
2,000 : 1  
1,024 x 768 (XGA)  
40"–600"  
90 %  
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N  
**Input 1:** D-Sub15 (RGB), DVI-D (digital/HDCP)  
**Input 2:** Mini DIN 4 (S-Video), 5 x BNC (RGBHV/Composite/Y-Pb/Cb-Pr/Cr)  
**Input 3:** freely configurable with optional interface boards  
**Input 4:** freely configurable with optional interface boards  
**Control Input Jack 1:** D-Sub9 (RS232)  
**Control Input Jack 2:** USB type B (Mouse Control)  
**Control Input Jack 3:** 3.5 mm Stereo Jack (cable remote control)  
**Control output:** D-Sub9 (RS232)

vertical +/-40°, horizontal +/-20°  
10 : 0 to 0 : 10 vertical (applies to LNS-S022)1 : 1 vertical (applies to LNS-W03)1 : 8 to 8 : 1 vertical (applies to all other lenses)1 : 1 horizontal (applies to LNS-W03/W04/W06)2 : 3 to 3 : 2 horizontal (applies to all other lenses)

1,550 W (eco mode)/1,700 W (normal mode)/20 W (stand-by mode)/200–240 V  
3 years  
581 x 252 x 816 mm  
36.5 kg  
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro, 3 light-block sheet, 2 lens adapter

8 optional adapter boards: DVI-I Board (POA-MD18DVI), D-Sub15 Board (POA-MD04VGA), DVI/D-Sub15 Board (POA-MD23ADI), 5 BNC Board (POA-MD25VD3), HD-SD-SDI Board (POA-MD17SDID), Network Board (POA-MD13NET2), Warp & Blending Board (POA-MD21WARP), HD DATA WIRELESS Receiver Board (POA-MD26HDWL)

11 interchangeable lenses

## SANYO Warranty and Service

At SANYO, we aim to ensure that all customers are happy with their presentation systems. We therefore maintain particularly high quality standards for component selection and for ISO-certified production. SANYO provides an after-sales warranty and support for projectors, giving you added security when installing and running your device.

### 3-year warranty

SANYO warrants the projector to be free from manufacturing and material defects for a period of 36 months from the date of purchase. Should a defect occur within the warranty period under normal and proper use, we will arrange for the device to be repaired.

### Lamp warranty

SANYO offers customers the following lamp warranties:

### Extended lamp warranty

SANYO offers a lamp warranty for certain projectors. This warranty is valid from the date of purchase and is bound by restrictions based on the purchase date and service life of the lamp, whichever comes first.

SANYO's lamp warranty applies exclusively for the complete failure of the lamp and is not valid for regular wear and tear.



## A wide range of accessories makes SANYO projectors even more flexible

### OPTIONAL LENSES ... for all fixed installation models (1.2", 1.4", 1.64", 1.8")

						
Type	Wide-angle	Wide-angle zoom	Extreme wide-angle	Wide-angle zoom	Wide-angle zoom	Wide-angle zoom
Focal Length	45 mm	52 – 68 mm	30 mm	58 – 76 mm	36 – 50 mm	45 – 57 mm
Aperture	2.5	2.5 – 2.9	2.6	1.7 – 2.3	2.3 – 2.6	2.3 – 2.8
Diameter	175 mm	114 mm	175 mm	122 mm	130 mm	140 mm
Zoom	Fixed	Motorized (1.3 x)	Fixed	Motorized (1.3 x)	Motorized (1.4 x)	Motorized (1.3 x)
Focus	Manual	Motorized	Manual	Motorized	Motorized	Motorized
Weight	5.8 kg	2.2 kg	3.1 kg	2.8 kg	3.0 kg	3.0 kg

### PLC-EF60A (1.4)

Throw Distance Ratio	1.54 : 1	1.80 – 2.36 : 1	1.03 : 1	1.99 – 2.62 : 1	1.21 – 1.70 : 1	1.50 – 2.00 : 1
Distance	0.94 – 15.65 m	1.10 – 23.98 m	0.63 – 10.46 m	1.21 – 26.62 m	0.74 – 17.27 m	0.92 – 20.32 m
Image Size min. in cm	61 x 46	61 x 46	61 x 46	61 x 46	61 x 46	61 x 46
Image Size max. in cm	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762
Lens Shift Vertical	10 : 0 to 0 : 10	10 : 0 to 0 : 10	1 : 1	10 : 0 to 0 : 10	2.5 : 1 to 1 : 2.5	10 : 0 to 0 : 10
Lens Shift Horizontal	2 : 3 to 3 : 2	2 : 3 to 3 : 2	1 : 1	2 : 3 to 3 : 2	1 : 1	2 : 3 to 3 : 2

### PLC-XF47/XF71 (1.8")

Throw Distance Ratio	1.19 : 1	1.40 – 1.83 : 1	0.80 : 1	1.54 – 2.03 : 1	–	1.20 – 1.50 : 1
Distance	0.97 – 14.51 m	1.14 – 22.31 m	0.65 – 9.75 m	1.25 – 24.75	–	0.98 – 18.29
Image Size min. in cm	81 x 61	81 x 61	81 x 61	81 x 61	–	81 x 61
Image Size max. in cm	1,219 x 914	1,219 x 914	1,219 x 914	1,219 x 914	–	1,219 x 914
Lens Shift Vertical	1 : 8 to 8 : 1	1 : 8 to 8 : 1	1 : 1	1 : 8 to 8 : 1	–	1 : 8 to 8 : 1
Lens Shift Horizontal	2 : 3 to 3 : 2	2 : 3 to 3 : 2	1 : 1	1 : 1	–	1 : 1

### PLV-HD2000E (1.64")

Throw Distance Ratio	1.2 : 1	1.40 – 1.83 : 1	0.80 : 1	1.56 – 2.05 : 1	–	1.20 – 1.50 : 1
Distance	1.07 – 14.61 m	1.15 – 22.28 m	0.66 – 9.74 m	1.28 – 24.96 m	–	0.90 – 18.26 m
Image Size min. in cm	85 x 48	85 x 48	85 x 48	85 x 48	–	85 x 48
Image Size max. in cm	1,268 x 713	1,268 x 713	1,268 x 713	1,268 x 713	–	1,268 x 713
Lens Shift Vertical	10 : 0 to 0 : 10	10 : 0 to 0 : 10	1 : 1	10 : 0 to 0 : 10	–	1 : 8 to 8 : 1
Lens Shift Horizontal	2 : 3 to 3 : 2	2 : 3 to 3 : 2	1 : 1	2 : 3 to 3 : 2	–	1 : 1

### PLV-WF20 (1.2")

Throw Distance Ratio	1.65 : 1	1.9 – 2.5 : 1	1.1 : 1	2.1 – 2.8 : 1	1.3 – 1.8 : 1	1.6 – 2.1 : 1
Distance	1.1 – 14.7 m	1.29 – 22.4 m	0.74 – 9.83 m	1.43 – 24.97 m	0.87 – 16.29 m	1.06 – 18.59 m
Image Size min. in cm	66 x 39	66 x 39	66 x 39	66 x 39	66 x 39	66 x 39
Image Size max. in cm	877 x 513	877 x 513	877 x 513	877 x 513	877 x 513	877 x 513
Lens Shift Vertical	10 : -3 to -3 : 10	10 : -3 to -3 : 10	1 : 1	10 : -3 to -3 : 10	10 : -3 to -3 : 10	10 : -3 to -3 : 10
Lens Shift Horizontal	5 : 3 to 3 : 5	5 : 3 to 3 : 5	1 : 1	5 : 3 to 3 : 5	5 : 3 to 3 : 5	5 : 3 to 3 : 5



# A wide range of accessories makes SANYO projectors even more flexible

## OPTIONAL LENSES ... for all fixed installation models (1.2", 1.4", 1.64", 1.8")



	LNS-W07	LNS-S02Z	LNS-S03	LNS-M01Z	LNS-T01Z*	LNS-T02	LNS-T03
Type	Extreme wide-angle	Standard zoom 1	Standard zoom 2	Short tele zoom	Extreme-Tele	Tele zoom	Extreme tele zoom
Focal Length	21 mm	76 - 98 mm	97 - 131 mm	125 - 162 mm	253 mm	158 - 221 mm	224 - 325 mm
Aperture	2.5	2.0 - 2.3	1.7 - 2.6	2.0 - 2.6	2.0	2.0 - 2.8	2.2 - 2.5
Diameter	145 mm	116 mm	137 mm	95 mm	158 mm	130 mm	169 mm
Zoom	fixed	motorized (1.3 x)	motorized (1.3 x)	motorized (1.3 x)	fixed	motorized (1.4 x)	manual (1.4 x)
Focus	manual	motorized	motorized	motorized	manual	motorized	manual
Weight	3.1 kg	1.9 kg	3.7 kg	1.9 kg	3.8 kg	3.1 kg	7.3 kg

## ... for 1.2"- and 1.3"-models



	LNS-W32	LNS-W31A	LNS-T31A	LNS-T32	LNS-S30*	LNS-S31*
Type	Extreme wide-angle	Wide-angle zoom	Tele zoom	Extreme tele zoom	Standard zoom	Standard zoom
Focal Length	22.3 mm	34 - 48 mm	64 - 112 mm	112 - 155 mm	48.4 - 62.8 mm	48.2 - 62.6 mm
Aperture	2.5	2.5 - 3.1	2.0 - 2.9	2.1 - 2.7	1.8 - 2.1	1.7 - 2.0
Diameter	129 mm	99 mm	95.2 mm	99 mm	71.4 mm	98.4 mm
Zoom	fixed	motorized (1.4 x)	motorized (1.8 x)	motorized (1.4 x)	motorized (1.3 x)	motorized (1.3 x)
Focus	manual	motorized	motorized	motorized	motorized	motorized
Weight	1.6 kg	1.7 kg	1.9 kg	1.7 kg	0.84 kg * for PLV-80L	1.3 kg **for PLC-XP100L/XP200L

## PLC-EF60A (1.4)

	0.7 : 1	2.60 - 3.40 : 1	3.35 - 4.54 : 1	4.42 - 5.71 : 1	8.88 : 1	5.64 - 7.86 : 1	7.90 - 11.56 : 1
Throw Distance Ratio	0.43 - 7.11 m	1.59 - 34.54 m	5.43 - 46.13 m	2.70 - 58.01 m	5.42 - 90.22 m	3.44 - 79.86 m	4.82 - 117.45 m
Distance	61 x 46	61 x 46	163 x 122	61 x 46	61 x 46	61 x 46	61 x 46
Image Size min. in cm	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762
Image Size max. in cm	1 : 1	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 bis 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10
Lens Shift Vertical	1 : 1	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 bis 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2
Lens Shift Horizontal							

## PLC-XP100L/XP200L (1.3")

	0.81 : 1	1.26 - 1.81 : 1	2.31 - 4.19 : 1	4.2 - 6.0 : 1	1.8 - 2.4 : 1	1.8 - 2.3 : 1
Throw Distance Ratio	1.15 - 1.97 m	1.02 - 14.71 m	1.88 - 34.06 m	3.35 - 45.19 m	1.46 - 19.51 m	1.46 - 18.7 m
Distance (min./max.)	142 x 107	57 x 43	57 x 43	57 x 43	57 x 43	57 x 43
Image Size min. in cm	244 x 183	813 x 610	813 x 610	813 x 610	813 x 610	813 x 610
Image Size max. in cm	1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1
Lens Shift vertical	1 : 1	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2
Lens Shift horizontal						

## PLC-XF47/XF71 (1.8")

	-	2.00 - 2.62 : 1	2.60 - 3.52 : 1	3.45 - 4.45 : 1	6.90 : 1	4.40 - 6.13 : 1	6.17 - 9.00 : 1
Throw Distance Ratio	-	1.63 - 31.94 m	5.28 - 42.92 m	2.8 - 54.25 m	5.61 - 84.12 m	3.58 - 74.74 m	5.02 - 109.73 m
Distance	81 x 61	203 x 152	203 x 152	81 x 61	81 x 61	81 x 61	81 x 61
Image Size min. in cm	-	1,219 x 914	1,219 x 914	1,219 x 914	1,219 x 914	1,219 x 914	1,219 x 914
Image Size max. in cm	-	10 : 0 to 0 : 10	1 : 8 to 8 : 1	1 : 8 to 8 : 1	1 : 8 to 8 : 1	1 : 8 to 8 : 1	1 : 8 to 8 : 1
Lens Shift Vertical	-	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2
Lens Shift Horizontal	-						

\* not for PLC-XF71

## PLV-80L (1.2")

	0.8 : 1	1.23 - 1.78 : 1	2.29 - 4.13 : 1	4.46 - 6.23 : 1	1.8 - 2.3 : 1	1.8 - 2.3 : 1
Throw Distance Ratio	1.24 - 2.12 m	1.09 - 15.76 m	2.04 - 36.57 m	3.97 - 55.16 m	1.60 - 20.35 m	1.6 - 20.36 m
Distance (min./max.)	155 x 87	62 x 35	62 x 35	62 x 35	62 x 35	62 x 35
Image Size min. in cm	244 x 137	885 x 498	885 x 498	885 x 498	885 x 498	885 x 498
Image Size max. in cm	1 : 1	7 : -1 to 1 : 1	7 : -1 to 1 : 1	7 : -1 to 1 : 1	7 : -1 to 1 : 1	7 : -1 to 1 : 1
Lens Shift vertical						

## PLV-HD2000E (1.64")

	-	2.01 - 2.63 : 1	2.60 - 3.52 : 1	3.44 - 4.45 : 1	6.90 : 1	4.40 - 6.13 : 1	6.3 - 9.1 : 1
Throw Distance Ratio	-	1.65 - 32.02 m	5.75 - 42.85 m	3.14 - 54.17 m	6.20 - 84.00 m	4.10 - 74.63 m	5.66 - 110.78 m
Distance	-	85 x 48	211 x 119	85 x 48	85 x 48	85 x 48	85 x 48
Image Size min. in cm	-	1,268 x 713	1,268 x 713	1,268 x 713	1,268 x 713	1,268 x 713	1,268 x 713
Image Size max. in cm	-	8 : -1 to -1 : 8	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10
Lens Shift Vertical	-	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2
Lens Shift Horizontal	-						

## PLC-XT21/XT35L/ET30L/XTC50L (1.0")



	LNS-S10*	LNS-S11*	LNS-T10	LNS-T11	LNS-W10	LNS-W11
Type	Standard zoom	Standard zoom	Tele zoom	Extreme tele zoom	Wide-angle zoom	Extreme wide-angle
Focal Length	33 - 43 mm	33 - 43 mm	44 - 70 mm	69 - 109 mm	25 - 33 mm	16.51 mm
Aperture	1.7 - 2.1	1.7 - 2.1	2.0 - 2.6	2.1 - 2.52	2.3 - 2.6	2.3
Diameter	89 mm	90 mm	89 mm	89 mm	95 mm	97 mm
Zoom	motorized (1.3 x)	motorized (1.3 x)	motorized (1.6 x)	motorized (1.6 x)	motorized (1.3 x)	fixed
Focus	motorized	motorized	motorized	motorized	motorized	manual
Weight	0.65 kg	0.8 kg	1.1 kg	1.1 kg	0.95 kg	1.0 kg
Throw Distance Ratio	1.62 - 2.11 : 1	1.62 - 2.11 : 1	2.12 - 3.46 : 1	3.4 - 5.4 : 1	1.24 - 1.61 : 1	0.8 : 1
Distance (min./max.)	1.2 - 10.0 m	1.2 - 10.0 m	1.29 - 21.09 m	2.75 - 43.9 m	0.76 - 9.81m	0.82 - 3.05 m
Image Size min. in cm	61 x 46	61 x 46	61 x 46	81 x 61	61 x 46	102 x 76
Image Size max. in cm	610 x 457	610 x 457	610 x 457	813 x 610	610 x 457	305 x 229
Lens Shift vertical	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	1 : 1
Lens Shift horizontal	1.857 : 1 to 1 : 1.857	1.857 : 1 to 1 : 1.857	1.857 : 1 to 1 : 1.857	1.857 : 1 to 1 : 1.857	1.857 : 1 to 1 : 1.857	1 : 1

\* for PLC-XT21L

\* for PLC-XT35L / ET30L / XTC50L

## PLV-WF20 (1.2")

	0.8 : 1	2.8 - 3.6 : 1	3.6 - 4.8 : 1	4.8 - 6.2 : 1	-	6.1 - 8.5 : 1	8.7 - 12.4 : 1
Throw Distance Ratio	0.53 - 7.08 m	1.85 - 32.23 m	5.58 - 43.12 m	3.14 - 53.74 m	-	4.0 - 74.46 m	5.62 - 109.26 m
Distance	66 x 39	66 x 39	153 x 90	66 x 39	-	66 x 39	66 x 39
Image Size min. in cm	877 x 513	877 x 513	877 x 513	877 x 513	-	877 x 513	877 x 513
Image Size max. in cm	1 : 1	10 : -3 to -3 : 10	10 : -3 to -3 : 10	10 : -3 to -3 : 10	-	10 : -3 to -3 : 10	10 : -3 to -3 : 10
Lens Shift Vertical	1 : 1	5 : 3 to 3 : 5	5 : 3 to 3 : 5	5 : 3 to 3 : 5	-	5 : 3 to 3 : 5	5 : 3 to 3 : 5
Lens Shift Horizontal							

## PDG-DHT100L (0.95")



Type	LNS-S50	LNS-W50	LNS-W51	LNS-W52	LNS-T50	LNS-T51
Focal Length	Standard zoom 38.5 – 60.0	Wide-angle zoom 31.9 – 38.3 mm	Wide-angle zoom 25.8 – 32.2 mm	Extreme wide-angle 17.1 mm	Tele zoom 59.3 – 106.7 mm	Extreme tele 101.3 – 168.8 mm
Aperture	2.0 – 2.6	2.0 – 2.1	2.3 – 2.7	2.0	2.0 – 2.9	2.3 – 3.2
Diameter	140 mm	140 mm	164.5 mm	140 mm	140 mm	140 mm
Zoom	motorized (1.56 x)	motorized (1.2 x)	motorized (1.25 x)	fixed	motorized (1.8 x)	motorized (1.67 x)
Focus	motorized	motorized	motorized	motorized	motorized	motorized
Weight	3.4 kg	3.3 kg	4.1 kg	3.1 kg	3.7 kg	3.8 kg
Throw Distance Ratio	1.8 – 2.8 : 1	1.5 – 1.8 : 1	1.2 – 1.5 : 1	0.8 : 1	2.8 – 5.0 : 1	4.8 – 8.0 : 1
Distance (min./max.)	1.95 – 24.50 m	1.6 – 20.4 m	1.27 – 16.46 m	0.86 – 3.60 m	3.03 – 37.90 m	5.40 – 63.10 m
Image Size min. in cm	110 x 62	110 x 62	110 x 62	110 x 62	110 x 62	110 x 62
Image Size max. in cm	1,328 x 713	1,328 x 713	1,328 x 713	443 x 249	1,328 x 713	1,328 x 713
Lens Shift vertical	6.65 : -1 to -1 : 6.65	6.65 : -1 to -1 : 6.65	6.65 : -1 to -1 : 6.65	1 : 1	6.65 : -1 to -1 : 6.65	6.65 : -1 to -1 : 6.65
Lens Shift horizontal	10.7 : 1 to 1 : 10.7	10.7 : 1 to 1 : 10.7	10.7 : 1 to 1 : 10.7	1 : 1	10.7 : 1 to 1 : 10.7	10.7 : 1 to 1 : 10.7

## ... for 0.65"- and 0.7"-models



Type	LNS-S40	LNS-T40	LNS-T41	LNS-W40	LNS-W41
Focal Length	Standard-Zoom 26 – 34 mm	Tele zoom 32 – 63 mm	Extreme tele zoom 63.5 – 117.4 mm	Wide-angle zoom 19.3 – 25.8 mm	Extreme wide-angle 11.4 mm
Aperture	1.7 – 1.9	2.1 – 2.9	2.2 – 3.1	1.8 – 2.3	2.0
Diameter	100 mm	100 mm	100 mm	100 mm	104 mm
Zoom	motorized (1.32 x)	motorized (2.0 x)	motorized (1.87 x)	motorized (1.34 x)	fixed
Focus	motorized	motorized	motorized	motorized	manual
Weight	0.8 kg	1.2 kg	0.9 kg	1.1 kg	1.0 kg

## PDG-DXT10L (0.7")

Throw Distance Ratio	1.78 – 2.35 : 1	2.22 – 4.43 : 1	4.43 – 8.3 : 1	1.33 – 1.79 : 1	0.77 : 1
Distance (min./max.)	1.44 – 23.88 m	1.80 – 45.01 m	3.59 – 84.33 m	1.08 – 18.19 m	0.71 – 2.84 m
Image Size min. in cm	81 x 61	81 x 61	81 x 61	81 x 61	102 x 76
Image Size max. in cm	1,016 x 762	1,016 x 762	1,016 x 762	1,016 x 762	406 x 305
Lens Shift vertical	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	1 : 1
Lens Shift horizontal	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	1 : 1

## PDG-DWT50L (0.65")

Throw Distance Ratio	1.78 – 2.35 : 1	2.22 – 4.43 : 1	4.43 – 8.3 : 1	1.33 – 1.79 : 1	0.77 : 1
Distance (min./max.)	1.44 – 23.88 m	1.80 – 45.01 m	3.59 – 84.33 m	1.08 – 18.19 m	0.71 – 2.84 m
Image Size min. in cm	87 x 52	87 x 52	87 x 52	87 x 52	109 x 65
Image Size max. in cm	1,089 x 653	1,089 x 653	1,089 x 653	1,089 x 653	435 x 261
Lens Shift vertical	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	1 : 1
Lens Shift horizontal	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	2 : 3 to 3 : 2	1 : 1

## OPTIONAL ADAPTER BOARDS ... for all fixed installation models



Product Number	DVI-I Board POA-MD18DVI	D-Sub15 Board POA-MD04VGA*	DVI/D-Sub15 Board POA-MD23ADI*	5-BNC Board POA-MD25VD3* POA-MD16VD1**
Image Signal	T.M.D.S. (HDCP)	RGBHV: Sync on G	T.M.D.S. (HDCP), RGBHV: Sync on G	RGBHV: Sync on G Component: Sync on Y S-Video, Video*
Input	DVI	D-Sub15	DVI-D, D-Sub15	5 BNC, S-Video*
Sound Signal	500 mVrms (47 KΩ)	500 mVrms (47 KΩ)	-	500 mVrms (47 KΩ)**
Jacks	2 x RCA	2 x RCA	-	2 x RCA**
Control Input	Mini DIN 8	Mini DIN 8	-	Mini DIN 8**
LAN Input	-	-	-	-
		* for PLC-EF60A/XF47/XF71, PLV-WF20, PDG-DHT100L		* for PLC-XF47/XF71, PLV-WF20, PDG-DHT100L ** for PLC-EF60A/XF71, PLV-WF20/HD2000E

## OPTIONAL ADAPTER BOARDS ... for all fixed installation models



Product Number	HD-SD-SDI Board POA-MD17SDID*	Network Board POA-MD19NET* POA-MD13NET2**	Warp & Blending Board POA-MD21WARP*	HD Data Wireless Receiver Board POA-MD26HDWL*
Image Signal	SMPTE 259M-C, SMPTE 260M/274M/296M	-	T.M.D.S. (HDCP)	T.M.D.S. (HDCP) Component: via POA-HDTM01
Input	3 BNC (2 x SDI in; 1 x SDI out)	-	DVI-D	Transmitted digital image data via POA-HDTM01
Sound Signal	-	-	-	-
Jacks	-	-	-	-
Control Input	-	D-Sub9	D-Sub9	-
LAN Input	-	RJ45	-	-
	* for PLC-EF60A/XF47/XF71, PLV-WF20, PDG-DHT100L	* for PLC-EF60A **for PLC-XF47/XF71, PLV-WF20, PDG-DHT100L	* for PLC-EF60A/XF47/XF71, PDG-DHT100L	* for PLC-XF47/XF71, PLV-WF20, PDG-DHT100L

## Optional Accessories



### SST-Bracket-WH

- Wall bracket for projectors PLC-XL50 and PLC-XL51
- Mount system with a flexible fastening rail for 60–80 inch image sizes
- Horizontal position can easily be changed by up to 25 cm
- 3 regulating screws for easy adjustment of the vertical position
- Colour: white
- Dimensions (W x H x D): 250 x 680 x 320 mm
- Weight: 9 kg



### ST-Boom-WH

- Weight: 10kg
- Colour: White
- Optional Active Speakers (Active Speakers-WH)
- Zoom: 1000mm



### SANYOBOSS1

- Universal Ball joint for 360 degree swivel
- 30 degree tilt
- Fits 50mm ceiling poles
- 11mm wide security cable
- Dimensions: 410 x 270 x 3mm
- Weight 2.5kg



### POA-PN03C

- PJ Net Organiser Plus
- Network manager
- Real-time data transfer
- Mobile camera as a control function
- Projector status control and function control
- Network standard (LAN): IEEE802.3 (10BASE-T) / IEEE802.3u (100BASE-TX)
- Suitable for: PLC-XT21, PLC-XT35L, PLC-ET30L, PLC-XP100L, PLC-XP200L, PLC-XTC50L



### POA-PN40

- PJ Net Organiser
- Network manager
- Projector status control and function control
- Network standard (LAN): IEEE802.3 (10BASE-T) / IEEE802.3u (100BASE-TX)
- Data transfer speed (LAN): 10 Mbps/100 Mbps (half duplex/full duplex)
- LAN interface: 8 modular (RJ45)
- Suitable for: PLV-80L



### POA-CW01

- 6-segment colour wheel
- Large colour space for higher colour and image quality
- Includes cyan, yellow and magenta in addition to the primary colours red, green and blue
- Suitable for: PDG-DXT10L, PDG-DWT50L



### POA-RCKIT04

- Remote control presentation
- Mouse function
- Power supply: 2 batteries, type AAA or LR03 (supplied)
- Operating range: 5 m or +/-30°
- Dimensions (W x H x D): 51.5 x 23.2 x 123.0 mm
- Suitable for: PLC-XL50, PLC-XW57, PLC-XW60, PLC-XW65, PLC-XU75A, PLC-XU78, PLC-XU105



### POA-HDTM01

- HD wireless transmitter for wireless data transfer
- Only compatible in combination with the optional interface board POA-MD26HDWL
- Maximum range: 30 meter
- Data transfer rate: max. 1.5 GB/s
- Dimensions (W x H x D): 270 x 50 x 220 mm
- Weight: 1.3 kg
- Suitable for PLC-XF47, PLC-XF71, PLV-WF20, PDG-DHT100L

## Glossary

**360° installation** | The projector can be installed with its own axis, allowing distortion-free projections at all levels. This is particularly suitable for situations where flexibility is required, for example in the case of digital signage and events.

**3LCD** | The light emitted from the lamp is separated into the three basic colours of red, green and blue. Each of these colours is passed through its own LCD panel. The light and image information is then recombined using a dichroic prism to give realistic colour and shape to the projected image. The light yield from 3LCD is always optimal, because the projector is constantly projecting all three primary colours onto the screen.

**ANSI lumens** | Image brightness from a projector is measured in ANSI lumens. The brighter a projector, the wider its range of possible uses in terms of ambient light and screen size. In accordance with specific regulations, 9 areas on screen are measured in the image projected on-screen. The average of the focus points multiplied by the image surface gives the lumen reading (Lumen = Lux x m<sup>2</sup>).

**Audio function** | Many SANYO projectors have integrated speakers that can reproduce audio signals, i.e. sound. The powerful 7 watt speakers are an innovation in this area. These are integrated into the multimedia projectors belonging to the XC series. They are particularly suitable for use in training and conference rooms.

**Auto Lamp Selection System (ALSS)** | Projectors with an integrated lamp change function guarantee a high level of operating safety, because a replacement lamp is integrated in the unit. The replacement is used automatically if necessary, so that a presentation can be continued. This greatly reduces the maintenance frequency for a projector.

**Automatic air filter replacement** | To ensure optimal cooling inside the projector, the air filter must be cleaned or replaced regularly. The integrated filter cartridge automatically changes the filter once the built in sensor signals that a replacement is necessary. A cartridge containing 10 filters allows maintenance-free continuous operation up to 30,000 hours depending on the device.

**Automatic lens cover** | Most home cinema projectors have an integrated lens cover to protect the lens from dust. When the projector shuts down or enters standby mode, the lens cover closes automatically.

**Automatic setup** | The automatic setup allows the projector to promptly register the connected device. Using the signal detection, keystone correction and auto PC adjustment, the projector adapts to the properties of the connected device and ensures that the presentation is ready to start in a matter of seconds.

**Connector socket** | Different connector sockets are available for the different signal types:

Signal type	Connector socket
D-Sub15	VGA
RCA	Composite, Component
DVI/HDMI	Digital signals
BNC	RGB, Video, S-Video
Mini Din 4	S-Video
Mini Din 8	Service input (RS232 control)

**Contrast ratio** | This is the ratio between the maximum (white) and minimum (black) luminance that can be displayed by a projector. The higher the ratio, the better, i.e. the image displays black more effectively.

**Digital zoom** | The digital zoom function allows the user to select and enlarge a section of the presentation.

**Direct Power On/Off** | These functions let you switch the projector on and off without delay. Direct Power On: The projector powers up the moment it is plugged in. This is very convenient and it provides the user with great flexibility. Direct Power Off: With this function, the projector can be unplugged while it is in operation. This lets you transport it quickly without having to wait for it to cool down and without damaging the lamp.

## Glossary

**DLP® technology** | For each individual pixel, DLP® (Digital Light Processing) projectors use tiny mirrors that are mounted on the Digital micro mirror Device (DLP® chip) and tilt in response to an electric signal. A DLP® chip's micro mirrors are mounted on tiny hinges that enable them to tilt either towards the light source in a DLP® projection system (ON) or away from it (OFF). This creates a light or dark pixel on the projection surface. To generate a colour picture, 1-chip DLP® projectors use a quickly rotating colour wheel that projects the primary colours one after the other.

**Eco mode** | Eco mode is an environmentally friendly function designed to save energy. This function is useful in situations where the full amount of brightness offered by the projector is not needed. Reducing brightness by around 20% decreases power consumption, minimises fan noise and significantly prolongs lamp life.

**Freeze** | This function allows the user to freeze the projected image at any time, for example to modify the contents of a presentation without the audience noticing and then show it at a later stage.

**Image resolution** | The number of pixels, horizontally and vertically, defines the resolution. It is expressed as width x height. The principal image resolution formats are S-VGA: 800 x 600 pixels, XGA: 1,024 x 768 pixels, S-XGA+: 1,400 x 1,050 pixels, Full HD: 1,920 x 1,080 pixels and W-XGA. The more pixels an image contains, the richer its detail. The ratio between the horizontal

and vertical number of pixels also indicates the resolution's aspect ratio.

**Inorganic panel** | Inorganic LCD panels ensure striking picture quality, because they allow an even more natural colour reproduction. The particularly deep black value and the related contrast ratio guarantee impressive images. The reduced border thickness of the individual pixels increases the light output, which boosts image brightness. Inorganic LCD panels absorb fewer UV rays, thereby significantly increasing their service life.

**Interchangeable lenses** | Interchangeable lenses are available as an option for many projectors. They provide a particularly flexible response to the presentation environment and requirements. Wide-angle, standard and telephoto lenses are available for a broad range of throw ratios.

**Keystone correction** | Keystone is a trapezoidal distortion of an image caused by projecting at a steep vertical or horizontal angle. The electronics behind modern data and video projectors can correct this distortion to produce a rectangular image display. The Keystone correction function can be set automatically or manually, or it can be disabled.

**Lens shift** | Projecting an image vertically and horizontally causes trapezoidal distortion of the image. The Lens shift function allows the position of the lens to be varied both vertically and horizontally to correct the distortion. The resolution and image geometry are fully retained.

The projector can thus be positioned flexibly without sacrificing quality.

**Mechanical shutter** | The mechanical shutter moves between the prism block and lens for a specific amount of time. This is very effective at preventing residual light from being projected on-screen during presentations and events.

**Multi-lamp system** | Multi-lamp systems are particularly useful where bright projections are needed. They also ensure trouble-free operation: If one of the lamps fail, the system automatically switches over to the functional lamps, allowing the presentation to continue.

**MyLogo function** | Give your presentations an unique and professional appearance from the very beginning. Instead of a blue background screen appearing between presentations or when the projector is turned on, you can set individual logos or images to display, and secure this setting using a PIN code.

**Network capability/W-LAN** | Including projectors in a network offers numerous advantages – for example, it allows projectors to be maintained and configured over a company network or the Internet. Problems are displayed automatically and resolved faster. Because of the integrated W-LAN connection between computer and projector, there's no need to hook the projector up using cables before a presentation can start. Screen contents is sent quickly and directly from the network to one or more projectors. In addition, participants in training courses or

meetings can use the moderator function to take turns giving their presentations on the same projector using their own notebooks and the W-LAN. In addition, several projectors at a trade fair stand can be administered remotely over the network and supplied with images from external sources.

**Optical zoom** | Lens function that allows the imagesize to be continuously adjusted at a given distance. The zoom function enables a highly flexible adjustment of the projector to existing room conditions. Many projectors can be equipped with motorised zoom lenses.

**QuaDrive®** | An additional fourth LCD panel called the Color Control Device (CCD) separately controls the amount of yellow light in the projected image and increases the displayed colour space by up to 20%. This allows for even more realistic and vivid colour tones, especially in the red and green ranges. The result is more vibrant colours and higher image brightness.

**Rear projection** | The projector is installed behind the screen. It projects the image to a special rear projection surface. A setting in the projector's on-screen menu allows you to choose reversed image display. Light beams are prevented from being broken up in the presentation room, thereby eliminating potential problems. Remote Control Code | With this code, remote controls can be uniquely assigned to a specific projector. Even projectors that are right next to each other can be controlled easily and directly

with this function. This eliminates interference from the simultaneous operation of multiple projectors or other technical devices.

**Security features** | Security features ensure that the projector cannot be used or removed without authorisation. They provide valuable protection wherever numerous individuals have access to the device – in the public sector, universities, schools or the business world. SANYO projectors offer the following security features:

- When the Audio Alarm function is active, a loud alarm is emitted immediately if the projector is moved without authorisation.
- The Key Lock function disables the keys on the remote control or the buttons on the projector housing.
- The PIN Code Lock secures the projector with a PIN so that it cannot be used without authorisation.
- Security chains of up to 11 mm in diameter can be attached to the security bar.
- The Kensington lock mechanism permits the simple use of Kensington locks.
- The conspicuous orange housing makes the projectors easily identifiable.

**Signal types** | Depending on the user's needs, a projector can be connected to various image sources, for example DVD player, AV/TV receiver or PC. The following signals can be connected: Composite (FBAS), S-Video, RGB, Component (YUV) and digital signals.

**Throw ratio** | The throw ratio specifies the ratio between the projection distance and image width; this depends on the lens being used. Example: With a throw ratio of 2 : 1, for a projection distance of 4 m the image width is 2 m. Since most lenses are equipped with an optical zoom function, the throw ratio is given in a range such as 1.5–2 : 1. This means that an image width of 2 m can be displayed from a distance of 3–4 m.

**Warp & Blending** | The Warp & Blending Board allows presentations on curved projection surfaces, as well as seamless large-scale image projection using multiple side-by-side projectors.