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Projectors 2011
Brilliant Ideas.

05

Home Cinema



05

Business & Education



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Professional



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Lenses



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



Whether it is professional cinema, events, business and education or home cinema – 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 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 adaptor 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.

SANYO has the right presentation technology to meet every requirement.

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.

Conference room

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

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.

Gaming

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

Home cinema

Several projectors are ideally suitable for enjoying films at home due to their widescreen resolution and high level of brightness.

Major events

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

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.

Home Cinema



Model

Application
Panel

Lamp
Brightness in 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
Color 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-Z800

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

165 W UHP (LMP-135)
1,200 / 840 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
21 dB (eco 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

182 W (eco mode)/236 W (normal mode)/
0.6 W (stand-by mode)/100-240 V
3 years, 90 days lamp warranty (max. 300 hours)

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),
ceiling mounts: 15 cm (POA-CM01), 40-70 cm
(POA-CM02), 70-110 cm (POA-CM03)

2 x wide-angle zoom lens

PLV-Z4000

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

165 W UHP (LMP-135)
1,200 / 840 (eco mode)
3,000 h (eco mode)/2,000 h (eco 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

193 W (eco mode)/250 W (normal mode)/
0.6 W (stand-by mode)/100-240 V
3 years, 90 days lamp warranty (max. 300 hours)

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),
ceiling mounts: 15 cm (POA-CM01), 40-70 cm
(POA-CM02), 70-110 cm (POA-CM03)

2 x wide-angle zoom lens

Business & Education

PLC-XE34

Economy
3 x 0.55" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
2,200 / 1,540 (eco mode)
6,000 h (normal mode)/4,000 h (high mode)
29 dB (normal mode)/34 dB (high mode)
F = 2.00-2.15/f = 18.38-22.06 mm
1.62-1.92 : 1
1.3-11.8 m
500 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

181 W (normal mode)/218 W (high mode)/
0.7 W (stand-by mode)/100-240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 94.2 x 247.0 mm
2.6 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-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40-70 cm
(POA-CM02), 70-110 cm (POA-CM03)

Standard lens



Model

Application
Panel

Lamp
Brightness in 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
Color 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-XD2200

Economy
3 x 0.55" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
2,200 / 1,540 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.62–1.92 : 1
1.3–11.8 m
500 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

181 W (eco mode)/210 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 94.2 x 247.0 mm
2.6 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-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XD2600

Economy
3 x 0.55" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
2,600 / 1,690 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.62–1.92 : 1
1.3–11.8 m
500 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

183 W (eco mode)/248 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 94.2 x 247.0 mm
2.6 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-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XW300

Economy
3 x 0.63" TFT p-Si (4 : 3)

220 W UHP (LMP-132)
3,000 / 2,000 (eco mode)
4,000 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.43–1.72 : 1
1.1–10.5 m
500 : 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
Audio output: 3.5 mm stereo jack
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-30°
4.3 : 1 (fixed U/D ratio)

204 W (eco mode)/259 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 94.2 x 247.0 mm
2.5 kg
IR remote control, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, lens cover
with cord, CD-ROM for network integration

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XK2200

Economy
3 x 0.55" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
2,200 / 1,540 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.62–1.92 : 1
1.3–11.8 m
2,000 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

10 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

186 W (eco mode)/223 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 104.6 x 247.0 mm
2.9 kg
IR remote control, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, lens cover
with cord, longlife filter

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XK2600

Economy
3 x 0.55" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
2,600 / 1,690 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.62–1.92 : 1
1.3–11.8 m
2,000 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

10 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

187 W (eco mode)/252 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 104.6 x 247.0 mm
2.9 kg
IR remote control, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, lens cover
with cord, longlife filter

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XK3010

Economy
3 x 0.63" TFT p-Si (4 : 3)

215 W UHP (LMP-142)
3,000 / 1,950 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.43–1.72 : 1
1.1–10.5 m
2,000 : 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

10 W mono
vertical +/-30°
6 : 1 (fixed U/D ratio)

187 W (eco mode)/252 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 104.6 x 247.0 mm
2.9 kg
IR remote control, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, lens cover
with cord, longlife filter

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-WK2500

Economy
3 x 0.59" TFT p-Si (16 : 10)

215 W UHP (LMP-142)
2,500 / 1,625 (eco mode)
6,000 h (eco mode)/4,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.00–2.15/f = 18.38–22.06 mm
1.44–1.72 : 1
1.2–11.1 m
3,000 : 1
1,280 x 800 (W-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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

10 W mono
vertical +/-30°
13 : 1 (fixed U/D ratio)

187 W (eco mode)/252 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

333.5 x 104.6 x 247.0 mm
2.9 kg
IR remote control, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, lens cover
with cord, longlife filter

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
VGA-/S-Video cable 0.4 m (POA-CA-VGAS),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

Standard lens



Model

Application
Panel

Lamp
Brightness in 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
Color 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-XC56

Economy
3 x 0.63" TFT p-Si (4 : 3), micro lens
220 W UHP (LMP-127)
3,100 / 2,108 (eco mode)
4,000 h (eco mode)/2,000 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: 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 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

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

205 W (eco mode)/290 W (normal mode)/
0.9 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

410.0 x 111.2 x 266.8 mm
4.1 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, exchange filter

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), exchange filter (POA-FIL-063)

Standard lens

PDG-DXL100

Ultra-Short-Throw
1 x 0.55" DMD Chip (4 : 3)
225 W UHP (LMP-138)
2,700 / 1,917 (eco mode)
4,000 h (eco mode)/3,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.6/f = 6.97 mm
0.61 : 1
0.50–3.72 m
750 : 1
1,024 x 768 (XGA)
40"–300"
80%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB)
Input 3: D-Sub15 (RGB)
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Audio: 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: RJ45 (LAN)
Control input jack 2: Mini DIN 8 (RS232)

8 W mono
vertical +/-15°
20 : -3 (fixed U/D ratio)

220 W (eco mode)/275 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

306.5 x 120.5 x 292.3 mm
3.7 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), wall mount (POA-WMST01)

Wide-angle lens

PDG-DWL100

Ultra-Short-Throw
1 x 0.65" DMD Chip (16 : 10)
225 W UHP (LMP-138)
2,600 / 1,846 (eco mode)
4,000 h (eco mode)/3,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 2.6/f = 7.20 mm
0.51 : 1
0.5–3.7 m
1,900 : 1
1,280 x 800 (WXGA)
47"–338"
80%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB)
Input 3: D-Sub15 (RGB)
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Audio: 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: RJ45 (LAN)
Control input jack 2: Mini DIN 8 (RS232)

8 W mono
vertical +/-15°
20 : -3 (fixed U/D ratio)

220 W (eco mode)/275 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

306.5 x 120.5 x 292.3 mm
3.8 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, lens cover with cord

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), wall mount (POA-WMST01)

Wide-angle lens

PLC-WL2500

Ultra-Short-Throw
3 x 0.59" TFT p-Si (16 : 10), micro lens
230 W NSH (LMP-141)
2,500 / 1,900 (eco mode)
4,000 h (eco mode)/3,000 h (normal mode)
29 dB (eco mode)/36 dB (normal mode)
F = 1.8/f = 6.68 mm
0.5 : 1
0.64–1.20 m
500 : 1
1,280 x 800 (WXGA)
60"–110"
80%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB/component)
Input 3: D-Sub15 (RGB) or monitor out
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 1: RJ45 (LAN)
Control input jack 2: D-Sub9 (RS232)

10 W mono
vertical +/-20°
10 : -1.68 (fixed U/D ratio)

217 W (eco mode)/316 W (normal mode)/
0.7 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

350.0 x 143.4 x 381.9 mm
4.6 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord, longlife-filter

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), wall mount (POA-WMST01)

Wide-angle lens

PLC-WL2503

Interactive ultra-short-throw projector
3 x 0.59" TFT p-Si (16 : 10), micro lens
230 W NSH (LMP-141)
2,500 / 1,900 (eco mode)
4,000 h (eco mode)/3,000 h (normal mode)
29 dB (eco mode)/36 dB (normal mode)
F = 1.8/f = 6.68 mm
0.5 : 1
0.64–1.20 m
500 : 1
1,280 x 800 (W-XGA)
60"–110"
80%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB/component)
Input 3: D-Sub15 (RGB) or monitor out
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 1: RJ45 (LAN)
Control input jack 2: D-Sub9 (RS232)

10 W mono
vertical +/-20°
10 : -1.68 (fixed U/D ratio)

217 W (eco mode)/316 W (normal mode)/
0.8 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

350.0 x 143.4 x 381.9 mm
4.7 kg
IR remote control, batteries, user manual, power cable, USB cable, D-Sub15 cable, PIN code label, software for interactive function (CD-ROM), interactive pen, interactive pointer, lens cover with cord, longlife-filter

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), wall mount (POA-WMST01)

Wide-angle lens

PDG-DXL2000

Ultra-Short-Throw
1 x 0.55" DMD Chip (4 : 3)
275 W UHP (LMP-143)
2,000 / 1,550 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
28 dB (eco mode)/36 dB (normal mode)
F = 2.5/f = 4.83 mm
0.24 : 1
-0.045–0.141 m
2,000 : 1
1,024 x 768 (XGA)
55"–90"
80%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB/component/S-Video)
Input 3: D-Sub15 (RGB) or monitor out
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: Mini DIN 3 (3D function)

10 W mono
vertical +/-5°
-/-

305 W (eco mode)/375 W (normal mode)/
0.8 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

321 x 178 x 386 mm
6.2 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, longlife-filter

SCART/D-Sub15 cable (POA-CA-SCART), wall mount (POA-CH-EX06)

Extreme wide-angle lens

PDG-DWL2500

Ultra-Short-Throw
1 x 0.65" DMD Chip (16 : 10)
275 W NSH (LMP-143)
2,500 / 2,000 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
28 dB (eco mode)/36 dB (normal mode)
F = 2.5/f = 4.83 mm
0.19 : 1
-0.066–0.159 m
2,000 : 1
1,280 x 800 (WXGA)
60"–110"
78%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (HDCP)
Input 2: D-Sub15 (RGB/component/S-Video)
Input 3: D-Sub15 (RGB) or monitor out
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: Mini DIN 3 (3D function)

10 W mono
vertical +/-5°
-/-

305 W (eco mode)/375 W (normal mode)/
0.8 W (stand-by mode)/100–240 V

3 years, 1-year lamp warranty (max. 2,000 hours)

321 x 178 x 386 mm
6.2 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, longlife-filter

SCART/D-Sub15 cable (POA-CA-SCART), wall mount (POA-CH-EX06)

Extreme wide-angle lens



Model

Application
Panel

Lamp
Brightness in 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
Color 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-XU301A

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

225 W UHP (LMP-131)
3,000 / 2,100 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.65–2.33/f = 15.47–24.53 mm
1.18–1.91 : 1
0.69–7.23 m
500 : 1
1,024 x 768 (XGA)
30"–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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

7 W mono
vertical +/-30°
9 : 1 (fixed U/D ratio)

225 W (eco mode)/288 W (normal mode)/
0.8 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

326.0 x 92.6 x 265.2 mm
2.9 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-XU305A

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

225 W UHP (LMP-131)
3,500 / 2,450 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.65–2.33/f = 15.47–24.53 mm
1.18–1.91 : 1
0.69–7.23 m
500 : 1
1,024 x 768 (XGA)
30"–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: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
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 (mouse control)
Others: USB type A (USB-Key), integrated wireless function

7 W mono
vertical +/-30°
9 : 1 (fixed U/D ratio)

240 W (eco mode)/310 W (normal mode)/
0.8 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

326.0 x 92.6 x 266.8 mm
2.9 kg
IR remote control with laser pointer and mouse function, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration, USB stick with software for Easy Wireless Network Set-Up

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-XU350A

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

225 W UHP (LMP-131)
3,500 / 2,450 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.65–2.33/f = 15.47–24.53 mm
1.72–2.07 : 1
1.39–12.70 m
500 : 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 (composite)
Input 4: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-30°
9 : 1 (fixed U/D ratio)

225 W (eco mode)/287 W (normal mode)/
0.8 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

326.0 x 92.6 x 231.6 mm
2.6 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XU355A

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

225 W UHP (LMP-131)
3,500 / 2,450 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.65–2.33/f = 15.47–24.53 mm
1.18–1.91 : 1
0.69–7.23 m
500 : 1
1,024 x 768 (XGA)
30"–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: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
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 (mouse control)
Others: USB type A (USB-Key), integrated wireless function

7 W mono
vertical +/-30°
9 : 1 (fixed U/D ratio)

240 W (eco mode)/310 W (normal mode)/
0.8 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

326.0 x 92.6 x 266.8 mm
2.9 kg
IR remote control with laser pointer and mouse function, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration, USB stick with software for Easy Wireless Network Set-Up

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-WXU300

Business
3 x 0.59" TFT p-Si (16 : 10), micro lens

225 W UHP (LMP-131)
2,500 / 1,750 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.65–2.33/f = 15.47–24.53 mm
1.18–1.91 : 1
0.74–7.67 m
500 : 1
1,280 x 800 (WXGA)
30"–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: HDMI (HDCP)
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

7 W mono
vertical +/-30°
49 : 1 (fixed U/D ratio)

213 W (eco mode)/291 W (normal mode)/
0.8 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

326.0 x 92.6 x 265.2 mm
2.8 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration

Components/D-Sub15 cable (POA-CA-COMPVGA), SCART/D-Sub15 cable (POA-CA-SCART), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-XU4000

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

245 W UHP (LMP-148)
4,000 / 2,600 (eco mode)
5,000 h (eco mode)/3,000 h (normal mode)
29 dB (eco mode)/34 dB (normal mode)
F = 1.60–1.76/f = 22.3–26.8 mm
1.73–2.08 : 1
1.39–12.70 m
2,000 : 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/component/SCART-RGB) or monitor out
Input 3: RCA (composite)
Input 4: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

10 W mono
vertical +/-30°
9 : 1 (fixed U/D ratio)

216 W (eco mode)/307 W (normal mode)/
0.9 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 2,000 hours)

350.0 x 97.0 x 261.1 mm
3.3 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, longlife-filter

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

Standard lens

PLC-XU106

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

275 W NSH (LMP-111)
4,500 / 3,600 (eco mode)
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
0.93–11.5 m
1,000 : 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) or monitor out
Input 3: RCA (composite)
Input 4: Mini DIN 4 (S-Video)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)

1 W mono
vertical +/-40°, horizontal +/-30°
9 : 1 (fixed U/D ratio)

269 W (eco mode)/306 W (normal mode)/
0.9 W (stand-by mode)/100–240 V
5 years (max. 6,000 hours), 5-year lamp warranty (max. 2,500 hours)

335.7 x 93.9 x 257.5 mm
3.4 kg
IR remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, carrier bag, lens cover with cord, CD-ROM for network integration

SCART/D-Sub15 cable (POA-CA-SCART), components/D-Sub15 cable (POA-CA-COMPVGA), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens



Model

Application
Panel

Lamp
Brightness in 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
Color 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-XU116

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

275 W NSH (LMP-111)
4,500 / 3,600 (eco mode)
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
0.93–11.5 m
1,000 : 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: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
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 (mouse control)
Control input jack 3: 3.5 mm stereo jack (cable remote control)
Others: USB type A (USB-Key), integrated wireless function

1 W mono
vertical +/-40°, horizontal +/-30°
9 : 1 (fixed U/D ratio)

283 W (eco mode)/318 W (normal mode)/
0.9 W (stand-by mode)/100–240 V
5 years (max. 6,000 hours), 5-year lamp warranty
(max. 2,500 hours)

335.7 x 93.9 x 257.5 mm
3.5 kg
IR/cable remote control with laser pointer, batteries,
user manual, power cable, D-Sub15 cable, PIN code
label, carrier bag, lens cover with cord, CD-ROM
for network integration, USB stick with software for
Easy Wireless Network Set-Up

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-WXU700A

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

275 W NSH (LMP-111)
3,800 / 3,040 (eco mode)
3,000 h (eco mode)/2,500 h (normal mode)
31 dB (eco mode)/35 dB (normal mode)
F = 1.7–2.5/f = 19.2–30.2 mm
1.17–1.87 : 1
0.99–12.10 m
500 : 1
1,280 x 800 (WXGA)
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: HDMI (HDCP)
Input 4: RCA (composite)
Input 5: Mini DIN 4 (S-Video)
Input 6: RJ45 (LAN)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
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)
Others: USB type A (USB-Key), integrated wireless function

1 W mono
vertical +/-40°
49 : 1 (fixed U/D ratio)

280 W (eco mode)/317 W (normal mode)/
0.7 W (stand-by mode)/100–240 V
5 years (max. 6,000 hours), 5-year lamp warranty
(max. 2,500 hours)

335.7 x 93.9 x 257.5 mm
3.6 kg
IR/cable remote control with laser pointer and
mouse function, batteries, user manual, power
cable, D-Sub15 cable, PIN code label, carrier bag,
lens cover with cord, CD-ROM for network
integration, USB stick with software for Easy Wireless
Network Set-Up

SCART/D-Sub15 cable (POA-CA-SCART),
components/D-Sub15 cable (POA-CA-COMPVGA),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03)

1.6 x wide-angle zoom lens

PLC-ET30L

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

330 W NSH (LMP-116)
4,200 / 3,360 (eco mode)
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 (SXGA+)
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: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
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)
Control input jack 4: D-Sub25 for PJ-Net Organizer

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, 90 days lamp warranty (max. 300 hours)

348.1 x 164.0 x 444.0 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), ceiling mounts: 15 cm (POA-CM01),
40–70 cm (POA-CM02), 70–110 cm (POA-CM03),
ceiling mount (POA-CMP10)

5 interchangeable lenses

PLC-WTC500AL

Installation
3 x 0.95" TFT p-Si (16 : 10)

2 x 330 W NSH (LMP-125)
5,000 / 4,000 (eco mode)
3,000 h (eco mode)/2,500 h (normal mode)
31 dB (eco mode)/35 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
3,000 : 1
1,280 x 800 (WXGA)
30"–300"
90%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: HDMI (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: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
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)
Control input jack 4: D-Sub25 for PJ-Net Organizer

2 x 3 W stereo
vertical +/-40°, horizontal +/-20°
10 : 0 to 0 : 10 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)/440 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

451.0 x 175.0 x 550.1 mm
14.7 kg
IR/cable remote control with laser pointer and
mouse function, batteries, user manual, power
cable, USB cable, D-Sub15 cable, PIN code label,
exchange filter

PJ-Net Organizer Plus II with video camera
(POA-PN03C), ceiling mounts: 15 cm (POA-CM01),
40–70 cm (POA-CM02), 70–110 cm (POA-CM03),
exchange filter (POA-FIL-100), ceiling mount
(POA-CMP10)

5 interchangeable lenses

PLC-XM100L

Installation
3 x 0.8" TFT p-Si (4 : 3), micro lens

275 W NSH (LMP-137)
5,000 / 4,000 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
31 dB (eco mode)/38 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
1,000 : 1
1,024 x 768 (XGA)
40"–400"
90%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: D-Sub15 (RGB/SCART-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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: USB type B
Control input jack 4: 3.5 mm stereo jack (cable remote control)
Control input jack 5: D-Sub25 for PJ-Net Organizer

7 W mono
vertical +/-40°, horizontal +/-20°
10 : 0 to 0 : 10 vertical
(applies to LNS-S20/T20/T21/W20)
1 : 1 vertical (applies to LNS-W21)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S20/T20/T21/W20)
1 : 1 horizontal (applies to LNS-W21)

338 W (eco mode)/400 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 1,000 hours)

489.5 x 164.0 x 371.1 mm
8.9 kg
IR/cable remote control with mouse function,
batteries, user manual, power cable, USB cable,
D-Sub15 cable, PIN code label, lens cap, exchange
filter

SCART/D-Sub15 cable (POA-CA-SCART), PJ-Net
Organizer Plus II with video camera (POA-PN03C),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03), exchange
filter (POA-FIL-080), ceiling mount (POA-CMP10)

5 interchangeable lenses

PLC-XM150L

Installation
3 x 0.8" TFT p-Si (4 : 3), micro lens

330 W NSH (LMP-136)
6,000 / 4,800 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
31 dB (eco mode)/38 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
1,000 : 1
1,024 x 768 (XGA)
40"–400"
90%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: D-Sub15 (RGB/SCART-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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9
Control input jack 2: RJ45 (LAN)
Control input jack 3: USB type B
Control input jack 4: 3.5 mm stereo jack (cable remote control)
Control input jack 5: D-Sub25 for PJ-Net Organizer

7 W mono
vertical +/-40°, horizontal +/-20°
10 : 0 to 0 : 10 vertical
(applies to LNS-S20/T20/T21/W20)
1 : 1 vertical (applies to LNS-W21)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S20/T20/T21/W20)
1 : 1 horizontal (applies to LNS-W21)

385 W (eco mode)/460 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 1,000 hours)

489.5 x 164.0 x 371.1 mm
8.9 kg
IR/cable remote control with mouse function,
batteries, user manual, power cable, USB cable,
D-Sub15 cable, PIN code label, lens cap, exchange
filter

SCART/D-Sub15 cable (POA-CA-SCART), PJ-Net
Organizer Plus II with video camera (POA-PN03C),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03), exchange
filter (POA-FIL-080), ceiling mount (POA-CMP10)

5 interchangeable lenses

PLC-WM4500L

Installation
3 x 0.75" TFT p-Si (16 : 10), micro lens

275 W NSH (LMP-137)
4,500 / 3,600 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
31 dB (eco mode)/38 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
800 : 1
1,280 x 800 (WXGA)
40"–400"
90%
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: D-Sub15 (RGB/SCART-RGB),
HDMI (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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: USB type B
Control input jack 4: 3.5 mm stereo jack (cable remote control)

7 W mono
vertical +/-40°
11 : -1 to -1 : 11 vertical
(applies to LNS-S20/T20/T21/W20)
1 : 1 vertical (applies to LNS-W21)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S20/T20/T21/W20)
1 : 1 horizontal (applies to LNS-W21)

336 W (eco mode)/397 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 1,000 hours)

489.5 x 164.0 x 371.1 mm
8.5 kg
IR/cable remote control with mouse function,
batteries, user manual, power cable, USB cable,
D-Sub15 cable, PIN code label

SCART/D-Sub15 cable (POA-CA-SCART),
ceiling mounts: 15 cm (POA-CM01), 40–70 cm
(POA-CM02), 70–110 cm (POA-CM03), ceiling
mount (POA-CMP10)

5 interchangeable lenses



Model

Application
Panel

Lamp
Brightness in 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
Color 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-WM5500L

Installation
3 x 0.75" TFT p-Si (16 : 10), micro lens

330 W NSH (LMP-136)
5,500 / 4,400 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
31 dB (eco mode)/38 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
800 : 1
1,280 x 800 (WXGA)
40"–400"
90 %
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: D-Sub15 (RGB/SCART-RGB), HDMI (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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: USB type B
Control input jack 4: 3.5 mm stereo jack (cable remote control)
Control input jack 5: D-Sub25 for PJ-Net Organizer

7 W mono
vertical +/-40°, horizontal +/-20°
11 : -1 to -1 : 11 vertical
(applies to LNS-S20/T20/T21/W20)
1 : 1 vertical (applies to LNS-W21)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S20/T20/T21/W20)
1 : 1 horizontal (applies to LNS-W21)

385 W (eco mode)/460 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 1,000 hours)

489.5 x 164.0 x 371.1 mm
8.9 kg
IR/cable remote control with mouse function, batteries, user manual, power cable, D-Sub15 cable, PIN code label, exchange filter

SCART/D-Sub15 cable (POA-CA-SCART), PJ-Net Organizer Plus II with video camera (POA-PN03C), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), exchange filter (POA-FIL-080), ceiling mount (POA-CMP10)

5 interchangeable lenses

PLC-ZM5000L

Installation
3 x 0.76" TFT p-Si (16 : 10), micro lens

330 W NSH (LMP-136)
5,000 / 4,400 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
29 dB (eco mode)/35 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
2,000 : 1
1,920 x 1,200 (WUXGA)
40"–400"
90 %
PAL, SECAM, NTSC, NTSC4.43, PAL-M/N
Input 1: D-Sub15 (RGB/SCART-RGB), HDMI (HDCP), 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)
Audio: 2 x RCA (R/L mono), 2 x 3.5 mm stereo jack
Audio output: 3.5 mm stereo jack
Control input jack 1: RJ45 (LAN)
Control input jack 2: D-Sub9 (RS232)
Control input jack 2: USB type B
Control input jack 3: 3.5 mm stereo jack (cable remote control)
Control input jack 4: D-Sub25 for PJ-Net Organizer

10 W Mono
vertical +/-20°, horizontal +/-20°
11 : -1 to -1 : 11 vertical
(applies to LNS-S20/T20/T21/W20)
1 : 1 vertical (applies to LNS-W21)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S20/T20/T21/W20)
1 : 1 horizontal (applies to LNS-W21)

415 W (eco mode)/488 W (normal mode)/
0.6 W (stand-by mode)/100–240 V
3 years, 1-year lamp warranty (max. 1,000 hours)

489.5 x 164.0 x 371.1 mm
9 kg
IR remote control with mouse function, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cap, exchange filter

PJ-Net Organizer Plus II with video camera (POA-PN03C), SCART/D-Sub15 cable (POA-CA-SCART), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), exchange filter (POA-FIL-080), ceiling mount (POA-CMP10)

5 interchangeable lenses

PLC-XP100L

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

330 W NSH (LMP-108)
6,500 / 5,200 (eco mode)
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)
Control input jack 4: D-Sub25 for PJ-Net Organizer

–
vertical +/-40°, horizontal +/-20°
10 : 0 to 1 : 1 vertical
(applies to LNS-S31/W31A/T31A/T32/T33)
1 : 1 vertical (applies to LNS-W32E)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S31/W31A/T31A/T32/T33)
1 : 1 horizontal (applies to LNS-W32E)

385 W (eco mode)/439 W (normal mode)/
27 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

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, exchange filter

PJ-Net Organizer Plus II with video camera (POA-PN03C), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), exchange filter (POA-FIL-131), ceiling mount (POA-CMP10)

6 interchangeable lenses

PLC-XP200L

Installation
3 x 1.3" TFT p-Si (4 : 3), micro lens , 1 x Color Control Device, QuaDrive®
330 W NSH (LMP-124)
7,000 / 5,600 (eco mode)
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
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 (mouse control)
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: 3.5 mm stereo jack (cable remote control)
Control input jack 3: USB type B
Control input jack 4: D-Sub25 for PJ-Net Organizer

–
vertical +/-40°, horizontal +/-20°
10 : 0 to 1 : 1 vertical
(applies to LNS-S31/W31A/T31A/T32/T33)
1 : 1 vertical (applies to LNS-W32E)
3 : 2 to 2 : 3 horizontal
(applies to LNS-S31/W31A/T31A/T32/T33)
1 : 1 horizontal (applies to LNS-W32E)

397 W (eco mode)/478 W (normal mode)/
25 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

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, exchange filter

PJ-Net Organizer Plus II with video camera (POA-PN03C), ceiling mounts: 15 cm (POA-CM01), 40–70 cm (POA-CM02), 70–110 cm (POA-CM03), exchange filter (POA-FIL-131), ceiling mount (POA-CMP10)

6 interchangeable lenses

PDG-DET100L

Installation
1 x 0.95" DMD Chip (4 : 3)

2 x 330 W UHP (LMP-130)
7,500 / 6,375 (eco mode)
2,500 h (eco mode)/2,000 h (normal mode)
36 dB (eco mode)/40 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
7,500 : 1
1,400 x 1,050 (SXGA+)
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/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: D-Sub9 (RS232)
Control input jack 2: 3.5 mm stereo jack (cable remote control)
Control input jack 3: USB type B
Control output: D-Sub9 (RS232)

–
vertical +/-30°, horizontal +/-30°
21 : -1 to -1 : 21 vertical (applies to LNS-T50/T51)
9 : 1 to 1 : 9 vertical (applies to LNS-S51/W53)
1 : 1 vertical (applies to LNS-W52)
19 : 1 to 1 : 19 horizontal (applies to T50/T51)
3,17 : 1 to 1 : 3,17 horizontal
(applies to LNS-S51/W53)
1 : 1 horizontal (applies to LNS-W52)

700 W (eco mode)/805 W (normal mode)/
26.5 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

400.0 x 242.5 x 523.5 mm
19.6 kg
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro, 2 x 6-seg ment color wheel, exchange filter

Exchange filter (POA-FIL-131), ceiling mount (POA-CMP20),
8 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-MD13NET2),
Warp & Blending Board (POA-MD21WARP),
DVI/D-Sub15 Board (POA-MD23ADI),
5 BNC Board (POA-MD25VD3)

5 interchangeable lenses

PDG-DHT8000L

Installation
1 x 0.95" DMD Chip (16 : 9)

2 x 330 W UHP (LMP-145)
8,000 / 6,400 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
35 dB (eco mode)/38 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
7,500 : 1
1,920 x 1,080 (HDTV 1.080i)
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/Video/Y-Pb/Cb-Pr/Cr)
Input 3: freely configurable with optional interface boards
Input 4: freely configurable with optional interface boards
Monitor output: D-Sub15
Control input jack 1: D-Sub9 (RS232)
Control input jack 2: RJ45 (LAN)
Control input jack 3: 3.5 mm stereo jack (cable remote control)
Control input jack 4: USB type B
Control output: D-Sub9 (RS232)

–
vertical +/-30°, horizontal +/-30°
6.65 : -1 to -1 : 6.65 vertical
(applies to LNS-T50/T51)
21 : -1 to -1 : 21 vertical (applies to LNS-S51/W53)
1 : 1 vertical (applies to LNS-W52)
10.7 : 1 to 1 : 10.7 horizontal
(applies to LNS-T50/T51)
3 : 1 to 1 : 3 horizontal (applies to LNS-S51/W53)
1 : 1 horizontal (applies to LNS-W52)

761 W (eco mode)/917 W (normal mode)/
22 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

400.0 x 242.5 x 523.5 mm
19.6 kg
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, software for Real Colour Manager Pro, 2 x 6-segment color wheel, exchange filter

Exchange filter (POA-FIL-090), ceiling mount (POA-CMP20),
3 optional adapter boards:
DVI-I Board (POA-MD18DVI),
D-Sub15 Board (POA-MD04VGA),
5 BNC Board (POA-MD25VD3),
HD-SD-SDI Board (POA-MD17SDID)

5 interchangeable lenses

PLC-XF1000

Installation
3 x 1.8" TFT p-Si (4 : 3), 1 x Color Control Device, QuaDrive®
330 W NSH (LMP-128)
12,000 / 9,600 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
39 dB (eco mode)/42 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
4,000 : 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: D-Sub9 (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-W03E)
8 : 1 to 1 : 8 vertical (applies to all other lenses)
5 : 2 to 2 : 5 vertical (applies to LNS-M02/S04)
1 : 1 horizontal (applies to LNS-W03E/W08)
3 : 2 to 2 : 3 horizontal (applies to all other lenses)

720 W (eco mode)/895 W (normal mode)/
17 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

530.0 x 268.1 x 757.0 mm
27.6 kg
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord, software for Real Colour Manager Pro, 2 light-block sheets, 2 lens adapters, exchange filter

Exchange filter (POA-FIL-180), ceiling mount (POA-CMP30),
9 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-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



Model

Application
Panel
Lamp
Brightness in 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
Color 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-HF10000L

Installation
3 x 1.64" TFT p-Si (17 : 9), 1 x Color Control Device, QuaDrive®
2 x 380 W UHP (LMP-146)
10,000 / 8,000 (Eco-Mode)
3,000 h (eco mode)/2,000 h (normal mode)
39 dB (eco mode)/43 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
3,000 : 1
2,048 x 1,080 (2K)
40"–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/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: RJ45 (LAN)
Control input jack 2: D-Sub9 (RS232)
Control input jack 3: USB type B
Control input jack 4: 3.5 mm stereo jack (cable remote control)
Control output: D-Sub9 (RS232)

vertical +/-30°, horizontal +/-30°
1 : 1 vertical (applies to LNS-W03E)
10 : 0 to 0 : 10 vertical (applies to all other lenses)
1 : 1 horizontal (applies to LNS-W03E/W06)
3 : 2 to 2 : 3 horizontal (applies to all other lenses)

770 W (eco mode)/955 W (normal mode)/18 W (stand-by mode)/100–240 V
3 years, 90 days lamp warranty (max. 300 hours)

538.5 x 268.0 x 757.0 mm
27.6 kg
IR/cable remote control, batteries, user manual, power cable, D-Sub15 cable, PIN code label, lens cover with cord, software for Real Colour Manager Pro, 3 light-block sheets, 3 lens adapters, exchange filter

Exchange filter (POA-FIL-180), ceiling mount (POA-CMP30), 4 optional adapter boards: DVI/D-Sub15 Board (POA-AMD23ADI), 5 BNC Board (POA-AMD25VD3), HD-SD-SDI Board (POA-AMD17SDID), Dual-Link SDI-Board (POA-AMD22SDIDL)
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9 interchangeable lenses

PLC-XF47

Installation
3 x 1.8" TFT p-Si (4 : 3)
4 x 330 W NSH (LMP-109)
15,000 / 12,000 (eco mode)
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-S02Z)
1 : 1 vertical (applies to LNS-W03E)
8 : 1 to 1 : 8 vertical (applies to all other lenses)
5 : 2 to 2 : 5 vertical (Applies to LNS-M02/S04)
1 : 1 horizontal (applies to LNS-W03E/W06)
3 : 2 to 2 : 3 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, 90 days lamp warranty (max. 300 hours)

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 sheets, 2 lens adapters

Ceiling mount (POA-CMP40), 9 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-MD13NET2), Warp & Blending Board (POA-MD21WARP), DVI/D-Sub15 Board (POA-MD23ADI), 5 BNC Board (POA-MD25VD3), HD DATA WIRELESS Receiver Board (POA-MD26HDWL)

11 interchangeable lenses

PLC-HF15000L

Installation
3 x 1.64" TFT p-Si (17 : 9), 1 x Color Control Device, QuaDrive®
4 x 380 W NSH (LMP-147)
15,000 / 12,000 (eco mode)
3,000 h (eco mode)/2,000 h (normal mode)
48 dB (eco mode)/51 dB (normal mode)
Delivery without lens
Depending on lens
Depending on lens
3,000 : 1
2,048 x 1,080 (2K)
40"–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/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: RJ45 (LAN)
Control input jack 2: D-Sub9 (RS232)
Control input jack 3: 3.5 mm stereo jack (cable remote control)
Control input jack 4: USB type B
Control output: D-Sub9 (RS232)

vertical +/-30°, horizontal +/-30°
1 : 1 vertical (applies to LNS-S02Z)
10 : 0 to 0 : 10 vertical (applies to all other lenses)
1 : 1 horizontal (applies to LNS-W03E/W06)
3 : 2 to 2 : 3 horizontal (applies to all other lenses)

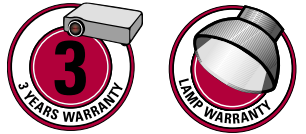
1,450 W (eco mode)/1,850 W (normal mode)/18 W (stand-by mode)/200–240 V
3 years, 90 days lamp warranty (max. 300 hours)

650 x 349 x 815 mm
46.5 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 sheets, 3 lens adapters, automatic air filter cleaning system

Automatic air filter cleaning system, smoke-resistance filter cartridge (POA-SR-160), smoke-resistance filter (POA-FIL-160), 4 optional adapter boards: DVI/D-Sub15 Board (POA-AMD23ADI), 5 BNC Board (POA-AMD25VD3), HD-SD-SDI Board (POA-AMD17SDID), Dual-Link SDI Board (POA-AMD22SDIDL)

11 interchangeable lenses

SANYO warranty & 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 from a dealer. Should a defect occur within the warranty period under normal and proper use, we will arrange for the device to be repaired or replaced free of charge by one of our service partners. Registering the device on the SANYO homepage ensures that any warranty claims arising are dealt with quickly and smoothly.

Lamp warranty

SANYO offers customers the following lamp warranties:

1. General lamp warranty

A total warranty period of 90 days or 300 operating hours, whichever comes first, is granted for all lamps used in SANYO projectors. In order to ensure a quick and smooth warranty claim procedure, we kindly ask you to register your purchase on the SANYO website.

2. Extended lamp warranty

SANYO offers an extended 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. The overview on the previews pages lists the available projectors.

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 ADAPTER BOARDS



DVI-I Board

POA-MD18DVI*
T.M.D.S. (HDCP)

DVI
500 mVrms (47 KΩ)
2 x RCA
Mini DIN 8

* for PLC-XF47/XF1000, PDG-DET100L

D-Sub15 Board

POA-MD04VGA*
RGBHV: Sync on G

D-Sub15
500 mVrms (47 KΩ)
2 x RCA
Mini DIN 8

* for PLC-XF47/XF1000, PDG-DET100L

DVI/D-Sub15 Board

POA-MD23ADI*, POA-AMD23ADI**
T.M.D.S. (HDCP),
RGBHV: Sync on G
DVI-D, D-Sub15

* for PLC-XF47/XF1000, PDG-DET100L
** for PDG-DHT8000L, PLC-HF10000L/HF15000L

5 BNC Board

POA-MD25VD3*, POA-AMD25VD3**
RGBHV: Sync on G
Component: Sync on Y, S-Video, Video
5 BNC, S-Video

* for PLC-XF47/XF1000, PDG-DET100L
** for PDG-DHT8000L, PLC-HF10000L/HF15000L



5 BNC Board

POA-MD16VD1*
RGBHV: Sync on G
Component: Sync on Y, S-Video, Video
5 BNC
500 mVrms (47 KΩ)
2 x RCA
Mini DIN 8

* for PLC-XF47/XF1000, PDG-DET100L

HD-SD-SDI Board

POA-MD17SDID*, POA-AMD17SDID**
SMPTE259M-C
SMPTE260M/274M/296M
3 BNC (2 x SDI in; 1 x SDI out)
75 kΩ

* for PLC-XF47/XF1000, PDG-DET100L
** for PDG-DHT8000L, PLC-HF10000L/HF15000L

Network Board

POA-MD13NET2*

D-Sub9
RJ45

* for PLC-XF47/XF1000, PDG-DET100L

Warp & Blending Board

POA-MD21WARP*
T.M.D.S. (HDCP)

DVI-D
D-Sub9

* for PLC-XF47/XF1000, PDG-DET100L



HD DATA WIRELESS Receiver Board

POA-MD26HDWL*
T.M.D.S. (HDCP)
Component: via POA-HDTM01
Transmitted digital image data via POA-HDTM01

* for PLC-XF47/XF1000

Dual-Link SDI Board

POA-AMD22SDIDL*
SMPTE259M-C,
SMPTE260M/274M/296M/372M/2K
4 BNC (2 x SDI in; 2 x SDI out)
75 kΩ

* for PLC-HF10000L/HF15000L

OPTIONAL LENSES ... for LCD projectors of the F-series (1.64" and 1.8")



Type
Focal length
Aperture
Diameter
Zoom
Focus
Weight

LNS-M02

Short tele zoom
125 – 162 mm
2.1 – 2.7
137 mm
motorized (1.3 x)
motorized
3.1 kg

LNS-S02Z

Wide-angle zoom 1
76 – 98 mm
2.0 – 2.3
116 mm
motorized (1.3 x)
motorized
1.9 kg

LNS-S03

Standard zoom 2
97 – 131 mm
1.7 – 2.6
137 mm
motorized (1.3 x)
motorized
3.7 kg

LNS-S04

Standard zoom
76 – 98 mm
2.0 – 2.6
140 mm
motorized (1.3 x)
motorized
2.6 kg

LNS-T01Z*

Extreme tele
253 mm
2.0
158 mm
fixed
manual
3.8 kg

* for PLC-XF47, PLC-HF15000L

PLC-HF10000L/HF15000L (1.64")

Distance
Image size min. in cm
Image size max. in cm
Lens shift vertical
Lens shift horizontal

3.5 – 4.5 : 1
4.50 – 62.70 m
135 x 71
1,347 x 713
10 : 0 to 0 : 10
3 : 2 to 2 : 3

–
–
–
–
–
–

2.6 – 3.5 : 1
5.79 – 48.01 m
225 x 119
1,347 x 713
10 : 0 to 0 : 10
3 : 2 to 2 : 3

2.0 – 2.6 : 1
2.61 – 35.38 m
135 x 71
1,347 x 713
10 : 0 to 0 : 10
3 : 2 to 2 : 3

6.9 : 1
6.16 – 93.26 m
90 x 48
1,347 x 713
10 : 0 to 0 : 10
3 : 2 to 2 : 3

PLC-XF47/XF1000 (1.8")

Distance
Image size min. in cm
Image size max. in cm
Lens shift vertical
Lens shift horizontal

3.45 – 4.45 : 1
2.80 – 54.25 m
81 x 61
1,219 x 914
5 : 2 to 2 : 5
3 : 2 to 2 : 3

2.00 – 2.62 : 1
1.63 – 31.94 m
81 x 61
1,219 x 914
10 : 0 to 0 : 10
3 : 2 to 2 : 3

2.60 – 3.52 : 1
5.28 – 42.92 m
203 x 152
1,219 x 914
8 : 1 to 1 : 8
3 : 2 to 2 : 3

2.00 – 2.62 : 1
1.63 – 31.94 m
81 x 61
1,219 x 914
5 : 2 to 2 : 5
3 : 2 to 2 : 3

6.90 : 1
5.61 – 84.12 m
81 x 61
1,219 x 914
8 : 1 to 1 : 8
3 : 2 to 2 : 3

OPTIONAL LENSES ... for LCD projectors of the F-series (1.64" and 1.8")



	LNS-T02E	LNS-T03	LNS-W02Z	LNS-W03E	LNS-W04	LNS-W06
Type	Tele zoom	Extreme tele zoom	Wide-angle zoom	Extreme wide-angle	Wide-angle zoom	Wide-angle zoom
Focal length	158 – 221 mm	224 – 325 mm	52 – 68 mm	30 mm	58 – 76 mm	45 – 57 mm
Aperture	2.0 – 2.8	2.2 – 2.5	2.5 – 2.9	2.6	1.7 – 2.3	2.3 – 2.8
Diameter	130 mm	169 mm	114 mm	175 mm	122 mm	140 mm
Zoom	motorized (1.4 x)	manual (1.4 x)	motorized (1.3 x)	fixed	motorized (1.3 x)	motorized (1.3 x)
Focus	motorized	manual	motorized	manual	motorized	motorized
Weight	3.1 kg	7.3 kg	2.2 kg	3.1 kg	2.8 kg	3.0 kg

... for LCD projectors of the T-series (0.95" and 1.0")



	LNS-S11	LNS-T10	LNS-T11	LNS-W10	LNS-W11
Type	Standard zoom	Tele zoom	Extreme tele zoom	Wide-angle zoom	Extreme wide-angle
Focal length	33 – 43 mm	44 – 70 mm	69 – 109 mm	25 – 33 mm	16.51 mm
Aperture	1.7 – 2.1	2.0 – 2.6	2.10 – 2.52	2.3 – 2.6	2.3
Diameter	90 mm	89 mm	89 mm	95 mm	97 mm
Zoom	motorized (1.3 x)	motorized (1.6 x)	motorized (1.6 x)	motorized (1.3 x)	fixed
Focus	motorized	motorized	motorized	motorized	manual
Weight	0.8 kg	1.1 kg	1.1 kg	0.95 kg	1.0 kg

PLC-HF10000L/HF15000L (1.64")

	4.4 – 6.2 : 1	6.3 – 9.0 : 1	1.4 – 1.8 : 1	0.8 : 1	1.5 – 2.0 : 1	1.2 – 1.5 : 1
Throw distance ratio	4.11 – 82.03 m	5.79 – 120.21 m	1.20 – 24.93 m	0.67 – 10.98 m	1.02 – 27.73 m	1.02 – 20.93 m
Distance	90 x 48	90 x 48	90 x 48	90 x 48	90 x 48	90 x 48
Image size min. in cm	1,347 x 713	1,347 x 713	1,347 x 713	1,347 x 713	1,347 x 713	1,347 x 713
Image size max. in cm	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	1 : 1	10 : 0 to 0 : 10	10 : 0 to 0 : 10
Lens shift vertical	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1	3 : 2 to 2 : 3	1 : 1
Lens shift horizontal						

PLC-WTC500AL (0.95")

	1.6 – 2.1 : 1	2.1 – 3.5 : 1	3.4 – 5.4 : 1	1.2 – 1.6 : 1	0.8 : 1
Throw distance ratio	1.3 – 10.5 m	1.7 – 13.5 m	3.6 – 45.2 m	1.0 – 7.9 m	0.8 – 2.6 m
Distance	65 x 40	65 x 40	86 x 54	65 x 40	108 x 67
Image size min. in cm	646 x 404	646 x 404	862 x 539	646 x 404	323 x 202
Image size max. in cm	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	1 : 1
Lens shift vertical	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
Lens shift horizontal					

PLC-XF47/XF1000 (1.8")

	4.40 – 6.13 : 1	6.17 – 9.00 : 1	1.40 – 1.83 : 1	0.80 : 1	1.54 – 2.03 : 1	1.20 – 1.50 : 1
Throw distance ratio	4.00 – 74.74 m	5.02 – 109.73 m	1.14 – 22.31 m	0.65 – 9.75 m	1.25 – 24.75 m	0.98 – 18.29 m
Distance	81 x 61	81 x 61	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	8 : 1 to 1 : 8	8 : 1 to 1 : 8	8 : 1 to 1 : 8	1 : 1	8 : 1 to 1 : 8	8 : 1 to 1 : 8
Lens shift vertical	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1	3 : 2 to 2 : 3	1 : 1
Lens shift horizontal						

PLC-ET30L (1.0")

	1.62 – 2.11 : 1	2.12 – 3.46 : 1	3.4 – 5.4 : 1	1.24 – 1.61 : 1	0.8 : 1
Throw distance ratio	1.2 – 10.0 m	1.29 – 21.09 m	2.75 – 43.90 m	0.76 – 9.81 m	0.82 – 3.05 m
Distance	61 x 46	61 x 46	81 x 61	61 x 46	102 x 76
Image size min. in cm	610 x 457	610 x 457	813 x 610	610 x 457	305 x 229
Image size max. in cm	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	10 : 0 to 1 : 1	1 : 1
Lens shift vertical	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
Lens shift horizontal					

... for LCD projectors of the M-series (0.75", 0.76" and 0.80")



LNS-S20

Type	Standard zoom
Focal length	27 – 45 mm
Aperture	1.8 – 2.4
Diameter	108 mm
Zoom	motorized (1.7 x)
Focus	motorized
Weight	0.85 kg



LNS-T20

Type	Tele zoom
Focal length	45 – 74 mm
Aperture	1.8 – 2.4
Diameter	108 mm
Zoom	motorized (1.6 x)
Focus	motorized
Weight	1.18 kg



LNS-T21

Type	Extrem tele zoom
Focal length	74 – 117 mm
Aperture	1.8 – 2.4
Diameter	108 mm
Zoom	motorized (1.6 x)
Focus	motorized
Weight	1.2 kg



LNS-W20

Type	Wide-angle zoom
Focal length	20 – 28 mm
Aperture	1.8 – 2.3
Diameter	115 mm
Zoom	motorized (1.3 x)
Focus	motorized
Weight	1.2 kg



LNS-W21

Type	Extreme wide-angle
Focal length	13 mm
Aperture	2.0
Diameter	108 mm
Zoom	fixed
Focus	motorized
Weight	1.08 kg

PLC-WM4500L/WM5500L (0.75")

Throw distance ratio	1.7 – 2.8 : 1	2.8 – 4.6 : 1	4.6 – 7.2 : 1	1.3 – 1.7 : 1	0.8 : 1
Distance	1.4 – 24.4 m	2.4 – 39.8 m	3.8 – 63.4 m	0.98 – 13.9 m	0.6 – 6.95 m
Image size min. in cm	86 x 54	86 x 54	86 x 54	81 x 61	86 x 54
Image size max. in cm	862 x 538	862 x 538	862 x 538	813 x 610	862 x 538
Lens shift vertical	11 : -1 to -1 : 11	11 : -1 to -1 : 11	11 : -1 to -1 : 11	10 : 0 to 0 : 10	1 : 1
Lens shift horizontal	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1

PLC-ZM5000L (0.76")

Throw distance ratio	1.7 – 2.8 : 1	2.8 – 4.6 : 1	4.6 – 7.2 : 1	1.3 – 1.7 : 1	0.8 : 1
Distance	1.4 – 24.0 m	2.3 – 39.0 m	3.7 – 62.1 m	1.0 – 14.5 m	0.63 – 6.8 m
Image size min. in cm	86 x 54	86 x 54	86 x 54	86 x 54	86 x 54
Image size max. in cm	862 x 538	862 x 538	862 x 538	862 x 538	862 x 538
Lens shift vertical	11 : -1 to 1 : -11	11 : -1 to -1 : 11	11 : -1 to -1 : 11	11 : -1 to -1 : 11	1 : 1
Lens shift horizontal	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1

PLC-XM100L/XM150L (0.8")

Throw distance ratio	1.70 – 2.89 : 1	2.89 – 4.60 : 1	4.60 – 7.36 : 1	1.25 – 1.70 : 1	0.8 : 1
Distance	1.3 – 22.9 m	2.2 – 37.5 m	3.6 – 59.6 m	0.98 – 13.9 m	0.6 – 6.54 m
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	813 x 610	813 x 610	813 x 610	813 x 610	813 x 610
Lens shift vertical	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	10 : 0 to 0 : 10	1 : 1
Lens shift horizontal	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1

... for LCD projectors of the P-series (1.3")



LNS-S31

Type	Standard zoom
Focal length	48.2 – 62.6 mm
Aperture	1.7 – 2.0
Diameter	98.4 mm
Zoom	motorized (1.3 x)
Focus	motorized
Weight	1.3 kg



LNS-T31A

Type	Tele zoom
Focal length	64 – 112 mm
Aperture	2.0 – 2.9
Diameter	95.2 mm
Zoom	motorized (1.8 x)
Focus	motorized
Weight	1.9 kg



LNS-T32

Type	Extreme tele zoom
Focal length	112 – 155 mm
Aperture	2.1 – 2.7
Diameter	99 mm
Zoom	motorized (1.4 x)
Focus	motorized
Weight	1.7 kg



LNS-T33

Type	Extreme tele zoom
Focal length	148 – 234 mm
Aperture	2.2 – 2.7
Diameter	115 mm
Zoom	motorized (1.56 x)
Focus	motorized
Weight	2.0 kg



LNS-W31A

Type	Wide-angle zoom
Focal length	34 – 48 mm
Aperture	2.5 – 3.1
Diameter	99 mm
Zoom	motorized (1.4 x)
Focus	motorized
Weight	1.7 kg



LNS-W32E

Type	Extreme wide-angle
Focal length	22.3 mm
Aperture	2.5
Diameter	129 mm
Zoom	fixed
Focus	manual
Weight	1.6 kg

PLC-XP100L/XP200L (1.3")

Throw distance ratio	1.8 – 2.3 : 1	2.31 – 4.19 : 1	4.2 – 6.0 : 1	5.7 – 9.0 : 1	1.26 – 1.81 : 1	0.81 : 1
Distance (min./max.)	1.46 – 18.70 m	1.88 – 34.06 m	3.35 – 45.19 m	7.1 – 71.1 m	1.02 – 14.71 m	1.15 – 1.97 m
Image size min. in cm	57 x 43	57 x 43	57 x 43	122 x 91	57 x 43	142 x 107
Image size max. in cm	813 x 610	813 x 610	813 x 610	813 x 610	813 x 610	244 x 183
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	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	3 : 2 to 2 : 3	1 : 1

... for DLP projectors of the T-series (0.95")



LNS-S51

Type	Standard zoom
Focal length	38.5 – 60.0 mm
Aperture	2.0 – 2.7
Diameter	140 mm
Zoom	motorized (1.56 x)
Focus	motorized
Weight	1.9 kg



LNS-T50

Type	Tele zoom
Focal length	59.3 – 106.7 mm
Aperture	2.0 – 2.9
Diameter	140 mm
Zoom	motorized (1.8 x)
Focus	motorized
Weight	3.7 kg



LNS-T51

Type	Extreme tele
Focal length	101.3 – 168.8 mm
Aperture	2.3 – 3.2
Diameter	140 mm
Zoom	motorized (1.67 x)
Focus	motorized
Weight	3.8 kg



LNS-W52

Type	Extreme wide-angle
Focal length	17.1 mm
Aperture	2.0
Diameter	140 mm
Zoom	fixed
Focus	motorized
Weight	3.1 kg



LNS-W53

Type	Wide-angle zoom
Focal length	25.8 – 38.3 mm
Aperture	2.4 – 2.7
Diameter	140 mm
Zoom	motorized (1.48 x)
Focus	motorized
Weight	2.5 kg

PDG-DET100L (0.95")

Throw distance ratio	1.95 – 3.08 : 1
Distance (min./max.)	1.94 – 38.0 m
Image size min. in cm	102 x 76
Image size max. in cm	1,219 x 914
Lens shift vertical	9 : 1 to 1 : 9
Lens shift horizontal	3,17 : 1 to 1 : 3,17

Throw distance ratio	3.03 – 5.5 : 1
Distance (min./max.)	3.01 – 37.6 m
Image size min. in cm	102 x 76
Image size max. in cm	1,219 x 914
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	19 : 1 to 1 : 19

Throw distance ratio	5.21 – 8.63 : 1
Distance (min./max.)	5.37 – 105.0 m
Image size min. in cm	102 x 76
Image size max. in cm	1,219 x 914
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	19 : 1 to 1 : 19

Throw distance ratio	0.87 : 1
Distance (min./max.)	0.84 – 3.58 m
Image size min. in cm	102 x 76
Image size max. in cm	406 x 305
Lens shift vertical	1 : 1
Lens shift horizontal	1 : 1

Throw distance ratio	1.3 – 1.95 : 1
Distance (min./max.)	1.28 – 24.3 m
Image size min. in cm	102 x 76
Image size max. in cm	1,219 x 914
Lens shift vertical	9 : 1 to 1 : 9
Lens shift horizontal	3,17 : 1 to 1 : 3,17

Throw distance ratio	1.8 – 2.8 : 1
Distance (min./max.)	1.95 – 38.3 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	3 : 1 to 1 : 3

PDG-DHT8000L (0.95")

Throw distance ratio	1.8 – 2.8 : 1
Distance (min./max.)	1.95 – 38.3 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	3 : 1 to 1 : 3

Throw distance ratio	2.8 – 5.0 : 1
Distance (min./max.)	3.03 – 37.9 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	6.65 : -1 to -1 : 6.65
Lens shift horizontal	10.7 : 1 to 1 : 10.7

Throw distance ratio	4.8 – 8.0 : 1
Distance (min./max.)	5.4 – 105 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	6.65 : -1 to -1 : 6.65
Lens shift horizontal	10.7 : 1 to 1 : 10.7

Throw distance ratio	0.8 : 1
Distance (min./max.)	0.86 – 3.6 m
Image size min. in cm	110 x 62
Image size max. in cm	442 x 249
Lens shift vertical	1 : 1
Lens shift horizontal	1 : 1

Throw distance ratio	1.2 – 1.8 : 1
Distance (min./max.)	1.29 – 24.5 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	3 : 1 to 1 : 3

Throw distance ratio	1.8 – 2.8 : 1
Distance (min./max.)	1.95 – 38.3 m
Image size min. in cm	110 x 62
Image size max. in cm	1,328 x 713
Lens shift vertical	21 : -1 to -1 : 21
Lens shift horizontal	3 : 1 to 1 : 3

Brackets



POA-CM01

- Ceiling bracket
- Height: 15 cm
- 4 metal arms for optimum stability
- Swivel head for practical and uncomplicated projector alignment (+/-20° tilt)
- Can be rotated 360°
- Cable guide in the main boom
- Dimensions (W x H x D): 138 x 150 x 120 mm
- Suitable for all projectors up to a max. weight of 25 kg



POA-CM02

- Ceiling bracket
- Height: 40–70 cm
- 4 metal arms for optimum stability
- Swivel head for practical and uncomplicated projector alignment (+/-20° tilt)
- Can be rotated 360°
- Cable guide in the main boom
- Dimensions (W x H x D): 138 x 400 x 120 mm
- Suitable for all projectors up to a max. weight of 25 kg



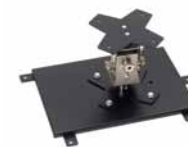
POA-CM03

- Ceiling bracket
- Height: 70–110 cm
- 4 metal arms for optimum stability
- Swivel head for practical and uncomplicated projector alignment (+/-20° tilt)
- Can be rotated 360°
- Cable guide in the main boom
- Dimensions (W x H x D): 138 x 700 x 120 mm
- Suitable for all projectors up to a max. weight of 25 kg



POA-CMP10

- Ceiling bracket
- Height: 17 cm
- 4 metal arms for optimum stability
- 2 regulating screws for easy adjustment
- Can be rotated 360°
- Dimensions (W x H x D): 220 x 220 x 200 mm
- Suitable for all projectors up to a max. weight of 45 kg
- Suitable for: PLC-ET30L, PLC-WTC500AL, PLC-XM100L, PLC-XM150L, PLC-XP100L, PLC-XP200L, PLC-WM4500L, PLC-WM5500L, PLC-ZM5000L



POA-CMP20

- Ceiling bracket
- Height: 21 cm
- Tailor-made solution for optimum attachment of the projector
- 2 regulating screws for easy adjustment
- Can be rotated 360°
- Dimensions (W x H x D): 460 x 330 x 225 mm
- Weight: 6 kg
- Suitable for all projectors up to a max. weight of 35 kg
- Suitable for: PDG-DET100L, PDG-DHT8000L



POA-CMP30

- Ceiling bracket
- Height: 20.5 cm
- Tailor-made solution for optimum attachment of the projector
- 2 regulating screws for easy adjustment
- Can be rotated 360°
- Dimensions (W x H x D): 610 x 490 x 220 mm
- Weight: 8 kg
- Suitable for all projectors up to a max. weight of 50 kg
- Suitable for: PLC-XF1000, PLC-HF10000L



POA-CMP40

- Ceiling bracket
- Height: 23.5 cm
- Tailor-made solution for optimum attachment of the projector
- 2 regulating screws for easy adjustment
- Can be rotated 360°
- Dimensions (W x H x D): 620 x 460 x 250 mm
- Weight: 8,5 kg
- Suitable for all projectors up to a max. weight of 55 kg
- Suitable for: PLC-XF47



POA-WMST01

- Wall bracket
- Can be adjusted in length to between 0.93 m and 1.56 m
- Swivel head for practical and uncomplicated projector alignment (+/-20° tilt)
- Cable guide in the main boom
- Suitable for all projectors up to a max. weight of 20 kg
- Color: white
- Suitable for: PDG-DXL100, PDG-DWL100, PLC-WL2500, PLC-WL2503

Brackets & other accessories



POA-CH-EX06

- Wall bracket
- Mounting system with a flexible fixation rail for image sizes from 55" to 110"
- Stepless adjustment of the horizontal position of up to 18 cm
- Simple and precise adjustment of the vertical position of up to +9°/-7°
- Simple and precise adjustment of the horizontal position of up to +/-5°
- Dimensions (W x H x D): 463.0 x 205.0 x 401.7 mm
- Weight: 9.6 kg
- Compatible with: PDG-DXL2000, PDG-DWL2500



POA-PN03C

- PJ-Net Organizer 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-ET30L, PLC-XP100L, PLC-XP200L, PLC-WTC500AL, PLC-XM100L, PLC-XM150L, PLC-WM5500L



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-XF1000



POA-SR-160

- Smoke-resistance filter cartridge
- Ideally-suited for applications in areas with significant amounts of dust and smoke contained in the air
- Contains dust-protection filter POA-FIL60
- Dimensions (W x H x D): 485 x 65 x 480 mm
- Weight: 1.5 kg
- Suitable for: PLC-HF15000L



POA-FIL-160

- Exchangeable dust-protection filter
- Prevents penetration of dust and smoke into the projector
- Dimensions (W x H x D): 300 x 45 x 268 mm
- Weight: 0.3 kg
- Suitable for: PLC-HF15000L

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.

3D function | The 3D function is created by means of the projector generating alternating images for the right and left eye at a frequency of 60 Hertz. When combined with so-called shutter-glasses, a spatial pattern is created, providing a three-dimensional plastic image to the human eye. This function allows a more eye-catching and visually appealing display of information and content in areas such as museums or for digital signage.

3LCD | The light emitted from the lamp is separated into the three basic colors of red, green and blue. Each of these colors is passed through its own LCD panel. The light and image information is then recombined using a dichroic prism to give realistic color and shape to the projected image. The light yield from 3LCD is always optimal, because the projector is constantly projecting all three primary colors 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 dots 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 m²).

Audio function | Many SANYO projectors have integrated speakers that can reproduce audio signals, f.e. sound. The powerful 7 to 10 Watt speakers are an innovation in this area and integrated into numerous multimedia projectors from our current lineup. 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 without interruption. This greatly reduces the maintenance frequency for a projector.

Automatic air filter cleaning system | The new automatic air filter cleaning system greatly reduces the maintenance frequency of the projector. The integrated air filter consists of three layers, each filtering out different sized dust particles. A cleaning brush installed in the filter cartridge also sweeps across the first filter layer,

transporting the infiltrated particles to a collection container. This ensures the high air permeability of the filter system and therefore also the optimum cooling of the inside of the device for up to approx. 12,000 hours of operation.

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 35,000 hours depending on the device.

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.

Color matching | Projectors use the color matching feature to balance potential color variations, which can occur when several projectors are used at once. This happens when one large image needs to be generated from several separate images. Together with the edge blending function, color

matching achieves harmonious image reproduction with all color and brightness values.

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

Signal type	Connector socket
VGA (RGBHV)	D-Sub15
composite (Video), component	RCA
Digital signals	DVI/HDMI
RGBHV, composite (Video), C, Y (C-Video), SDI	BNC
S-Video	Mini DIN 4
Service input (RS232 control)	Mini DIN 3 Mini DIN 8 D-Sub9

Constant Brightness Output Control function | This function ensures constant that the brightness of the projector remains constant. This is extremely beneficial, particularly when amalgamating several images from different projectors to form a large panoramic picture.

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.

Corner-keystone-correction | Corner-keystone-correction allows image adjustment not only on a horizontal and vertical level, but also diagonally. If the projector is positioned at an angle resulting in a distorted image, the four corners of the image can be individually corrected using this function until a perfect rectangle is displayed. This enables an authentic and undistorted projection, even at unfavorable projection settings.

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.

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 color picture, 1-chip DLP® projectors use a quickly rotating color wheel that projects the primary colors one after the other.

Easy Wireless Network Set-up | Projectors with Easy Wireless Network Set-up can establish a wireless connection with the data source via the enclosed USB stick and the software stored on it. The data is transferred in real-time from the PC to one or several projectors via this quickly generated wireless connection. Presentations can then begin without extensive cabling or complicated configuration. Interactive presentations in mobile use are also made much simpler using Easy Wireless Network Set-up.

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.

Edge blending function | The edge blending function balances out varying levels of color and

brightness around the edges of the image when separate images from several projectors are combined to form one large image, like a panorama. Together with the color matching function, edge blending generates a single, homogenous image.

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.

Full HD | To carry the Full HD seal of quality, the projectors must support a native resolution of at least 1,080 pixels on the vertical axis in 16 : 9 format. Digital video inputs such as DVI or HDMI are also prerequisites. A Full HD resolution must be able to process the following formats: 720p, 1,080i, 1,080p.

Hot swap lamp system | This function enables a light bulb to be changed during the presentation. As soon as one of the lamps in the four-lamp system is faulty, a warning light comes on and the bulb that needs to be replaced is cooled down. During this period and the replacement process, the projector continues to operate in 2- or 3-lamp mode.

Image resolution | The number of pixels, horizontally and vertically, is called the resolution. It is expressed as width x height. The principal image resolution formats are SVGA: 800 x 600 pixels, XGA: 1,024 x 768 pixels, SXGA+: 1,400 x 1,050 pixels, Full HD: 1,920 x 1,080 pixels and WXGA. 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. A destination is made between the 4 : 3 letterbox format and the 16 : 9/16 : 10 widescreen format.

Inorganic panel | Inorganic LCD panels ensure striking picture quality, because they allow an even more natural color 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.

Interactive function | With the aid of a camera module and an interactive pen, presentations can be made even more interesting by adding your own notes on the presentation screen. The camera installed on the projector receives the infrared signal from the pen as soon as it

is placed on the projection screen and used to write or draw. By means of pre-defined calibration points on the screen, the camera recognises the position of the interactive pen and transmits it to the PC via a USB cable.

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 the wrong 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.

Longlife air filter | SANYO projectors equipped with so-called longlife air filters provide maintenance-free operation of up to 5,500 hours, depending on the exact model type. These multi-layer filters are able to effectively strain dust particles of various sizes from the air intake, thus offering added protection for the technical components inside the projector. This also helps to further preserve the high picture quality over an extended amount of time without the hassle of frequent cleaning intervals.

Mechanical shutter | The mechanical shutter moves between the prism block and lens if the projection is interrupted 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 without interruption.

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/WLAN | 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 WLAN connection between computer and projector, there's no need to hook the projector up using cables before a presentation can start. Screen contents are 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 WLAN. In addition, several projectors at a trade fair stand can be administered remotely over the network and supplied with images from external sources. For detailed information about this, see our brochure on «Integrated network solutions with SANYO projectors».

Optical zoom | Lens function that allows the image size 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.

Picture-in-Picture and Picture-by-Picture function | These image features allow simultaneous presentation of multiple content. Images and information from two data sources are linked with each other – either as an image that can be freely positioned within an image or as a presentation of two equally sized images side by side. One of the resulting benefits is that presentations can be made even more informative and high-quality. This also presents some added-value in surveillance technology.

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 color space by up to 20%. This allows for even more realistic and vivid color tones, especially in the red and green ranges. The result is more vibrant colors 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:

- 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.

Ultra-short-throw projectors | The ultra-short-throw projectors from SANYO enable large and precise images from the shortest of projection distances. The PDG-DWL2500 for example is able to project an 80" picture (diagonal) at a mere distance of 2.4 cm from the projection

surface, thus offering more flexible and less-space-consuming installation possibilities. Due to the extremely short light path, the presenter is neither blinded by the beam nor does he/she create a shadow on the screen.

Video streaming function | Video streaming is a network function that allows the transmission of movie files without delay via a wireless network. This enables transfers of even larger files with up to 150 MBit per second (IEEE802.11n Standard) from the PC to the projector. The video streaming function provides uniform and undistorted playback of various video content and is ideally suited for education applications, POS areas as well as digital signage, where movie files require a high quality wireless transmission.

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.