

SANYO

Presentation Technologies

WHERE DIGITAL
EXCITEMENT
BEGINS



SANYO is the
Bestselling
LCD Projector
 Brand in the **World**



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Leading the Way in the Digital Age

SANYO enjoys a well-deserved leadership position in the LCD projector industry. Over the past several years our breakthroughs in LCD technology have helped lead a tremendous surge in the growth of this industry. Even so, SANYO is continuously striving to meet the challenges and demands of an ever-changing world.

SANYO is at the forefront of expanding the possibilities of LCD projectors through the use of advance digital technology. Most SANYO projectors today employ digital technology in a variety of features including digital interfacing (Digital Visual Interface, High-Definition Serial Digital Interface), digital keystone correction, digital progressive scanning, and digital realized interpolation technology. In the near future, select SANYO models will accept an Ethernet card for digital networking using the IP addressing scheme, and an optional Faroudja scaling board for enhancing color reproduction and clarity in video images.

A Projector to Fit Any Need

With five distinct model classes, SANYO offers the widest range of projector models in the industry, which means it's a virtual certainty that there will be a SANYO projector to fit the needs of ANY presenter in ANY situation. Each category of SANYO projectors contains models that rank at the top of their respective class in terms of brightness, features and versatility.

Our **micro-mobile** units, each weighing under six pounds with a footprint under one square foot boast outstanding brightness for their size.

Ultraportable models are remarkably bright and exceptionally light weighing in at between six and ten pounds. Most of these units feature a built-in PC-card slot for SmartMedia cards, or accept an optional plug-in Presentation Viewer for Compact Flash cards, thus enabling computerless presentations.

As the name implies, our **portable** units are light enough to be carried from presentation to presentation, as they only weigh between 11 and 16 pounds. SANYO portable projectors offer a tremendous combination of high brightness, portability, and versatility.

Our **fixed** installation models are extremely bright offering features such as lens shift to aid in twin-stacking for nearly double the brightness, and a wide array of interchangeable lenses, making them perfect for installations such as museums, libraries, corporate boardrooms or places of worship.

SANYO's **large fixed** installation models are unparalleled offering the highest brightness, contrast ratio and resolution for projectors in their class.

Features that make a **Difference**

The following features are found in all or selected SANYO LCD projectors. Check the individual product listings on the following pages for specific model information



Digital Interface

Sanyo, the world's first LCD projector manufacturer to offer a direct digital interface, is again leading the industry in this category by offering projectors with a Digital Visual Interface (DVI) and even a High-Definition Serial Digital Interface (HD-SDI). These direct digital connections facilitate true digital data transfer from the source to the projector, eliminating ghosting, noise and signal degradation, while allowing for longer cable runs between source and projector. An optional digital accelerator PC-Card makes digital interfacing possible even with notebook computers.

Multi-Versatile Platform

A wide array of connectivity options is made possible through use of Sanyo's revolutionary Multi-Versatile Platform. Detachable interface panels including inputs for HD-SDI, DVI, 5-BNC, D-Sub15, Video Y/C and S-Video can be used in varying combinations to meet the source input needs for most any situation.

Digital Keystone Correction

With the press of a button, SANYO's new digital keystone correction feature compensates for angled projector placement. By digitally and mathematically interpolating an image's pixels, then reconstructing the image, keystoneed (trapezoidal) images are corrected on-screen.

Without Keystone Correction



With Keystone Correction



3D Digital Progressive Scanning

Sanyo's new proprietary 3D digital progressive scanning system ensures high quality video images. A dedicated 16MB chip processes interlaced video signals and monitors each pixel using Sanyo's original movement algorithm, enhancing both the vertical and diagonal resolution of moving images. 3D digital Y/C separation enhances image quality and reduces interference by separating the luminance and chrominance signals. Image quality is further enhanced with 3D digital noise reduction, which treats brightness noise and color noise separately.

Efficient Lamp Management System

Sanyo's newly developed Lamp Management System individually monitors and controls each of the lamps on our Two-Lamp and Four-Lamp projectors. Each lamp's status – "ON" or "OFF" -- and cumulative hours of use can be displayed on-screen. If a lamp expires while either four or two lamps are in use, the Lamp Management System's fail-safe operation feature automatically switches to the matched pair of good lamps, or to a single lamp on two-lamp systems. Additionally, to maximize lamp life, two of the lamps may be switched off on four-lamp systems when full brightness is not required.



High Contrast Optical System

Sanyo's high-contrast optical system compensates for the polarized scattering as the light passes through the LCD panels and increases black contrast to achieve the highest on-screen contrast ratios possible. A 10-bit digital gamma correction circuit is employed to effectively suppress overwhelming whites in bright images and excessive blacks in dark images.

HDTV Compatible

Selected SANYO projectors are High Definition Television (HDTV) compatible, accepting the 1080i, 1035i, 720p, 575p, 575i, 480p and 480i HDTV resolution standards.

Features that make a Difference

Digital Realized Video Scaling

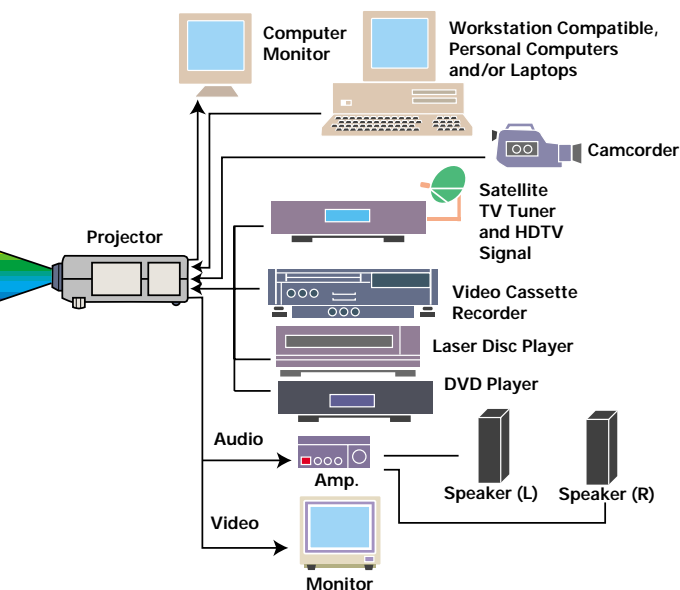
When scaling a video image to fit the full screen size of the projector, SANYO's advanced digital signal processing circuit and automatic color correction circuit ensure the highest color accuracy possible and dramatically enhance image-edge detail. SANYO's hybrid enhanced processing technology circuit provides analog enhancement for richer colors and digital enhancement for increased image definition.

Digital Realized Interpolation Technology (DRIT)

This revolutionary and proprietary technology digitally reconstructs an image by either compressing or expanding it to make it compatible with the resolution of the projector. For example, if an XGA image is sent to an SVGA projector, the result is a true and natural-looking SVGA image.

True Multimedia Flexibility

Selected models connect to an array of computers and AV sources, including laptop PCs, Macintosh and PowerBook systems, VCRs, camcorders, DVD and laser disc players, satellite and HDTV tuners. Having assorted multimedia capabilities allows presenters to combine materials that have been prepared in different media into one presentation, adding excitement and versatility.



Ceiling Mountable and Rear-Screen Projection

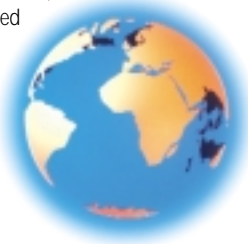
The Ceiling and Rear display modes found on most SANYO LCD projectors allow the projector to be suspended from the ceiling or set-up behind the screen in a rear projection application. By selecting either the Ceiling or Rear display mode from the menu, the output will be switched either top-to-bottom or left-to-right, resulting in proper image orientation for your application.



International Usage

Sanyo LCD projectors offer a variety of features that make them ideal for international usage.

- 1) A special auto-sense/auto-select feature automatically adjusts for the correct voltage (100-120 and 200-240 AC, 50/60Hz) as soon as the projector is turned on.
- 2) On-screen menus can be displayed in a variety of languages.
- 3) Most Sanyo LCD projectors work with all the major video color systems used globally.



Presentation Viewer

Select Sanyo units offer the ability to make presentations without the need for a PC to be connected to the projector. Through use of a built-in PC-Card slot on some models, or Sanyo's new detachable presentation viewer, images stored on a SmartMedia or Compact Flash memory card can be shown directly from the projector. Media Card Imager (MCI) software, also included, enables the user to quickly and easily convert any PowerPoint presentation into a series of JPEG files and save them to the memory card.



Features that make a Difference

Track-Pad Remote Controls

As an enhancement to their multimedia flexibility, selected models come with a track pad infrared remote control and laser pointer. The remote lets the user conveniently control various projector functions while the presenter moves about the room. The track pad operates as a mouse for performing computer functions.



Power Lens Shift

Selected SANYO LCD projectors may be twin stacked, effectively doubling the screen brightness (ANSI Lumens). A special power lens shift function easily aligns the images with virtually no geometric distortion.

Digital Zoom

Many SANYO projectors include a handy Digital Zoom feature that magnifies specific sections of an image, making them larger, clearer, and easier to see. Unique SANYO technology eliminates jagged edges on small letters and lines, so that even highly magnified images appear crisp and clean.

SHW	KOO1	KOO2	SOO1	SOO2
A	1,015	2,087	1,015	2,200
B	950	3,798	1,564	1,002
C	2,500	1,560	1,354	1,587
D	5,501	7,853	5,221	3,241
E	1,504	1,245	2,213	411
F	3,859	4,256	1,254	1,258
TOTAL	19,188	20,799	12,621	9,699

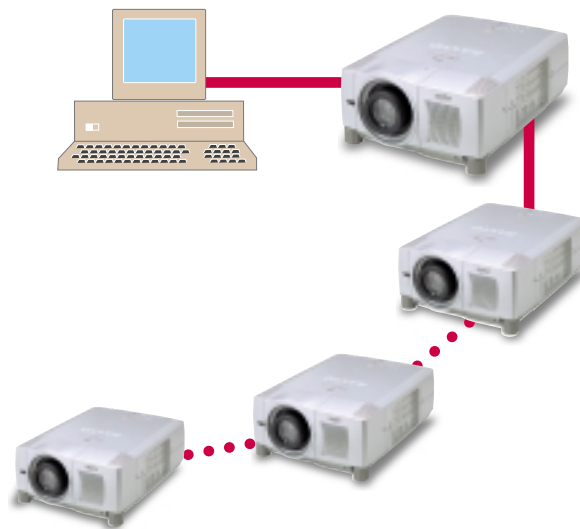


Optional Lenses

A wide range of optional lenses is available for many Sanyo LCD projector models in our Large Fixed, Fixed and Portable model classes. Sanyo's line of optional lenses offer outstanding clarity along with increased placement flexibility.

RS-232C Input and Output

Selected Sanyo projectors offer RS-232C input and output capability making it possible to link several projectors together for simultaneous RS-232 control from a single control source.



Whisper Quiet Fan System

Sanyo's new fan control system constantly monitors the internal temperature of the projector and adjusts the fan speed accordingly. Noisy bursts of fan activity are eliminated, allowing users to enjoy their viewing experience with minimal background noise.

Quick Repair Program

In the unlikely event that a SANYO projector needs warranty service, SANYO's QRP typically provides a fast 24-to-72-hour turnaround time for repairs. SANYO even pays for freight.

LCD Projectors

PLC-UF10

True UXGA Large Fixed
Digital Multimedia Projector



- 7700 ANSI Lumens (typical) Nearly 15,400 ANSI Lumens when twin-stacked
- True UXGA (1600 x 1200) Resolution
- 800:1 Contrast Ratio
- Detachable Interface Panel (Multi-Versatile platform)
- Four Lamp System
- Digital Visual Interface (DVI)
- Efficient Lamp Management System
- New High Definition Progressive Scan
- Digital Keystone Correction
- Power Lens Shift (Up/Down/Left/Right)
- Power Zoom/Power Focus
- Superior HDTV Image Performance
- RS-232C In/Out
- A Variety of Lens Options Available
Lenses sold separately

PLC-EF30/L

True SXGA Fixed
Digital Multimedia Projector



- 5800 ANSI Lumens (Typical) Nearly 11,600 ANSI Lumens when twin-stacked
 - True SXGA (1280 x 1024) Resolution Compressed UXGA (1600 x 1200) Resolution
 - 600:1 Contrast Ratio
 - Detachable Interface Panel (Multi-Versatile platform)
 - Two Lamp System
 - Efficient Lamp Management System
 - Digital Visual Interface (DVI)
 - New High Definition Progressive Scan
 - Power Lens Shift (Up/Down)
 - Power Zoom/Power Focus
 - RS-232C In/Out
 - A variety of Optional Lenses Available
- Also Available:** PLC-EF30L
Same features as PLC-EF30 except purchaser can select from a choice of optional lenses.
Optional Lenses shipped separately (PLC-EF30L model only)

PLC-XF20

True XGA, Compressed SXGA Large Fixed
Digital Multimedia Projector



- 5000 ANSI Lumens (Typical)
- True XGA (1024 x 768) resolution Compressed UXGA Resolution
- 700:1 Contrast Ratio
- Detachable Interface Panel (Multi-Versatile platform)
- Four Lamp System
- Efficient Lamp Management System
- Digital Visual Interface (DVI)
- Digital Keystone Correction
- Digital Signal Processing for Enhanced Image Detail
- Digital Progressive Scanning for Improved Video Performance
- Power Lens Shift (Up/Down/Left/Right)
- Power Zoom/Power Focus
- RS-232C In/Out
- A Variety of Lens Options Available
Lenses sold separately

PLC-XF30/L

True XGA Fixed
Digital Multimedia Projector



- 5200 ANSI Lumens (Typical) Nearly 10,400 ANSI Lumens when twin-stacked
 - True XGA (1024 x 768) Resolution Compressed UXGA Resolution
 - 700:1 Contrast Ratio
 - Detachable Interface Panel (Multi-Versatile platform)
 - Two Lamp System
 - Efficient Lamp Management System
 - Digital Visual Interface (DVI)
 - New High Definition Progressive Scan
 - Power Lens Shift (Up/Down)
 - Power Zoom/Power Focus
 - RS-232C In/Out
 - A Variety of Optional Lenses Available
- Also Available:** PLC-XF30L
Same features as PLC-XF30 except purchaser can select from a choice of optional lenses.
Optional Lenses shipped separately (PLC-XF30L model only)

LCD Projectors

PLC-EF12N/NL

True SXGA Fixed Digital Multimedia Projector



- 3700 ANSI Lumens (Typical)
 - Twin Stacking Provides Combined Nearly 7400 ANSI Lumens
 - True SXGA (1280 x 1024) Compressed UXGA Resolution
 - 500:1 Contrast Ratio
 - Digital PC Interface with PanelLink™ Technology for a True Digital Connection
 - PCI Digital Graphics Accelerator Board Included
 - Digital Signal Processing for Enhanced Image Detail
 - Digital Progressive Scanning for Improved Video Performance
 - HDTV Compatible
 - Power Lens Shift with Minimal Geometric Distortion for Up/Down Image Alignment
 - Composite, Component Video Inputs (Y/Video, C/R-Y, B-Y) and Y/C
 - Optional Digital Graphics Accelerator PC-Card
 - A variety of Optional Lenses Available
- Also Available:** PLC EF12NL
- Same features as PLC-EF12N except purchaser can select from a choice of optional lenses.
- Optional Lenses shipped separately (PLC-EF12NL model only)

PLC-XF12N/NL

True XGA Compressed SXGA, Fixed Digital Multimedia Projector



- 3500 ANSI Lumens (Typical)
 - Twin Stacking Provides Combined Nearly 7000 ANSI Lumens
 - True XGA (1024 x 768) Compressed SXGA Resolution
 - 500:1 Contrast Ratio
 - Digital PC Interface with PanelLink™ Technology for a True Digital Connection
 - Digital Signal Processing for Enhanced Image Detail
 - Digital Progressive Scanning for Improved Video Performance
 - Power Lens Shift with Minimal Geometric Distortion for Up/Down Image Alignment
 - Power Zoom (1:1.3)/Power Focus
 - HDTV Compatible
 - Composite, Component Video Inputs (Y/Video, C/R-Y, B-Y) and Y/C
 - Optional Digital Graphics Accelerator PCI Board and PC-Card
 - A variety of Optional Lenses Available
- Also Available:** PLC-XF12NL
- Same features as PLC-XF12N except purchaser can select from a choice of optional lenses.
- Optional Lenses shipped separately (PLC-XF12NL model only)

PLC-EF10NZ/NZL

True SXGA Fixed Digital Multimedia Projector



- 3300 ANSI Lumens (Typical)
 - Twin Stacking Provides Combined Nearly 6600 ANSI Lumens
 - True SXGA (1280 x 1024) Compressed UXGA Resolution
 - 350:1 Contrast Ratio
 - Digital PC Interface with PanelLink™ Technology for a True Digital Connection
 - PCI Digital Graphics Accelerator Board Included
 - Digital Signal Processing for Enhanced Image Detail
 - Digital Progressive Scanning for Improved Video Performance
 - Power Zoom (1:1.3)/Power Focus
 - HDTV Compatible
 - Power Lens Shift with Minimal Geometric Distortion for Up/Down Image Alignment
 - Power Zoom (1:1.3)/Power Focus
 - Composite, Component Video Inputs (Y/Video, C/R-Y, B-Y) and Y/C
 - Optional Digital Graphics Accelerator PC-Card
 - A variety of Optional Lenses Available
- Also Available:** PLC EF10NZL
- Same features as PLC-EF10NZ except purchaser can select from a choice of optional lenses.
- Optional Lenses shipped separately (PLC-EF10NZL model only)

LCD Projectors

PLC-XP45/L

True XGA Portable Digital Multimedia Projector



- 3500 ANSI Lumens (Typical) Nearly 7000 ANSI Lumens when twin-stacked
- True XGA (1024 x 768) Resolution Compressed UXGA Resolution
- 800:1 Contrast Ratio
- Digital Visual Interface (DVI)
- Whisper Quiet Fan (37 dBA)
- 3-D Digital Progressive Scan
- 3-D Digital Noise Reduction
- Power Lens Shift (Up/Down)
- Power Zoom/Power Focus
- A variety of Optional Lenses Available

Also Available: PLC-XP45L

Same features as PLC-XP45 except purchaser can select from a choice of optional lenses.

Optional Lenses shipped separately (PLC-XP45L model only)

PLC-XP30

True XGA Portable Digital Multimedia Projector



- 3000 ANSI Lumens (Typical)
- Twin Stacking Provides Combined Nearly 6000 ANSI Lumens
- True XGA (1024 x 768) Compressed SXGA Resolution
- 700:1 Contrast Ratio
- Digital Visual Interface (DVI)
- Digital Keystone Correction
- Digital Signal Processing for Enhanced Image Detail
- Digital Progressive Scanning for Improved Video Performance
- Power Lens Shift (Up/Down)
- Power Zoom (1:1.3)/Power Focus
- HDTV Compatible
- Composite, Component Video Inputs (Y/Video, C/R-Y, B-Y) and Y/C
- A variety of Optional Lenses Available

PLC-XP40

True XGA Portable Digital Multimedia Projector



- 2600 ANSI Lumens (Typical) Nearly 7000 ANSI Lumens when twin-stacked
- True XGA (1024 x 768) Resolution Compressed UXGA Resolution
- 500:1 Contrast Ratio
- Digital Visual Interface (DVI)
- Whisper Quiet Fan (37 dBA)
- 3-D Digital Progressive Scan
- 3-D Digital Noise Reduction
- Power Lens Shift (Up/Down)
- Power Zoom/Power Focus
- A variety of Optional Lenses Available

PLC-XP21N

True XGA Portable Multimedia Projector



- 2500 ANSI Lumens (Typical)
- True XGA (1024 x 768) Compressed SXGA Resolution
- 700:1 Contrast Ratio
- Digital Keystone Correction
- HDTV Compatible
- Progressive Scan System for a High-Quality Video Image
- Whisper Quiet Fan (39dBA)
- Component Video Input (Y/Video, C/R-Y, B-Y, Y/C)
- A variety of Optional Lenses Available

LCD Projectors

PLC-XP18N

True XGA Portable Multimedia Projector



- 2000 ANSI Lumens (Typical)
- True XGA (1024 x 768) Compressed SXGA Resolution
- Over 90% Uniformity
- 700:1 Contrast Ratio
- Digital Keystone Correction
- Ceiling Mountable/Rear Screen Projection
- Power Zoom (1:1.3)/Power Focus
- Digital Progressive Scanning
- HDTV Compatible
- Whisper Quiet Fan (39dBA)
- Wireless I/R Remote Control with Mouse Pad and Laser Pointer
- A variety of Optional Lenses Available

PLC-XU35

True XGA Ultraportable Multimedia Projector



- 2000 ANSI Lumens (Typical)
- True XGA (1024 x 768) Resolution Compressed SXGA Resolution
- 350:1 Contrast Ratio
- Power Zoom/Focus
- Light yet Durable Magnesium Alloy Cabinet
- Weighs Only 8.6 pounds!
- Whisper Quiet Fan Control System (37 dBA)
- Optional Presentation Viewer for computerless presentations

PLC-SP20N

True SVGA Portable Multimedia Projector



- 1500 ANSI Lumens (Typical)
- True SVGA (800 x 600) Compressed SXGA Resolution
- Power Zoom (1:1.3)/Focus
- 49x Digital Zoom
- Ceiling Mountable/Rear Screen Projection
- A variety of Optional Lenses Available

PLC-XU30

True XGA Ultraportable Multimedia Projector



- 1400 ANSI Lumens (Typical)
- True XGA (1024 x 768) Resolution Compressed SXGA Resolution
- 350:1 Contrast Ratio
- Power Zoom/Focus
- Light yet Durable Magnesium Alloy Cabinet
- Weighs Only 8.6 pounds!
- Whisper Quiet Fan Control System (37 dBA)
- Optional Presentation Viewer for computerless presentations

LCD Projectors

PLC-XU22N

True XGA Ultraportable Multimedia Projector with Built-In PC-Card Slot



- 1200 ANSI Lumens (Typical)
- True XGA (1024 x 768) Compressed SXGA Resolution
- Over 90% Uniformity
- Weighs Less Than 9 Pounds
- Digital Keystone Correction
- HDTV Compatible
- Built-In PC Card Slot and PC-Card Adapter for Computerless Presentations (8MB SmartMedia Card with PC-Card Adapter and Media Card Imager Software Included)
- Power Zoom (1:1.3)/Power Focus
- "Image Pause" Function Removes Image from Screen without Loss of Place in Presentation
- I/R Remote Control with Mouse Pad and Laser Pointer

PLC-SU22N

True SVGA Ultraportable Multimedia Projector with Built-in PC-Card Slot



- 1200 ANSI Lumens (Typical)
- True SVGA (800 x 600) Compressed XGA Resolution
- Over 90% Uniformity
- Weighs Less Than 9 Pounds
- Built-In PC Card Slot and PC-Card Adapter for Computerless Presentations (8MB SmartMedia Card with PC-Card Adapter and Media Card Imager Software Included)
- Digital Keystone Correction
- Power Zoom (1:1.3)/Power Focus
- I/R Remote Control with Mouse Pad and Laser Pointer
- Lightweight But Durable Magnesium Alloy Cabinet

PLC-SU30

True SVGA Ultraportable Multimedia Projector



- 1700 ANSI Lumens (Typical)
- True SVGA (800 x 600) Resolution Compressed XGA Resolution
- 350:1 Contrast Ratio
- Power Zoom/Focus
- Light yet Durable Magnesium Alloy Cabinet
- Weighs Only 8.6 pounds!
- Whisper Quiet Fan Control System (37 dBA)
- Optional Presentation Viewer for computerless presentations

PLC-SU20N

True SVGA Ultraportable Multimedia Projector



- 1200 ANSI Lumens (Typical)
- True SVGA (800 x 600) Compressed XGA Resolution
- Over 90% Uniformity
- Weighs Less Than 9 Pounds
- Digital Keystone Correction
- Power Zoom (1:1.3)/Power Focus
- I/R Remote Control with Mouse Pad and Laser Pointer
- Lightweight But Durable Magnesium Alloy Cabinet

LCD Projectors

PLC-XW20

True XGA Micro-Mobile Multimedia Projector

Under
6
Pounds!



NEW

- 1100 ANSI Lumens (Typical)
- True XGA (1024 x 768) Resolution
Compressed SXGA (1280 x 1024)
Resolution
- 300:1 Contrast Ratio
- Power Zoom/Focus
- Component (Y/Pb/Pr and Y/Cb/Cr)
video inputs
- Weighs only 5.7 pounds!
- Card Type Remote is Included
- Optional RC w/mouse pad and laser
pointer

PLC-SW15

True XGA Micro-Mobile Multimedia Projector

Under
6
Pounds!



NEW

- 850 ANSI Lumens (Typical)
- True SVGA (800 x 600)
Compressed XGA Resolution
- 80% Uniformity
- Only 5.6 Pounds with a Footprint Under
One Square Foot
- Digital Keystone Correction
- Component Video Input
(Y, Pb, Pr)
- 16x Digital Zoom
- 1:1.2 Zoom
- I/R Remote Control with Mouse Pad
- Whisper Quiet Fan System

PLC-XW15

True XGA Micro-Mobile Multimedia Projector

Under
6
Pounds!



- 800 ANSI Lumens
- True XGA (1024 x 768) Resolution
Compressed SXGA Resolution
- 300:1 Contrast Ratio
- Power Zoom/Focus
- Over 90% Uniformity
- Digital Keystone Correction
- HDTV Compatible
- Component Video Inputs for DVD
(Y/Cb/Cr) and HDTV (Y/Pb/Pr)
- Whisper Quiet Fan System
- Only 5.6 pounds!

LCD Projectors

PLV-60HT

Wide XGA "Home Theater"
Multimedia Projector



- 1200 ANSI Lumens (Typical)
- Wide XGA (1366 x 768) Resolution
- True 16:9 Aspect Ratio
- 700:1 Contrast Ratio
- New High Definition Progressive Scan
- 3D Digital Noise Reduction
- Power Lens Shift (Up/Down)
- Power Zoom/Power Focus
- Whisper Quiet Fan Control System
- A Variety of Optional Lenses Available
- FCC Class B Rating for Home Theater

Rear Projection Monitor

PLC-XR70N

True XGA Multimedia
Rear-Projection Monitor



- True XGA (1024 x 768) Compressed SXGA
- 70" (Dia.) Large-Screen, Rear Projection Monitor
- 240 nit
- Over 85% Uniformity
- Auto Image Feature
- Intuitive Graphic User Interface (GUI) On-screen Menus
- Dynamic 10 Watt Stereo Speakers
- Composite and Component Video Inputs and Three PCInput Terminals
- International Capability: Multivoltage, Multilanguage, Four Color System
- Two Compartments with Six Built-In Adjustable Shelves

Plasma Display Panels

PDP-42H1A

42" High Definition Multimedia Plasma Display 1024 x 1024 Resolution



- Slim, Lightweight Design
- Wide Viewing Angle - 160° (Vertical/Horizontal)
- HDTV Ready
- Dynamic Automatic Image Control
- Motion Adaptive Progressive Conversion
- 3D Y/C Separation for NTSC video
- Multiple Inputs – RGB D-SUB15 for PC, Component video inputs for DVD, S-Video / Video for VCR
- Free from Magnetic Interference
- No distortion – sharp and focused image from corner to corner
- RS-232 Control

PDP-32H1A

32" High Definition Multimedia Plasma Display 852 x 1024 Resolution



- Slim, Lightweight Design
- Wide Viewing Angle - 160° (Vertical/Horizontal)
- HDTV Ready
- Dynamic Automatic Image Control
- Motion Adaptive Progressive Conversion
- 3D Y/C Separation for NTSC video
- Multiple Inputs – RGB D-SUB15 for PC, Component video inputs for DVD, S-Video / Video for VCR
- Free from Magnetic Interference
- No distortion – sharp and focused image from corner to corner
- RS-232 Control

LCD Monitors

MLC-1801A

18" TFT LCD Monitor with SXGA Resolution and High Brightness



- 18.1" Viewable Area TFT Active Matrix LCD (Approximately Equivalent to a 21" CRT Monitor in Viewable Area)
- 1280 x 1024 (SXGA) Resolution
- High Brightness of 235 NIT
- Small Footprint: 17.9" x 3.4"
- Wide Viewing Angle, Up to 160° Side-to-Side and Top-to-Bottom
- Tilt and Swivel Stand: 20° Up, 5° Down, 45° Right/Left
- Easy-on-Screen Setup
- Auto-Image Sizing with SANYO's Exclusive Edge-Smoothing Technology
- Plug-and-Play Compatibility with Windows™ 95/98
- Adjustment-Free with Digital Automatic Pixel Synchronization (DAPS) Technology
- USB-Hub: Two Up Stream and Three Down Stream Ports
- Wireless Three Button Mouse
- D-SUB and BNC Signal-Input Terminals
- Six OSD Languages
- Energy Star Low-Power Consumption

C-15LP1A

15" TFT LCD Monitor with XGA Resolution and High Brightness



- 15" Diagonal Viewable Area TFT Active Matrix LCD
- 1024 x 768 (XGA) Resolution
- High Brightness of 250 NIT
- 300:1 Contrast Ratio
- Small Footprint: 14.2" x 6.4"
- Digital Video Interface (DVI)
- Wide Viewing Angle, Up to 160° Side-to-Side and Top-to-Bottom
- Slim Card Type Remote
- Stereo Speakers Built-In
- Stereo Headphone Jack
- Tilt and Swivel Stand
- Easy-on-Screen Setup
- Stable, Flicker-Free Image
- USB-Hub: One Up Stream and Two Down Stream Ports
- DVI, S-Video, Composite Video, and Component (Y, Cb, Cr) Video Inputs
- Six OSD Languages
- Energy Star Low-Power Consumption

iD PHOTO: Sanyo revolutionizes digital camera storage!

The thrilling next generation of digital imaging storage has arrived: iD PHOTO. There is nothing else like it available. Sanyo, Olympus and Hitachi-Maxell have jointly developed this amazing new storage format.

Small, yet huge

iD PHOTO is the world's smallest magneto optical (MO) disk. It is only 2" in diameter, yet it holds an astounding 730MB of data! That's enough storage to hold about 11,000 still images (VGA resolution) or 2 hours of digital video (160 x 120 pixels @15fps) when used in SANYO's incredible new iDshot camera (IDC-1000ZU).



Lightning fast

iD PHOTO is capable of writing data at a blistering 20Mps! That's fast enough to write high resolution digital video in real time.

Stable, Rewrite-able

iD PHOTO's MO technology is very stable, with the capability of storing data for up to 100 years! It can also be rewritten to over 1 million times!

Affordable

iD PHOTO disks are easy on any budget. At only around \$35.00 (U.S.) they represent an extremely cost effective way to archive data.

IEEE1394

The terrific speed of SANYO's iD PHOTO makes it a perfect compliment to IEEE1394 interface technology. With a transfer rate of up to 400mbps, IEEE1394 can send video to a computer in real time, and large transfers of data can be made in seconds. The iDshot camera (model number IDC-1000ZU) is the first digital camera in the world to incorporate IEEE1394.

30 Frame Per Second Video

Some SANYO digital cameras can record digital video at 30 frames per second. This is the same frame rate used for television broadcast (NTSC). The result is smooth, seamless motion when watching videos. The IDC-1000ZU is the first camera in the world to capture VGA resolution (640 x 480) video at 30fps.

Animation Made Easy

With SANYO's iDshot camera (IDC-1000ZU), creating incredible stop motion animations is a snap! Just press the shutter button, and move the model, press the shutter again, move the model. The camera creates the animation automatically! An interval function enables amazing time lapse animations. With shutter intervals from 10 seconds to up to 10 hours, the interval function can make an animation of a flower blooming before your very eyes!

IDC-1000ZU "IDSHOT"

Full-Motion VGA Video Disc Camera with 1.5 Megapixel Stills



- Uses revolutionary new iD PHOTO disks for storage
- 1.5 million pixel CCD
- 3x optical zoom lens with neutral density filter
- records Quick time movies and animations
- Captures 30 frame/second video at 640 x 480 pixels
- 1360 x 1024 (1.5 megapixel) stills
- IEEE1394 interface
- Camera functions as a high capacity external drive when connected via IEEE1394.
- USB connection
- Stop motion animation function
- Interval record function (time lapse), with 10 second to 10 hour shutter interval
- Easy edit function makes it easy to organize and edit pictures and video right on the camera
- Sequential shot function
- Accepts standard add-on lenses and filters (optional)
- Pop up, multi mode flash
- Aperture and shutter priority exposure modes
- AE lock function-locks exposure settings
- AE slide function: 7 exposure bracketing with one shutter click
- Auto white balance with manual override for natural colors
- Variable shutter speed from 1/500 second to 16 seconds
- Jog wheel for easy adjustments of settings and easy editing
- Built in microphone with external mic jack
- 1.8" TFT color LCD monitor
- Built in speaker
- External microphone input
- Lithium Ion rechargeable battery
- Charger AC adapter included
- 3.66" (W) x 3.48" (H) x 5.49" (D)
- 1.16 pounds (body only)

Optional Lenses

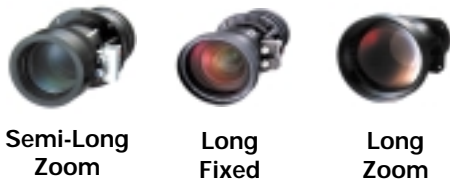
Lens Options for Large Fixed and Fixed Projectors



	Short Fixed	Short Zoom	On-Axis Short Fixed
Model	LNS-W01	LNS-W02	LNS-W03
Zoom	No	Yes (power)	No
U/D Ratio	8:1 - 1:8	8:1 - 1:8	1:1
Throw Ratio	1.2:1	1.35 - 1.8:1	0.8:1
F Stop	2.5	2.53 - 2.95	2.6
Length	9.4"	8.34"	9.25"
Weight	12.3 lbs.	5.5 lbs.	6.6 lbs.



	Standard Zoom 1	Standard Zoom 2	Standard Zoom 3
Model	LNS-S01	LNS-S02	LNS-S03
Zoom	Yes (power)	Yes (power)	Yes (power)
U/D Ratio	10:0 - 0:10	10:0 - 0:10	10:0 - 0:10
Throw Ratio	1.8 - 2.9:1	2.0 - 2.6:1	2.6 - 3.5:1
F Stop	2.6 - 3.5	2.0 - 2.3	1.7 - 2.2
Length	7.0"	8.2"	13.8"
Weight	3.7 lbs.	4.2 lbs.	8.2 lbs.



	Semi-Long Zoom	Long Fixed	Long Zoom
Model	LNS-M01	LNS-T01	LNS-T02
Zoom	Yes (power)	No	Yes (power)
U/D Ratio	8:1 - 1:8	8:1 - 1:8	8:1 - 1:8
Throw Ratio	3.5 - 4.6:1	7.0:1	4.6 - 6.0:1
F Stop	2.0 - 2.6	2.0	2.0 - 2.6
Length	6.9"	8.6"	9.6"
Weight	4.2 lbs.	8.8 lbs.	6.8 lbs.

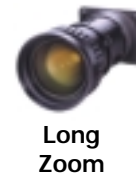
Lens Options for Portable Projectors



	Short Zoom	Long Zoom
Model	LNS-W31	LNS-T31
Zoom	Yes (power)	Yes (power)
U/D Ratio	10:0 - 1:3	10:0 - 1:3
Throw Ratio	1.3 - 1.8:1	2.4 - 4.3:1
F Stop	2.5 - 3.0	2.0 - 2.9
Length	7.6"	8.5"
Weight	3.7 lbs.	4.2 lbs.

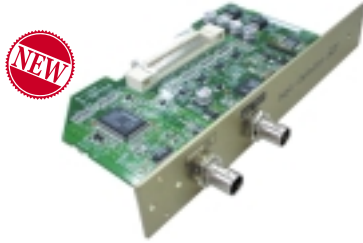


	On-Axis Short Fixed	Short Zoom
Model	LNS-W32	LNS-W30
Zoom	No	Yes (manual)
U/D Ratio	1:1	20:1
Throw Ratio	0.8:1	1.3 - 1.8:1
F Stop	2.6	2.5 - 3.0
Length	9.25"	7.6"
Weight	6.8 lbs.	3.7 lbs.



	Long Zoom
Model	LNS-T30
Zoom	Yes (manual)
U/D Ratio	20:1
Throw Ratio	2.4 - 4.3:1
F Stop	2.0 - 2.9
Length	8.5"
Weight	3.7 lbs.

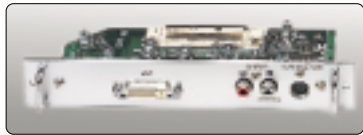
HD-SDI



POA-MD08 HD

Image Terminal HD-SDI In and Out
 Image Signal SMPTE 292M Format

DVI



POA-MD01 DVI

Image Terminal DVI
 Image Signal T.M.D.S.
 Sound Terminal RCA x 2
 Control Terminal Min DIN 9-pin

5-BNC



POA-MD02 VD1

Image Terminal 5-BNC
 Image Signal RGB & Component
 Sound Terminal RCA x 2
 Control Terminal Min DIN 9-pin

**S-VIDEO/
COMPOSITE**



POA-MD03 VD2

Image Terminal 2-BNC & S-Video
 Image Signal Composite & Y,C
 Sound Terminal RCA x 2
 Control Terminal N/A

D-SUB 15



POA-MD04 VGA

Image Terminal D-Sub 15 VGA
 Image Signal RGBHV, Sync on G
 Sound Terminal RCA x 2
 Control Terminal Min DIN 9-pin

Projector Specifications

	PLC-UF10	PLC-XF20	PLC-EF30/L	PLC-XF30/L	PLC-EF12N/NL
Resolution	UXGA (1600 x 1200)	XGA (1024 x 768)	SXGA (1280 x 1024)	XGA (1024 x 768)	SXGA (1280 x 1024)
Brightness (typical)	7700 ANSI Lumens	5000 ANSI Lumens	5800 ANSI Lumens	5200 ANSI Lumens	3700 ANSI Lumens
Uniformity	85%	85%	85%	85%	85%
Panel System	1.8" TFT Poly x 3	1.8" TFT Poly x 3	1.8" TFT Poly x 3	1.8" TFT Poly x 3	1.8" TFT Poly x 3
Number of Pixels	5,760,000 (1,920,000 x 3)	2,359,296 (786,432 x 3)	3,932,160 (1,310,720 x 3)	2,359,296 (786,432 x 3)	3,932,160 (1,310,270 x 3)
Contrast Ratio	800:1	700:1	600:1	700:1	500:1
Projection Lens	Lens Sold Separately	Lens Sold Separately	F1.7-2.2	F1.7-2.2	F2.0-2.3 / f3.0"-3.8"
Image Size	Dependent on Lens	Dependent on Lens	40" – 600"	40" – 600"	40" – 600"
Aspect Ratio	4:3	4:3	5:4	4:3	5:4
Throw Distance	Dependent on Lens	Dependent on Lens	6.7' – 137'	6.9' – 140'	5.2' – 102'
Zoom/Focus	Dependent on Lens	Dependent on Lens	Powered	Powered	Powered
Throw Ratio	Dependent on Lens	Dependent on Lens	2.6 – 3.5:1	2.6 – 3.5:1	2.0 – 2.6:1
Zoom Ratio	Dependent on Lens	Dependent on Lens	1:1.3	1:1.3	1:1.3
Digital Zoom	49x – 1/4x	49x – 1/4x	49x – 1/4x	49x – 1/4x	16x
Projection Lamp	200W UHP x 4	150W UHP x 4	200W UHP x 2	200W UHP x 2	440W DC Metal Halide
Scanning Frequency	H 15-120kHz V 50-120Hz	H 15-120kHz V 50-120Hz	H 15-120kHz V 50-120Hz	H 15-120kHz V 50-120Hz	H 15-120kHz V 50-120Hz
Dot Clock	230 MHz	220 MHz	230 MHz	230 MHz	220 MHz
Up/Down Ratio	10:0 – 0:10 (Lt/Rt 7:3 – 3:7)	10:0 – 0:10 (Lt/Rt 7:3 – 3:7)	10:0 – 0:10	10:0 – 0:10	10:0 – 0:10
Power Lens Shift	Yes (Up/Down/Left/Right)	Yes (Up/Down/Left/Right)	Yes	Yes	Yes
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	Yes	Yes	Yes	Yes	Yes
Ceiling Mountable (T/B reverse)	Yes	Yes	Yes	Yes	Yes
Invert Mountable	Yes	Yes	Yes	Yes	No
Direct Digital PC Interface	Yes (DVI)	Yes (DVI)	Yes (DVI)	Yes (DVI)	Yes (DFP)
Digital Progressive Scanning	Yes	Yes	Yes	Yes	Yes
Digital Signal Processing	Yes	Yes	Yes	Yes	Yes
Digital Keystone Correction	+/- 30°	+/- 30°	+/- 30°	+/- 30°	No
Digital Realized Video Scaling	Yes	Yes	Yes	Yes	Yes
DRIT	Yes	Yes	Yes	Yes	Yes
Electronic Workstation Compatible	Yes	Yes	Yes	Yes	Yes
PC-less Presentation	No	No	No	No	No
Auto Image	Yes	Yes	Yes	Yes	Yes
HDTV Compatible	Yes	Yes	Yes	Yes	Yes
Detachable Input Panels	Yes	Yes	Yes	Yes	No
Universal Serial Bus Input	Yes	Yes	Yes	Yes	Yes
Component Video Inputs	Yes	Yes	Yes	Yes	Yes
RS-232 Control	Yes (In/Out)	Yes (In/Out)	Yes (In / Out)	Yes (In / Out)	Yes
Carry and/or Shipping Case(s)	Optional	Optional	Optional	Optional	Optional
Remote Control	Wired / IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser	Wired and IR w/Mouse Pad and Laser
Optional Lenses	Yes	Yes	Yes	Yes	Yes
dB Rating	45.0	45.0	45.0	45.0	48.0
Voltage	100-240V	100-240V	100-240V	100-240V	100-240V
Weight	78.2 lbs.	81.5 lbs.	45.2 lbs.	45.2 lbs.	39.2 lbs.
Dimensions	22.9x9.9x31.2	22.9x9.9x31.2	17.3x8.9x23.8	17.3x8.9x23.8	15.4x9.2x22.9
Warranty/Lamp	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days

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Projector Specifications

	PLC-EF10NZ/NZL	PLC-XF12N/NL	PLC-XP45/L	PLC-XP40	PLC-XP30
Resolution	SXGA (1280 x 1024)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Brightness (typical)	3300 ANSI Lumens	3500 ANSI Lumens	3500 ANSI Lumens	2600 ANSI Lumens	3000 ANSI Lumens
Uniformity	Over 90%	90%	90%	90%	90%
Panel System	1.8" TFT Poly x 3	1.8" TFT Poly x 3	1.3" TFT Poly x 3	1.3" TFT Poly x 3	1.3" TFT Poly x 3
Number of Pixels	3,932,160 (1,310,270 x 3)	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)
Contrast Ratio	350:1	500:1	800:1	500:1	700:1
Projection Lens	F2.0-2.3 / f3.0"-3.8"	F2.0-2.3 / f3.0"-3.8"	F1.7-2.0 / f1.9"-2.5"	F1.8-2.1 / f1.9"-2.5"	F1.8-2.1 / f1.9"-2.5"
Image Size	40" – 600"	40" – 600"	31"-400"	31"-400"	31"-400"
Aspect Ratio	5:4	4:3	4:3	4:3	4:3
Throw Distance	5.2' – 102'	5.3' – 104'	4.6'-48'	4.6'-48'	4.6'-48'
Zoom/Focus	Powered	Powered	Powered	Powered	Powered
Throw Ratio	2.0 – 2.6:1	2.0 – 2.6:1	1.8-2.4:1	1.8-2.4:1	1.8-2.4:1
Zoom Ratio	1:1.3	1:1.3	1:1.3	1:1.3	1:1.3
Digital Zoom	16x	16x	49x – 1/4x	49x – 1/4x	49x
Projection Lamp	440W DC Metal Halide	440W DC Metal Halide	200W UHP	200W UHP	250W NSH
Scanning Frequency	H 15-120kHz V 50-120Hz	H 15-120kHz V 50-120Hz	H 15-100kHz V 50-100Hz	H 15-100kHz V 50-100Hz	H 15-100kHz V 50-100Hz
Dot Clock	220 MHz	220 MHz	180 MHz	180 MHz	180 MHz
Up/Down Ratio	10:0 – 0:10	10:0 – 0:10	10:0-1:1	10:0-1:1	10:0-1:3
Power Lens Shift	Yes	Yes	Yes	Yes	Yes
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	Yes	Yes	Yes	Yes	Yes
Ceiling Mountable (T/B reverse)	Yes	Yes	Yes	Yes	Yes
Invert Mountable	No	No	Yes	Yes	Yes
Direct Digital PC Interface	Yes (DFP)	Yes (DFP)	Yes (DVI)	Yes (DVI)	Yes (DVI)
Digital Progressive Scanning	Yes	Yes	Yes	Yes	Yes
Digital Signal Processing	Yes	Yes	Yes	Yes	Yes
Digital Keystone Correction	No	No	+/- 30°	+/- 30°	+/- 30°
Digital Realized Video Scaling	Yes	Yes	Yes	Yes	Yes
DRIT	Yes	Yes	Yes	Yes	Yes
Electronic Workstation Compatible	Yes	Yes	Yes	Yes	Yes
PC-less Presentation	No	No	No	No	No
Auto Image	Yes	Yes	Yes	Yes	Yes
HDTV Compatible	Yes	Yes	Yes	Yes	Yes
Detachable Input Panels	No	No	Yes	Yes	No
Universal Serial Bus Input	Yes	Yes	Yes	Yes	No
Component Video Inputs	Yes	Yes	Yes	Yes	Yes
RS-232 Control	Yes	Yes	Yes	Yes	Yes
Carry and/or Shipping Case(s)	Optional	Optional	Optional	Optional	Optional
Remote Control	Wired and IR w/Mouse Pad and Laser	Wired and IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser	Wired / IR w/Mouse Pad and Laser
Optional Lenses	Yes	Yes	Yes	Yes	Yes
dB Rating	51.5	48.0	37.0	37.0	39.0
Voltage	100-240V	100-240V	100-240V	100-240V	100-240V
Weight	39.2 lbs.	39.2 lbs.	18.5 lbs.	17.4 lbs.	20.2 lbs.
Dimensions	15.4x9.2x22.9	15.4x9.2x22.9	12.6x6.6x16.9	12.6x6.6x16.9	12.44x6.5x18.8
Warranty/Lamp	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days

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Projector Specifications

	PLC-XP21N	PLC-XP18N		PLC-SP20	PLC-XU35	PLC-XU30
Resolution	XGA (1024 x 768)	XGA (1024 x 768)		SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)
Brightness (typical)	2500 ANSI Lumens	2000 ANSI Lumens		1500 ANSI Lumens	2000 ANSI Lumens	1400 ANSI Lumens
Uniformity	90%	90%		85%	85%	85%
Panel System	1.3" TFT Poly x 3	1.3" TFT Poly x 3		1.3" TFT Poly x 3	0.9" TFT Poly x 3	0.9" TFT Poly x 3
Number of Pixels	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)		1,440,000 (480,000 x 3)	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)
Contrast Ratio	700:1	700:1		350:1	350:1	350:1
Projection Lens	F1.8-2.1 / f1.9"-2.5"	F1.8-2.1 / f1.9"-2.5"		F1.8-2.1 / f1.9"-2.5"	F1.7-2.0 / f1.5"-1.9"	F1.7-2.0 / f1.5"-1.9"
Image Size	31"-400"	31"-400"		31"-400"	31"-300"	31"-300"
Aspect Ratio	4:3	4:3		4:3	4:3	4:3
Throw Distance	4.6'-48'	4.6'-48'		4.6'-48'	5.2'-39.4'	5.2'-39.4'
Zoom/Focus	Powered	Powered		Powered	Powered	Powered
Throw Ratio	1.8-2.4:1	1.8-2.4:1		1.8-2.4:1	2.0-2.65:1	2.0-2.65:1
Zoom Ratio	1:1.3	1:1.3		1:1.3	1:1.3	1:1.3
Digital Zoom	49x	49x		49x	49x – 1/4x	49x – 1/4x
Projection Lamp	200W UHP	200W UHP		150W UHP	200W UHP	200W UHP
Scanning Frequency	H 15-100KHz V 50-100Hz	H 15-100KHz V 50-100Hz		H 15-80KHz V 50-100Hz	H 15-100KHz V 50-100Hz	H 15-100KHz V 50-100Hz
Dot Clock	180 MHz	180 MHz		135 MHz	140 MHz	140MHz
Up/Down Ratio	19:1	19:1		19:1	9:1	9:1
Power Lens Shift	No	No		No	No	No
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43		PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	Yes	Yes		Yes	Yes	Yes
Ceiling Mountable (T/B reverse)	Yes	Yes		Yes	Yes	Yes
Invert Mountable	Yes	Yes		Yes	Yes	Yes
Direct Digital PC Interface	No	No		No	Yes (DVI)	Yes (DVI)
Digital Progressive Scanning	Yes	Yes		Yes	Yes	Yes
Digital Signal Processing	Yes	Yes		Yes	Yes	Yes
Digital Keystone Correction	+/- 30°	+/- 30°		No	+/- 20°	+/- 20°
Digital Realized Video Scaling	Yes	Yes		Yes	Yes	Yes
DRIT	Yes	Yes		Yes	Yes	Yes
Electronic Workstation Compatible	Yes	Yes		Yes	No	No
PC-less Presentation	No	No		No	Optional	Optional
Auto Image	Yes	Yes		Yes	Yes	Yes
HDTV Compatible	Yes	Yes		No	Yes	Yes
Detachable Input Panels	No	No		No	No	No
Universal Serial Bus Input	No	No		No	Yes	Yes
Component Video Inputs	Yes	Yes		Yes	Yes	Yes
RS-232 Control	Yes	Yes		Yes	Yes	Yes
Carry and/or Shipping Case(s)	Optional	Optional		Optional	Soft Case	Soft Case
Remote Control	IR w/Mouse Pad and Laser	IR w/Mouse Pad and Laser		IR w/Mouse Pad and Laser	IR w/mouse pad and laser	IR w/mouse pad and laser
Optional Lenses	Yes	Yes		Yes	No	No
dB Rating	39.0	39.0		42.5	37.0	37.0
Voltage	100-240V	100-240V		100-240V	100-240V	100-240V
Weight	15.2 lbs.	15.2 lbs.		14.5 lbs.	8.6 lbs.	8.6 lbs.
Dimensions	10.7x5.7x16.2	10.7x5.7x16.2		10.7x5.7x16.2	13.1x3.5x9.0	13.1x3.5x9.0
Warranty/Lamp	3 Years / 90 Days	3 Years / 90 Days		3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days

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Projector Specifications

	PLC-XU22N	PLC-SU30		PLC-SU22N	PLC-SU20N
Resolution	XGA (1024 x 768)	SVGA (800 x 600)		SVGA (800 x 600)	SVGA (800 x 600)
Brightness (typical)	1200 ANSI Lumens	1700 ANSI Lumens		1200 ANSI Lumens	1200 ANSI Lumens
Uniformity	90%	85%		90%	90%
Panel System	0.9" TFT Poly x 3	0.9" TFT Poly x 3		0.9" TFT Poly x 3	0.9" TFT Poly x 3
Number of Pixels	2,359,296 (786,432 x 3)	1,440,000 (480,000 x 3)		1,440,000 (480,000 x 3)	1,440,000 (480,000 x 3)
Contrast Ratio	250:1	350:1		250:1	250:1
Projection Lens	F1.7-2.0 / f1.3"-1.7"	F1.7-2.0 / f1.5"-1.9"		F1.7-2.0 / f1.3"-1.7"	F1.7-2.0 / f1.3"-1.7"
Image Size	30"-300"	31"-300"		30"-300"	30"-300"
Aspect Ratio	4:3	4:3		4:3	4:3
Throw Distance	4.6'-36'	5.2'-39.4'		4.6'-36'	4.6'-36'
Zoom/Focus	Powered	Powered		Powered	Powered
Throw Ratio	1.8-2.4:1	2.0-2.65:1		1.8-2.4:1	1.8-2.4:1
Zoom Ratio	1:1.3	1:1.3		1:1.3	1:1.3
Digital Zoom	16x	49x - 1/4x		16x	16x
Projection Lamp	150W UHP	200W UHP		150W UHP	150W UHP
Scanning Frequency	H 15-100kHz V 50-100Hz	H 15-80kHz V 50-100Hz		H 15-80kHz V 50-100Hz	H 15-80kHz V 50-100Hz
Dot Clock	140MHz	100MHz		100MHz	100MHz
Up/Down Ratio	19:1	9:1		19:1	19:1
Power Lens Shift	No	No		No	No
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43		PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	Yes	Yes		Yes	Yes
Ceiling Mountable (T/B reverse)	Yes	Yes		Yes	Yes
Invert Mountable	Yes	Yes		Yes	Yes
Direct Digital PC Interface	No	Yes (DVI)		No	No
Digital Progressive Scanning	Yes	Yes		Yes	Yes
Digital Signal Processing	Yes	Yes		Yes	Yes
Digital Keystone Correction	+/- 12°	+/- 20°		+/- 15°	+/- 15°
Digital Realized Video Scaling	Yes	Yes		Yes	Yes
DRIT	Yes	Yes		Yes	Yes
Electronic Workstation Compatible	Yes	No		No	No
PC-less Presentation	Yes	Optional		Yes	No
Auto Image	Yes	Yes		Yes	Yes
HDTV Compatible	Yes	Yes		No	No
Detachable Input Panels	No	No		No	No
Universal Serial Bus Input	No	Yes		No	No
Component Video Inputs	No	Yes		No	No
RS-232 Control	Yes	Yes		Yes	Yes
Carry and/or Shipping Case(s)	Optional	Soft Case		No	No
Remote Control	IR w/mouse pad and laser	I/R w/mouse pad and laser		I/R w/mouse pad and laser	I/R w/mouse pad and laser
Optional Lenses	No	No		No	No
dB Rating	43.0	37.0		43.0	43.0
Voltage	100-240V	100-240V		100-240V	100-240V
Weight	8.8 lbs.	8.6 lbs.		8.8 lbs.	8.8 lbs.
Dimensions	9.4x4.0x12.7	13.1x3.5x9.0		9.4x4.0x12.7	9.4x4.0x12.7
Warranty/Lamp	3 Years / 90 Days	3 Years / 90 Days		3 Years / 90 Days	3 Years / 90 Days

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Projector Specifications

	PLC-XW20	PLC-XW15	PLC-SW15	PLV-60HT
Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	Wide XGA (1366 x 768)
Brightness (typical)	1100 ANSI Lumens	800 ANSI Lumens	850 ANSI Lumens	1200 ANSI Lumens
Uniformity	85%	90%	90%	90%
Panel System	0.7" TFT Poly x 3	0.7" TFT Poly x 3	0.7" TFT Poly x 3	1.35" TFT Poly x 3
Number of Pixels	2,359,296 (786,432 x 3)	2,359,296 (786,432 x 3)	1,440,000 (480,000 x 3)	3,147,264 (1,049,088 x 3)
Contrast Ratio	300:1	300:1	300:1	700:1
Projection Lens	F1.6-1.78 / f1.13"-1.36"	F1.7-1.9 / f1.13"-1.36"	F1.7-1.9 / f1.13"-1.36"	F1.8-2.1 / f1.9"-2.5"
Image Size	30"-200"	30"-200"	30"-200"	31"-400"
Aspect Ratio	4:3	4:3	4:3	16:9
Throw Distance	4.7' – 26.7'	4.7' – 26.7'	4.7' – 26.7'	4.6' – 48.0'
Zoom/Focus	Manual	Manual	Manual	Powered
Throw Ratio	2.0 – 2.4:1	2.0 – 2.4:1	2.0 – 2.4:1	1.8 – 2.4:1
Zoom Ratio	1:1.2	1.2:1	1.2:1	1:1.3
Digital Zoom	16x – 1/4x	16x	16x	49x
Projection Lamp	150W UHP	132W UHP	132W UHP	250W NSH
Scanning Frequency	H 15-100kHz V 50-100Hz	H 15-100kHz V 50-100Hz	H 15-100kHz V 50-100Hz	H 15-100kHz V 50-100Hz
Dot Clock	140MHz	140MHz	140MHz	180MHz
Up/Down Ratio	19:1	19:1	19:1	10:0 – 1:3
Power Lens Shift	No	No	No	Yes
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	Yes	Yes	Yes	Yes
Ceiling Mountable (T/B reverse)	Yes	Yes	Yes	Yes
Invert Mountable	Yes	Yes	Yes	Yes
Direct Digital PC Interface	No	No	No	No
Digital Progressive Scanning	Yes	Yes	Yes	Yes
Digital Signal Processing	Yes	Yes	Yes	Yes
Digital Keystone Correction	+/- 20°	+/- 15°	+/- 15°	+/- 30°
Digital Realized Video Scaling	Yes	Yes	Yes	Yes
DRIT	Yes	Yes	Yes	Yes
Electronic Workstation Compatible	No	No	No	Yes
PC-less Presentation	No	No	No	No
Auto Image	Yes	Yes	Yes	Yes
HDTV Compatible	Yes	Yes	Yes	Yes
Detachable Input Panels	No	No	No	No
Universal Serial Bus Input	Yes	No	No	No
Component Video Inputs	Yes	Yes	Yes	Yes
RS-232 Control	Yes	Yes	Yes	Yes
Carry and/or Shipping Case(s)	Soft Case	Soft Case	Soft Case	No
Remote Control	I/R (card type)	IR w/Mouse Pad	IR w/Mouse Pad	Wired / IR w/Mouse Pad
Optional Lenses	No	No	No	Yes
dB Rating	37.0	39.0	39.0	39.0
Voltage	100-240V	100-240V	100-240V	100-240V
Weight	5.7 lbs.	5.6 lbs.	5.6 lbs.	20.3 lbs.
Dimensions	10.1x2.97x9.0	7.5x3.5x11.4	7.5x3.5x11.4	12.44x6.5x18.8
Warranty/Lamp	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days	3 Years / 90 Days

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Rear Projection Monitor

PDP Specifications

	PLC-XR70N
Resolution	XGA (1024 x 768)
Brightness (typical)	240 nit
Uniformity	85%
Panel System	1.3" TFT Poly x 3
Number of Pixels	2,359,296 (786,432 x 3)
Contrast Ratio	250:1
Projection Lens	F2.1-2.7 / f2.8"-3.2"
Image Size	70"
Aspect Ratio	4:3
Throw Distance	NA
Zoom/Focus	NA
Throw Ratio	NA
Zoom Ratio	NA
Digital Zoom	NA
Projection Lamp	120W UHP
Scanning Frequency	H 15-80kHz V 50-100Hz
Dot Clock	140MHz
Up/Down Ratio	NA
Power Lens Shift	NA
Color System	PAL/PAL-M/PAL-N/ SECAM/NTSC/NTSC4.43
Rear Screen Projection (L/R reverse)	NA
Ceiling Mountable (T/B reverse)	Yes
Invert Mountable	Yes
Direct Digital PC Interface	No
Digital Progressive Scanning	Yes
Digital Signal Processing	Yes
Digital Keystone Correction	NA
Digital Realized Video Scaling	Yes
DRIT	Yes
Electronic Workstation Compatible	No
PC-less Presentation	NA
Auto Image	NA
HDTV Compatible	No
Detachable Input Panels	No
Universal Serial Bus Input	No
Component Video Inputs	Yes
RS-232 Control	Yes
Carry and/or Shipping Case(s)	NA
Remote Control	Wired and IR
Optional Lenses	NA
Voltage	100-240V
Weight	319 lbs.
Dimensions	60.8x80x29.5
Warranty/Lamp	3 Years / 90 Days

	PDP-42H1A	PDP-32H1A
Type	Plasma Display Panel	Plasma Display Panel
Screen Size	42" (diagonal)	32" (diagonal)
Display Area	36.3" (W) x 20.5" (H)	28.2" (W) x 15.7" (H)
Aspect Ratio	16:9	16:9
Resolution	1024 x 1024 pixels	1024 x 852 pixels
Color	16 Million	16 Million
Brightness	700 (cd/m2 for panel) / 320 (cd/m2 for set)	650 (cd/m2 for panel) / 300 (cd/m2 for set)
Contrast Ratio	500:1 (typical)	400:1 (typical)
Viewing Angle	160° (Vertical / Horizontal)	160° (Vertical / Horizontal)
Computer Compatibility	Up to SXGA	Up to XGA
Plug & Play	VESA DDC2B	VESA DDC2B
Power Management	VESA DPMS Energy Star	VESA DPMS Energy Star
Audio Amp	8w + 8w	8w + 8w
Speaker (optional)	8 ohm x 2 pcs.	8 ohm x 2 pcs.
Input Terminals		
AV1	Video (RCA) / S-Video	Video (RCA) / S-Video
AV2	Video (BNC) / S-Video	Video (BNC) / S-Video
AV3	RGB (BNC) / Y,Pb/Cb, Pr/Cr (RCA)	RGB (BNC) / Y,Pb/Cb, Pr/Cr (RCA)
PC	RGB (D-Sub15)	RGB (D-Sub15)
RS-232	Serial (D-Sub 9)	Serial (D-Sub 9)
Wired RC	Stereo Mini-Jack	Stereo Mini-Jack
Output Terminals		
Monitor	Video (RCA) / Audio (RCA)	Video (RCA) / Audio (RCA)
Head Phone	Stereo Mini-Jack	Stereo Mini-Jack
External Speaker	Push Type	Push Type
Power Supply	AC 120V 60Hz	AC 120V 60Hz
Dimension (WxHxD)	48.2" x 25.2" x 3.9"	32.6" x 20.4" x 4.7"
Weight	77.2 lbs.	55.1 lbs.
Power Consumption	Approx. 330W (max)	Approx. 270W (max)
Accessories	Remove Control, AC power cord, BNC – RCA Converter jack x 4, RS232C Control Software, Wired RC Cable	Remove Control, AC power cord, BNC – RCA Converter jack x 4, RS232C Control Software, Wired RC Cable
FCC	FCC Class "B" Rating	FCC Class "B" Rating

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LCD Monitor Specifications

Digital Camera Specifications

	MLC-1801A	C-15P1A
Type	Analog	Analog
LCD		
Panel Type	SXGA Super TFT LCD	XGA Super TFT LCD
Pixel Format (Dot)	1280 x 1024 (SXGA)	1024 x 768 (SXGA)
Viewable Screen Size	18.1" Diagonal	15" Diagonal
Effective Viewing Area (Inches)	14.1" H x 11.3 V	12.0" H x 9.0 V
Brightness	235 cd/m2 Typical	250 cd/m2 Typical
Contrast	300:1 Typical	300:1 Typical
Viewing Angle (Min.)	160° (Up/Down L/R)	160° (Up/Down L/R)
Colors	16.77 Million	16 Million
Input Signal Compatibility	Up to SXGA, Dot Clock 135Mhz Maximum	NTSC, PAL, SECAM, Digital RGB (DVI)
Synchronous Signal Compatibility	Separate Sync, Composite Sync, Sync on Green	Separate Sync, Composite Sync, Sync on Green
Display enlargement	Full pan<->Ratiometric pan	Full pan<->Ratiometric pan DVI, S-Video, Composite
Inputs (analog RGB)	1 D-SUB, 5 BNC	Video, Component Video
Tilt and swivel	20 Deg up, 5 deg down, 90 deg horizontal (45 deg L/R)	25 Deg up, 5 deg down, 90 deg horizontal (45 deg L/R)
USB hub	2 Upstream ports, 3 downstream ports	1 Upstream ports, 2 downstream ports
Wireless controls	Mouse (included)	Full Function Remote
User Settings	Brightness, contrast, screen size, screen position, dot clock, phase	Brightness, contrast, screen size, screen position, dot clock, phase
On-Screen Display	YES (English, German, French, Spanish, Italian, Japanese)	YES (English, German, French, Spanish, Italian, Japanese)
Operating Environment	Temperature 41 deg F to 95 deg F, non-condensing	Temperature 41 deg F to 95 deg F, non-condensing
Outer dimensions (main unit)	17.9" (W) X 13.9" (H) X 3.4" (D)	16.6" (W) X 11.5" (H) X 2.9" (D)
Outer dimensions (with stand)	17.9" (w) X 17." (H) X 9.1" (D)	16.6" (W) X 14.2" (H) X 6.2" (D)
Weight	17.4 lbs.	14.1 lbs.
Power Consumption	Normal: 72W; Maximum 85W (with USB hub in use)	30W
Power supply	Dedicated AC adapter 120V	12V DC
Power Supply (main unit)	20V DC	FCC class B, UL, CE
Standards	FCC class B, UL, TCO99, CE, TUV GS, International Energy Star Program	Energy Star Program
Other	Plug & Playfunctions: VESA DDC1, DDC2B, DPMS power management	Plug & Playfunctions: VESA DDC1, DDC2B, DPMS power management
Accessories	AC adapter, power cord, infrared mouse, alkaline batteries (2 X AAA), USB cable, 6-pin mini DIN cable, 9-pin mini DIN cable, 15-pin D-SUB cable, Instruction manual, warranty card	AC adapter, power cord, DVI-D cable, DVI/DFP adapter, Tabletop Stand, Remote Control, Instruction manual,
Warranty	1 year parts and labor	1 year parts and labor

	IDC-1000ZU "iDshot"
Compression Format	Still image: JPEG format, TIFF (YcbCr) format (DCF comp.) Moving images: MOV (Quicktime motion JPEG) format Sound: WAV format (PCM sound file (monaural) Exif ver. 2.1
Image Resolution	Still: 1360 x 1024, 1024 x 768, 640 x 480 Motion: 640 x 480, 320 x 240, 160 x 120
Shooting Capacity	
Still w/o Sound	1360 (TIFF): Approximately 260 pictures 1360 (Fine/Normal): approximately 1,000/2,000 pictures 1024 (TIFF): Approximately 450 pictures 1024 (Fine/Normal): Approximately 2,000/4,000 pictures 640 (TIFF): Approximately 1,200 pictures 640 (Fine/Normal): approximately 6,000/11,000 pictures
Sequential Picture Frame Rate	1360 (Fine/normal): 7.5 pictures/second 1024 (Fine/Normal): 7.5 pictures/second 640 (Fine/Normal): 30 pictures/second
Video Clip	Resolution FPS Time 640x480 30 Approx. 8 minutes 640x480 15 Approx. 16 minutes 320x240 30 Approx. 20 minutes 320x240 15 Approx. 40 minutes 160x120 30 Approx. 60 minutes 160x120 15 Approx. 120 minutes
CCD Sensor	1/2", 1.5 million pixel VPmixCCD progressive scan
Aperture	Aperture: f=7mm-21mm, F=2.4-4.7
Lens Focus	23" - ∞ Macro: 1.18" -23.6" (Tele) 7.87" -23.6 (Wide)
Optical Zoom	3X (f=7mm-21mm, equivalent to 38-114mm on a 35mm camera)
Self Timer	Selectable (From 10 sec. to 10 hrs. 1 sec. Interval
Video Out	NTSC
Audio Out	Mono
PC Interface	IEEE1394, Universal serial bus (USB)
Flash	Pop up, automatic luminance control, Three modes: Auto, forced, off.
LCD Monitor	1.8" Low temp TFT Active matrix
Storage	iD PHOTO magneto optical disk, 730mb
Power	One lithium ion battery or A/C adapter
Dimensions (WxHxD")	3.66" (W) x 3.48" (H) x 5.49" (D)
Weight	1.16 Pounds (body only)

For the dealer nearest you—visit our website at
www.sanyolcd.com/dealerlocator/index.html



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