

PIONEER
The future of sound and vision.

VIDEO COMPONENTS



Video components from the leader in "sound and vision"—Pioneer

*Meet the Pioneer line of quality video components.
Each component meets the exacting standards we apply to all our products,
both audio and video.*

*Advancements in video technology have ensured that,
in every product,
the picture is rendered crisp and sharp from corner to corner.*

*From vibrant to subdued,
every shade of color is reproduced with the accuracy for which Pioneer is known.*

Ease of use is also first-class.

*Every model in our line comes with a full-function remote control
that lets you operate the unit it comes with,
all from the comfort of your chair.*

*And computerization has been used extensively to improve operating ease
and keep your favorite settings of controls in memory.*

Pioneer, where you'll find the future of sound and vision — today.



SD-T29

"Trident System" High-Fidelity Monitor/Receiver

3-standard 29-inch (diagonal) monitor/receiver

The SD-T29 is a world traveler. Wherever you take it, it lets you watch TV programs broadcast in virtually any color system. It automatically chooses the correct standard from among 16 — PAL-B/G, I, D/K; NTSC 3.58, 4.43; and SECAM-B/G, I, D/K. In fact, the SD-T29 handles the standards of most of the world's five continents.

Aspherical flat and square screen with tinted face

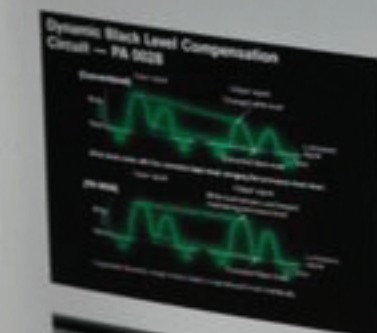
The faceplate of the 29-inch (diagonal) screen is aspherical, to cut down on annoying reflections that can disrupt your view. The screen is flat and square, letting you enjoy a complete corner-to-corner picture that's free of geometric distortion. The screen face is tinted to cut glare, thus improving contrast and brightness.

Comb filter and wide-band video circuitry for exceptional 600-line horizontal resolution

When you watch an NTSC broadcast, our comb filter and wide-band video circuitry work together to enhance horizontal resolution to an amazing 600 lines. The comb filter also removes crosscolor and crossluminance interference to end smear and to improve color. And you will especially benefit from increased resolution and better color when you watch LaserDiscs.

Dynamic black level compensation circuit

A conventional black level shift circuit is designed to improve contrast by shifting both black and white levels. This results in loss of fine gradation in black tones. However, our new dynamic black level compensation circuit boosts the black level without shifting the white level. Moreover, deep blacks are boosted by a small amount, and peer blacks by a large amount, resulting in a wider dynamic range of shades. So you enjoy high contrast and more depth in the picture.



New linear deflection circuit

Our new linear deflection improves focus and reduce geometric distortion, thus letting you enjoy clear and sharp edges, and a more accurate picture.

White balance control for natural color rendition

Unusual for a consumer TV receiver, the SD-T29 lets you adjust "color temperature" to get optimum white balance. There are controls for two video primary colors (green and red) that may be adjusted independently. Using these, you can, for instance, restore white balance — by removing redish or bluish tint — when you play a video taken with a poorly adjusted camera.

PLL synchronous detector

The PLL synchronous detector in the tuner section improves resolution and picture fidelity of a TV program you watch. It also makes text crisper and sharper, reduces audio noise and provides clearer stereo and SAP sound.

Two picture memories

You can adjust color, contrast, brightness, tint (NTSC only) and sharpness to your liking, and commit the combined settings to the built-in memory. Two different combinations of settings can be memorized and recalled at the touch of a button on the remote. You can, for instance, use different combos for different program sources.

Built-in 10W + 10W power amp and detachable stereo speakers

A powerful stereo amp is built in that features 10W + 10W of power at 1kHz. Moreover, the SD-T29 comes with a pair of detachable speaker systems housed in their own enclosures. So you can enjoy low-distortion stereo sound from digital video discs, Hi-Fi videotapes and MTS broadcasts to the fullest. Using the speaker terminals, you can also connect your own quality speakers for better sound.



Detachable Speaker

CATALOG

"Exchange Catalog" Item

AAFES

AAFES Stock Assortment Item

AAFES-EUROPE

AAFES-EUROPE Stock Assortment Item

AAFES-PACIFIC

AAFES-PACIFIC Stock Assortment Item

**SD-T29**

AAFES-EUROPE

CPC NO. 9308034



STEREO

PAL/SECAM

S-video input terminal for S-VHS and ED-Beta VCRs

There's an S-video input terminal on the back of the SD-T29 that accepts the matching output from an S-VHS and ED-Beta VCR*. Inside the TV, chroma and luminance signals are treated separately, thus ending the interference between color and brightness signals. The result: colors are rendered more accurately and contrast is improved.

Connections for a VDP and VCR

To the SD-T29 you can connect a VDP (Video Disc Player) for playback and a VCR for both recording and playback. Moreover, an external amp may be also connected so you can play back sound on your Hi-Fi system.

Cable-ready tuner with MTS decoder

The quartz-synthesizer tuner of the SD-T29 is ready to receive VHF, UHF and cable channels — 96 channels (NTSC) or 90 channels (PAL/SECAM) in all. It covers VHF channels 2 through 13, UHF channels 14 through 69, and cable channels A-6 through I, and J through W in NTSC countries. In PAL and SECAM areas, it covers VHF channels 2 through 12, UHF channels 21 through 69, and cable channels 1 through 12, S1 through S10, and S11 through S20. The tuner also comes with an MTS (Multichannel TV Sound). So when the TV is used in the U.S.A., you can enjoy both stereo and SAP (Secondary Audio Program) broadcasts.

Full-function "SR" remote control

You can operate all TV functions — even picture adjustments — from the comfort of your chair. The remote also lets you operate your Pioneer LaserDisc player.

On-screen display

Whenever you change channels or other settings, symbols appear on screen to confirm or prompt your action, improving ease of use.

Built-in sleep timer

You can set the monitor to switch off automatically in 30, 60, or 90 minutes.

*The VCR must be designed to operate with one or more of the 16 standard color systems. The SD-T29 is capable of handling



NTSC

TV picture simulated

SD-P4002

High-Fidelity Projection Monitor/Receiver

AAFES-PACIFIC CRC No. 9308826

- Huge and accurate 40-inch (diagonal) black-stripe, double-sided lenticular screen.
- Exceptional 620-line horizontal resolution.
- New lens design and dynamic-focus CRTs for excellent 400-ftL brightness.
- Liquid-cooled CRTs: Produce more output for high contrast and brightness.
- Dynamic black level compensation circuit for wider dynamic range and better contrast.
- Wide viewing angle of 120 degrees horizontal and 50 degrees vertical.
- S-input terminal for S-VHS and ED-Beta VCRs.
- DPO (Dynamic Picture Optimizer) for best picture quality in any environment.
- A/V memory: 2 combos of picture/sound control settings memorized and recalled.
- Built-in 10W + 10W power amp and stereo 16cm speakers.
- 3 A/V inputs on rear and 1 A/V input on front.
- Full-function "SR" remote control.
- Space-efficient design with only 597mm in depth.

CB-X26

Video Cabinet

It's fully tailored for the SD-T29, it's complete with heavy-duty shelves, glass doors, and space to accommodate discs and tapes. Dimensions: 59 x 19 x 21; 680 x 630 x 475mm; Net Weight: 29kg.



CLD-1030 CD/CDV/LD Player

- 3-optical-disc compatibility: LD, CDV (CD with Video) and CD (including 8cm singles).
- Fully automatic disc selection.
- Exceptionally high 425-line horizontal resolution.
- Locked color picture scan: For scan without lost color or rolling picture.
- 2 x oversampling digital filter for superb digital sound.
- Compact OEIC (Optoelectric IC) laser pickup.
- Full-function remote control.
- LD play functions: Programmed play of up to 20 chapters; chapter skip; direct chapter access by numeric keypad; frame number search with CAV/LDs.
- CD play functions: Auto program editing for CD-to-tape transfer; programmed play of up to 20 tracks; track/time search; random play; 5-way repeat (point A-B, one track, all tracks, programmed tracks, and memory).



LaserDisc
CD VIDEO
NTSC



LD-850D LD Player

- Exceptionally high 425-line horizontal resolution.
- Locked color picture scan: For scan without lost color or rolling picture.
- 2 x oversampling digital filter for superb digital sound.
- Compact OEIC (Optoelectric IC) laser pickup.
- High-density one-chip video IC: For brighter picture with improved color and accuracy.
- Full-function remote control.
- On-screen display of operating status.
- Operating conveniences: 2-speed scan (forward/reverse), chapter number search, chapter skip search (CAV discs), frame number search (LDV discs), 5-way repeat (point A-B memory, chapter, programmed chapters, and memory).
- Special effects: Multispeed play in 9 steps (forward/reverse), chapter program play (up to 20 chapters), and still play (forward/reverse).



LaserDisc
NTSC

CLD-3030 CD/CDV/LD Player with Digital Memory

- 3-optical-disc compatibility: Lets you hear and see three types of optical discs — LD, CDV (CD with Video) and CD (including 8cm singles).
- Fully automatic disc selection: A single high-performance brushless motor drives the loaded disc; the size and type are automatically detected, and play begins.
- Exceptionally high 425-line horizontal resolution: Allows you to enjoy crisp, well-detailed pictures.
- Noiseless picture scan (CAV/CLV LD discs): To facilitate picture search.
- 4X oversampling digital filter: Using a 176.4kHz sampling frequency, reduces noise and improves phase response to provide well defined sound.
- Twin D/A converters: Separate D/A converters, one for each channel, reduce crosstalk.
- 8-bit sampling with 1-megabit RAM memory: For clear, stable digital special effects, like still with sound, strobe motion, and one-shot memory.
- Jog & shuttle: For advancing and reversing images at variable speeds with a thumb wheel. With CDs, two modes (HIGH and LOW) are available for moving from track to track.
- Compact OEIC (Optoelectric IC) laser pickup: An IC integrated with the mechanism shortens the signal path and shuts out interference.
- Full-function remote control: Included are a jog and shuttle dial and other controls for operation of both CDs and LDs.
- Optical digital output: For connection with a "digital" amp or an outboard D/A converter.
- Special conveniences: Random play of 20 chapters or tracks; chapter/track skip; direct chapter/track access by numeric keypad; frame number search with CAV LDs; track and time search for CD/CDV.

LaserDisc
CD VIDEO
NTSC

AAFES CATALOG CRC No. 3363113

CLD-3030

AAFES

CATALOG

CRC No. 9363235

CD/CDV/LD Player with Digital Memory

- 3-optical-disc compatibility: Lets you hear and see three types of optical discs — LD, CDV (CD with Video) and CD (including 8cm singles).
- Fully automatic disc selection: A single high-performance brushless motor drives the loaded disc; the size and type are automatically detected, and play begins.
- Exceptionally high 425-line horizontal resolution: Allows you to enjoy crisp, well-detailed pictures.
- Noiseless picture scan (CAV/CLV LD discs): To facilitate picture search.
- 4X oversampling digital filter: Using a 176.4kHz sampling frequency, reduces noise and improves phase response to provide well defined sound.
- Twin D/A converters: Separate D/A converters, one for each channel, reduce crosstalk.
- 8-bit sampling with 1-megabit RAM memory: For clear, stable digital special effects, like still with sound, strobe motion, and one-shot memory.
- Jog & shuttle: For advancing and reversing images at variable speeds with a thumb wheel. With CDs, two modes (HIGH and LOW) are available for moving from track to track.
- Compact OEIC (Optoelectric IC) laser pickup: An IC integrated with the mechanism shortens the signal path and shuts out interference.
- Full-function remote control: Included are a jog and shuttle dial and other controls for operation of both CDs and LDs.
- Optical digital output: For connection with a "digital" amp or an outboard D/A converter.
- Special conveniences: Random play of 20 chapters or tracks; chapter/track skip; direct chapter/track access by numeric keypad; frame number search with CAV LDs; track and time search for CD/CDV.

SPECIFICATIONS

Monitor/Receivers

	SD-P4002	SD-T29
DISPLAY		
Reception System	American TV standard, NTSC color	NTSC/PAL/SECAM video mode, PAL (I, B/G, D/K), SECAM (I, B/G, D/K, X/I), NTSC M, NTSC 3.58 (I, B/G, D/K), NTSC 4.43 (I, B/G, D/K), broadcast reception, NTSC = 50Hz, PAL/SECAM = 60Hz playback
Screen Size	40 inches (diagonal)	29 inches (diagonal)
Horizontal Resolution	620 lines	600 lines
Bright (White Peak)	400 foot-Lamberts	—
Actual Viewing Angle	Horizontal = 120°, Vertical = 50°	—
INPUTS/OUTPUTS		
Inputs	Audio/Video x 4, S-terminal x 1	Audio/Video x 2, S-terminal x 1
Outputs	Video (recording) x 1, TV x 1, audio x 1	Video (recording) x 1, audio x 1
TUNER		
Reception Channels		
NTSC	VHF: CH 2 — CH 13 UHF: CH 14 — CH 69 Cable: CH A-6 — CCC (W + 20) (STANDARD or HRC switchable)	VHF: CH 2 — CH 13 UHF: CH 14 — CH 69 Cable: CH A-6 — CH 1, CH J — CH W
PAL/SECAM	—	VHF: CH 2 — CH 12 UHF: CH 21 — CH 69 Cable: CH X — CH Z + 2, CH S1 — CH S10, CH S11 — CH S20
Antenna Terminal	VHF: 1.2 (75 ohms unbalanced, F connector)	VHF: 1.2 (75 ohms unbalanced, F connector)
AUDIO AMPLIFIER		
Continuous Power Output	10W + 10W (50—15,000Hz, THD 1%)	10W + 10W (20Hz, THD 10%)
External Speaker Impedance	8 ohms	8 ohms or more
MISCELLANEOUS		
Power Requirements	110V/120/220/240V (switchable) 50-60Hz	115—127/220—240V (switchable) 50-60Hz
Power Consumption	275W	180W
Dimensions (W x H x D) (without package)	953 x 1,173 x 597 mm 37.5 x 46.1 x 23.5 inches	580 x 565 x 511 mm 26.3 x 22.3 x 20.1 inches
Weight (without package)	7 kg/15.5 lbs, 6 oz	41.7 kg/91 lbs, 12 oz

LD Players

	CLD-3030	CLD-1030	LD-8500
SYSTEM			
Type	LaserVision videodisc system, Compact Disc with Video and Compact Disc digital audio system	LaserVision videodisc system, Compact Disc with Video and Compact Disc digital audio system	LaserVision videodisc system
Type of Discs	30cm (12-inch) and 20cm (8-inch) CAV/CLV LaserVision (LD) 12cm (5-inch) and 8cm (3-inch) Compact Discs 12cm (5-inch) CDV	30cm (12-inch) and 20cm (8-inch) CAV/CLV LaserVision (LD) 12cm (5-inch) and 8cm (3-inch) Compact Discs 12cm (5-inch) CDV	30cm (12-inch) and 20cm (8-inch) CAV/CLV LaserVision (LD)
VIDEO CHARACTERISTICS			
Horizontal Resolution	425 lines	425 lines	425 lines
Video Signal-to-Noise Ratio	46dB	46dB	46dB
DIGITAL AUDIO CHARACTERISTICS			
Frequency Response	4—20,000Hz (+0.5dB)	4—20,000Hz (+0.5dB, -1.0dB)	4—20,000Hz (+0.5dB, -1.0dB)
Signal-to-Noise Ratio	101dB	95dB	95dB
Dynamic Range	95dB	95dB	95dB
Channel Separation	127dB	92dB	92dB
Total Harmonic Distortion	0.003%	0.001%	0.001%
Wow and Flutter	Unmeasurable ($\pm 0.001\%$, weighted peak or less)	Unmeasurable ($\pm 0.001\%$, weighted peak or less)	Unmeasurable ($\pm 0.001\%$, weighted peak or less)
OUTPUTS			
Channel (VHF/NTSC)	Channel 3 or 4 (switchable)	Channel 3 or 4 (switchable)	Channel 3 or 4
Terminal (VHF/NTSC)	F-type jack (75 ohms, unbalanced)	F-type jack (75 ohms, unbalanced)	F-type jack (75 ohms, unbalanced)
Video Output	RCA jack (75 ohms, unbalanced)	RCA jack (75 ohms, unbalanced)	RCA jack (75 ohms, unbalanced)
Audio Output	RCA jack	RCA jack	RCA jack
MISCELLANEOUS			
Power Requirements	110V/120—127/220/240V 50-60Hz	115/120—127/220/240V 50-60Hz	110V/120—127/220/240V 50-60Hz
Power Consumption	55W	39W	37W
Dimensions (W x H x D) (without package)	420 x 110 x 440 mm 16.5 x 4.3 x 17.3 inches	420 x 110 x 438 mm 16.5 x 4.3 x 17.2 inches	420 x 110 x 432 mm 16.5 x 4.3 x 17.0 inches
Weight (without package)	10.2 kg/22 lbs, 7 oz	8.2 kg/18 lbs, 4 oz	8.2 kg/18 lbs, 7 oz

LaserDisc

LaserDisc is a trademark of Pioneer Electronic Corporation.



The LaserVision mark certifies compatibility with other laser optical video products bearing the mark.



This mark indicates the compatibility for the Pioneer system remote control.

In the Pacific and European areas, Pioneer products are available at Army & Air Force, Navy, Marine Corps Exchanges and also through:
EXCHANGE MAIL ORDER CATALOG — AAFES Catalog Sales, P.O. Box 660211, Dallas, Texas 75266-0211
Note: Please check Exchange Catalog items in Exchange Catalogs at your nearest Exchange Counter.

PIONEER

For More Information, please write to:
PIONEER ELECTRONIC CORPORATION
4-1, Meguro 1-chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONIC GmbH
Isenburger Park, Schleierstrasse 92, 6078 Neu Isenburg, West Germany

Published by Pioneer Electronic Corporation.
copyright 1988 Pioneer Electronic Corporation.
All rights reserved.

Note: Specifications and design subject to modification without notice.