



SCENIUM

High-Definition Television



50"

Diagonal Wide Screen



L50000

Powered By LCOS Technology

RCA
SCENIUM

High-Definition Television with Built-In Digital Decoder:

- 1280 x 720P Resolution
- Progressive Matrix Display
- Up To 2.76 Million Individually Addressable Pixels

3-Panel LCOS Optical System: "Light Engine"

Thin—Only 18" Deep

Lightweight—Less Than 100 Lbs.

Widescreen Cinema Format (16:9)

Horizontal Viewing Angle of Virtually 180°

SRS  Focus¹ Audio Technology

Dolby Digital² Output

SYNCROSCAN™ Component Video Input

Advanced NTSC Twin-Tuner PIP

Universal Learning Remote Control

Specifications

Display

3-Panel LCOS (Liquid Crystal On Silicon) "Light Engine"

- 0.15mm Ultra Precision Pitch Screen
- High-Contrast, Crisper Picture
- 3x Better Resolution Than Typical Projection TV Screens

1st Surface Glass Mirrors

3D Y/C Frame Comb Filter

11 Element HDTV Lens System

Virtually 180° Horizontal Viewing Angle

Built-in Digital Decoder

Multi-Platform Capability

- DIRECTV Receiver Built-In (Dish required and sold separately.)
- DIRECTV® Programming (Programming sold separately.)
 - Access to Over 225 Channels of Digital Programming
 - High-Definition Programming
- Local Off-Air Reception
 - Analog Broadcasts
 - Digital Broadcasts

Sound

Dolby Digital² Digital Optical (SPDIF) Output

Sound Retrieval System using SRS  Focus¹

Audio Power Totals 20 Watts

Convenience

Plug and Play Operation

Advanced NTSC Twin-Tuner PIP

V-Chip Parental Control

SYNCROSCAN™ Component Video Input

- Accepts All Analog, Progressive and HD Signals
- 720P Resolution Output

Consumer Replaceable Lamp Assembly

Universal Learning Remote Control CRK820TAL1

Fully Backlit Buttons with Selectable Backlighting

3 Macro Buttons per Device

3 Learning Buttons

Eliminate Obsolescence

2-Line LCD Display for Programming Feedback

Single Button Format Control

Batteries Included



General Specifications

Thin Profile: Only 18" Deep

Lightweight: Less than 100 Lbs.

Product Dimensions: 47½" W x 38" H x 18" D

Optional Matching Base: Model No. RRS50

¹ SRS Focus: SRS, the SRS symbol , and Sound Retrieval System are registered trademarks of SRS Labs, Inc.

² Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation.

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A Higher Definition Television Is Here.™

You've never seen a TV quite like this before. A 50" widescreen television with innovative high-definition resolution—super-bright, clear pictures in a remarkably thin, lightweight package. Its brilliant clarity and 3-D feeling from corner-to-corner, combined with a broader viewing angle means there isn't a bad seat in the house.

The secret behind its superlative picture quality is a new high-resolution display technology called LCOS (Liquid Crystal On Silicon). LCOS technology is basically light management. Utilizing three reflective light valves (or imagers), a sophisticated prism, and lensing system, light is transformed into a laser-like beam and imprinted with a high-definition image ultimately magnified and displayed in a perfectly aligned widescreen format.

The result—a very light, very bright, high-definition TV.



Very



Light.



Very



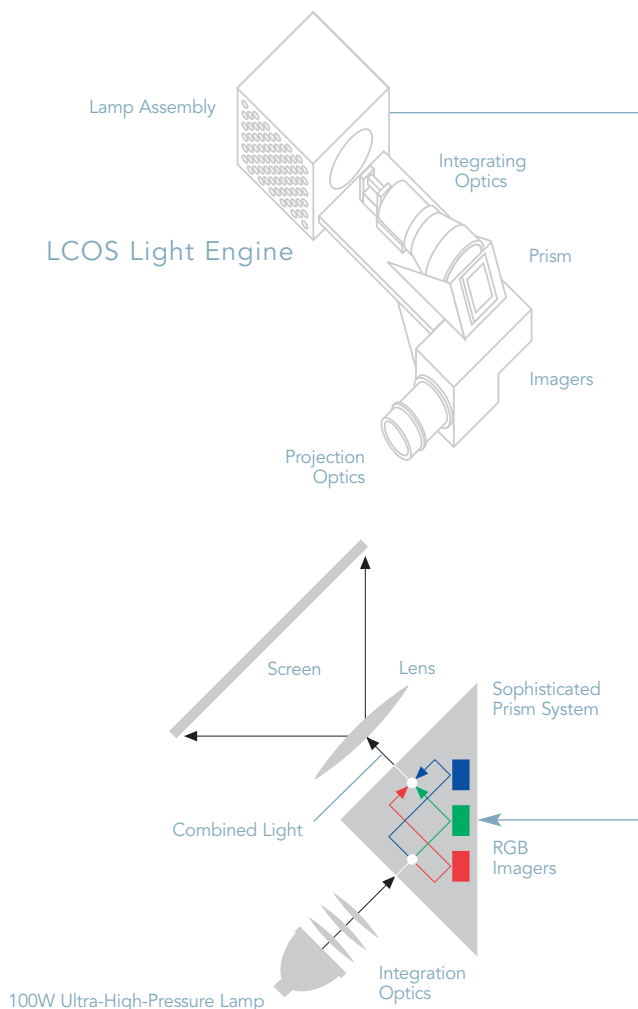
Bright.™



LCOS (Liquid Crystal On Silicon) Optical System: The Light Engine Defined "Lamp-to-Lens"

- 100W Ultra-High Pressure lamp provides intense white light source
- Integration optics transform the light into rectangular, laser-like beam
- Prism system
 - The laser-like beam enters the prism and is divided into three primary colors (red, green, blue).
 - These three individual streams of light are directed to corresponding light valves (imagers) where they pick up the modulated video content as they are reflected off the surface of the imager.
 - Each LCOS television has a 3-imager system capable of precise color reproduction.
 - Reflective imagers provide up to 25% more light than a transmissive (LCD) system.
 - Each imager is capable of displaying 1280 x 720P information. This translates to over 900,000 pixels of information per imager, totaling 2.76 million individually addressable pixels for the total system.
 - The three streams of light, each with the same video signal attached, recombine within the prism into a single synchronized, perfectly aligned HDTV image.
- 11 element lens system
 - The perfectly aligned image exits the prism system and enters an 11 element lens system, which magnifies the image 70 times into a 50" widescreen HDTV picture.
 - Lens system is color-corrected to enhance picture quality.
 - The entire lens system has an anti-reflective (AR) coating which helps optimize light output.

LCOS Light Engine



The Picture

3D Y/C Digital Frame Comb Filter

The ultimate in color separation—this three-dimensional filter evaluates both current and future video information, eliminating dot and edge crawl, while providing smoother transitions between scene changes—resulting in a dramatically crisp picture.

1st Surface Glass Mirrors

Provides maximum picture brightness and sharpness by reflecting more light from the front surface of the mirror.

Wide Viewing Angle

With a horizontal viewing angle of virtually 180°, there's not a bad seat in the house.

DIRECTV Receiver Built-In

Multi-Platform Capability

- DIRECTV Receiver Built-In (Dish required and sold separately.)
- DIRECTV® Programming (Programming sold separately.)
 - Access to Over 225 Channels of Digital Programming
 - High-Definition Programming
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The Sound

Dolby Digital² Output

Sound technology that offers a range of digitized information in a compressed package. Dolby Digital² provides superior audio quality, from mono to stereo to 5.1 channels. It delivers all the sound from all the channels that were originally recorded to the system's sound decoder, which then outputs the sound through the available speakers.

SRS Focus¹ Audio Technology

Ingenious new technology from SRS Labs. Raises the sound stage to ear level providing more lifelike audio. Combined with SRS¹ 3D Sound, it creates a fully immersive "live performance" listening experience from as few as two stereo speakers. Focus¹ technology is ideally suited for home applications when speakers can not be placed in optimal locations for either space or aesthetic reasons.

The Limited Warranty

- One year for labor charges.
- One year for parts.
- Two years for light engine.
- See RCA Scenium dealer for complete details.

The Convenience

Thin and Lightweight

Only 18" deep and weighs less than 100 pounds.

Universal Backlit Learning Remote Control

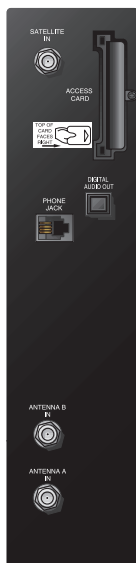
Seven-function universal remote with 2-line LCD. Macro and learning functions allow you to consolidate most component remotes and create shortcuts to your favorite features.

Advanced (NTSC) Twin Tuner™ Picture-In-Picture

Two built-in independent tuning systems allow both large-picture and small-picture viewing without the need for a second external video source (e.g. VCR).

V-Chip Parental Control

Puts control back into the hands of the viewer by blocking unwanted television broadcasts with U.S. Government required circuitry. Blocks three types of programs: regular television programs, broadcast movies and unrated programs.



The Connections

New SYNCROSCAN™ HD Component and (S)VGA Video inputs

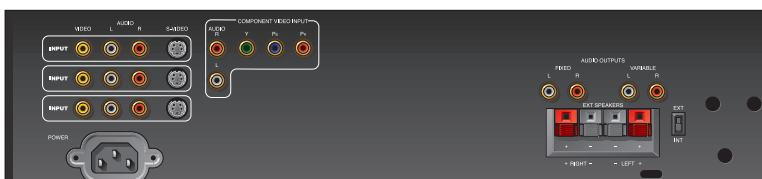
- Automatically adjusts scan rate of component video inputs (YPrPb).
- Allows for connection of regular or progressive-scan DVD players or component-output HDTV set-top boxes.

Audio/Video Inputs

- Three A/V composite inputs with auto detectable S-Video input
- One set SYNCROSCAN™ component video inputs (YPrPb)
- One set A/V inputs on front panel
- Three RF inputs (one satellite, two NTSC/ATSC)

Audio/Video Outputs

- One pair fixed audio outputs
- One pair variable audio outputs
- Dolby Digital² output for optical cable
- One set external speaker jacks
- Access card reader for satellite authorization (card included)
- Phone jack connector



RCA SCENIUM
rcascenium.com

Form S-L50000

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