

RCA

MM27110

HDTV | monitor

GUIDE *plus+* ¹
GOLD



27" diagonal Digital High-Definition Monitor

- HDTV Monitor²:
 - 1080i Capable
 - 800 x 1080i Pixel Resolution
- Up to 864,000 Pixels
- SVGA (800 x 600) Computer Capability
- SYNCROSCAN™ System
- DPP–Digital Precision Pitch Picture Tube
 - 0.66mm Center Screen Pitch on 27"
- 3-Line Digital Comb Filter
- Broadcast Stereo with dbx³ Noise Reduction
- SRS Focus⁴ Audio Technology
- Seven Sets of Audio/Video Inputs
- SYNCROSCAN™ YPrPb Component Video Input
- One Set Audio/Video Outputs
- Advanced Twin Tuner™ Picture-In-Picture (NTSC Tuning)
- GUIDE Plus+ GOLD¹ On-Screen Program Guide
- Universal Glo-In-The-Dark Remote



RCA

Changing Entertainment. Again.

www.rca.com



TELEVISION

The RCA Digital High-Definition Monitor is our most versatile TV ever.

The RCA brand has always offered innovative technologies to enhance your home entertainment experience. The RCA Digital High-Definition Monitor lives up to this commitment by offering outstanding picture performance and multiple connectivity options. This is the perfect vehicle to help you make the transition into the world of HDTV. The RCA Digital High-Definition Monitor can display 1080i (interlaced) television signals (864,000 pixels) when you combine this television with an RCA DTC100 HD/Digital Receiver. In addition, with its seven sets of audio and video inputs the RCA High-Definition Monitor has much more to offer outside the world of HDTV. It's the perfect display for your computer, VCR, standard TV broadcasts, video games and your DVD player—and they can all be connected at the same time!

RCA Model DTC100



Combining the HDTV-ready Digital High-Definition Monitor with a DTC100 High-Definition Digital Receiver will provide you an HDTV-quality picture.

Within the monitor's 4:3 aspect ratio viewing area, you receive the same pixel resolution inch for inch as with a 16:9 HDTV.

4:3 ratio = 864,000 pixels



16:9 ratio = Over 1 million pixels

It's what goes on behind the screen that makes this picture incredible.

The RCA Digital High-Definition Monitor delivers an incredible picture.

It starts with a **Digital Precision Pitch Picture Tube** which features a 0.66mm center screen pitch that delivers crisp focus and incredible color. An INVAR shadow mask is combined with 65 watts of concentrated picture power to deliver a bright and sharp picture.

The RCA Digital High-Definition Monitor is a **true SYNCROSCAN™ display**. This gives you professional-quality monitor capability with a SYNCROSCAN™ system that automatically detects signals with horizontal scan rates from 15.7 kHz to 37.7 kHz. Connecting your computer to this SVGA input delivers 480,000 pixels of resolution.

The quality picture delivered to your screen can be precision tuned to your needs with the **Video and Text/Graphics Modes**. These deliver the optimum picture performance whether you are watching an HD movie or surfing the web.

High Performance Video System

- **3-Line Digital Comb Filter**
Separates black-and-white detail from color information to virtually eliminate edge crawls and rainbow effects while extending picture resolution.
- **Video Noise Reduction**
Video noise filter greatly reduces noisy picture interference by automatically adjusting to the incoming signal level, providing a cleaner and more consistent overall picture.
- **Auto Color Balance**
Resets individual picture tube guns (Red, Green, Blue) to maintain consistent overall picture quality for the life of the tube.
- **Auto Color Control**
Automatically maintains natural flesh tones and color fidelity from channel to channel and scene to scene.
- **Dark-Tint, High-Contrast Picture Tube**
Delivers outstanding picture contrast for blacker blacks, brilliant whites, and deep rich colors even in bright room conditions.
- **Deluxe Shielded Tuner with 181-Channel Tuning Capability***
Special shielding dramatically reduces ghosting caused from off-air pick-up when watching cable channels. Digitally-controlled frequency synthesis tuning system "locks on" to cable and standard signals with unsurpassed accuracy.
- **Dynamic BlackStretch Circuitry**
Extends black levels in bright scenes to enhance contrast and detail.
- **High Performance Scan Velocity Modulation (SVM)**
Improved SVM circuitry automatically varies the scanning speed of the picture tube's electron beam to improve sharpness and detail, especially in high-contrast areas.
- **High Performance Video Amplifier**
Delivers high resolution and clarity by extending the video frequency response. Optimizes performance from high-resolution sources such as the RCA®-DIRECTV™ System, DVD players, and S-Video signals (S-VHS, Hi8).
- **High-Resolution Dynamic Focus Electron Gun**
Specifically designed to optimize picture performance of Digital Precision Pitch Picture Tube. Improves corner and edge focus for an overall sharper picture.

Sound

- **SRS Focus⁴ Audio Technology**

Ingenious new technology from SRS Labs. Raises the sound stage to ear level providing more lifelike audio. It creates a fully immersive "live performance".

- **Broadcast Stereo with dbx³ Noise Reduction**

Improves the clarity and fidelity of stereo broadcasts by restoring dynamic range and suppressing unwanted noise.

- **Front-Fired Speaker System**

Front-fired speakers offer 10 watts per channel of audio power. Provide excellent imaging while localizing voices at the screen.

- **Second Audio Program (SAP)**

Decodes the second audio program available on some broadcasts.

Remote

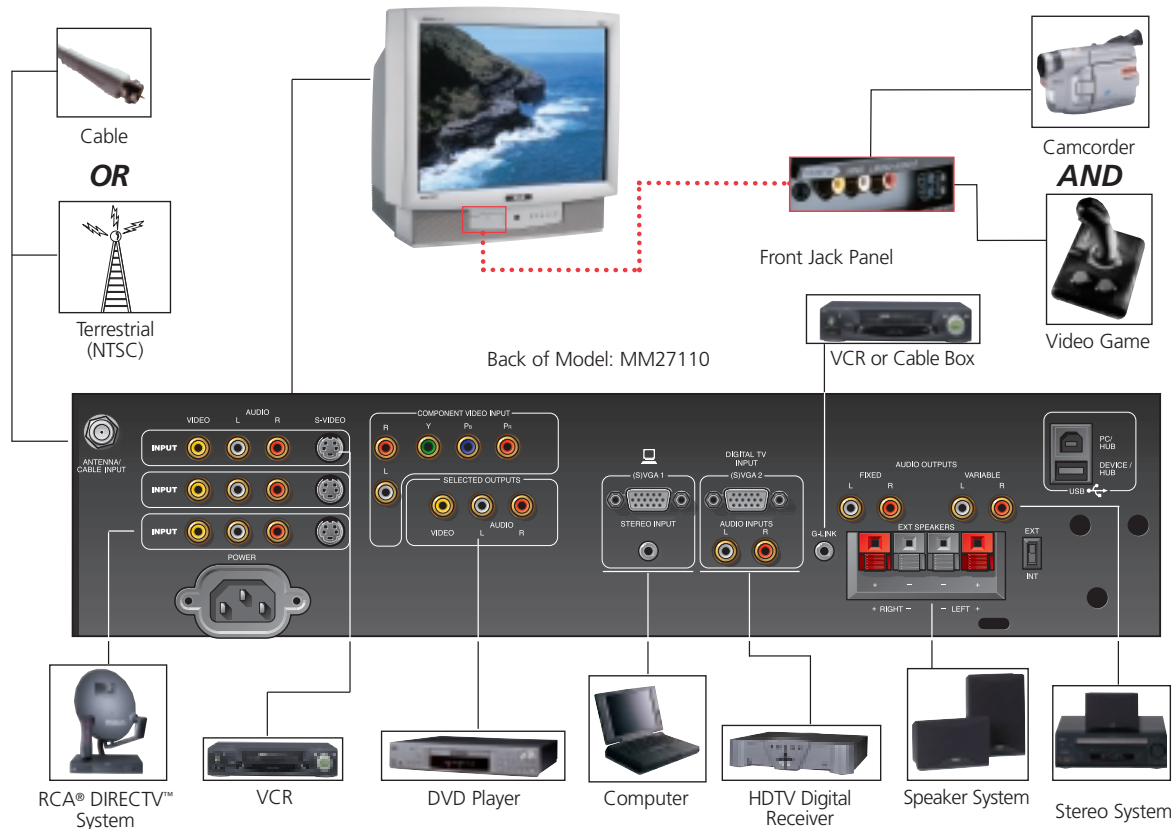
- **Universal Glo-In-The-Dark Remote CRK76TA1**



Connections

Connects Your World For Today And Tomorrow

To maximize the performance of the Digital High-Definition Monitor, connect an RCA®-DIRECTV™ System. And the addition of the RCA DTC100 HDTV Digital Receiver provides up to 864,000 pixel capability and will enable reception of high-definition programming when it becomes available.



- **Seven Sets of Audio/Video Inputs!**

- 3 A/V composite inputs each with auto-detectable S-Video input.
- 1 set SYNCROSCAN™ HD component video inputs (YPrPb) allows for connection of regular- or progressive-scan DVD players or component-output HDTV set-top boxes.
- 2 15-pin D-sub SVGA inputs (one supports PC connection with a mini-plug audio jack for PC applications, the other provides connection for an

HDTV converter or other high-resolution source component with RCA-type audio jacks). VGA monitor "plug-and-play" convenience is supported via EDID data reporting through DDC2B protocol.

- 1 set audio/video inputs with USB port located on front panel.

- **Audio/Video Outputs**

- 1 pair fixed audio outputs (provides constant level output for recording or for stereo system with its own remote).

- 1 pair variable audio outputs (the output audio level changes with TV's remote).
- 1 set selected audio/video outputs.
- 1 set of speaker jacks for external speakers.

- **USB Connection System**

The monitor/receiver is complete with Universal Serial Bus (USB) port connection system which provides connection convenience with the latest USB-compatible PCs. Front and rear panel USB jacks allow connections of up to

127 USB peripherals such as game pads, joysticks, keyboards, and digital video cameras, to be configured with the monitor.

- **G-LINK™ Connector**

The G-LINK™ connector allows the GUIDE Plus+ GOLD™ Program Guide to work with your VCR (enabling one-touch record) and/or cable box (ability to tune directly to a station when the program guide is on your TV screen).

Convenience



**WHAT'S ON TV!
Tonight, Tomorrow
and the Next Day!**

"Command" Buttons

Preview Window

Program Info

Guide Selector

Promotional Windows

Program Grids

Channel Line-ups



1 Press Here.

2 The Program Guide appears on your television.

GUIDE Plus+ GOLD[®] Interactive Program Guide

Find out What's On! The GUIDE Plus+ GOLD[®] Program Guide is a FREE, built-in service that provides instant listings of all your TV shows at the touch of a button. View listings up to seven days in advance and enjoy the capability of One-Touch Recording to your VCR.

2 ways to find your programs



The Grid Guide

Using your remote, easily scroll through current or future TV listings to see what's on. As each program is highlighted, an informative summary appears in the Program Info area.

The Sort Guide

Find your favorite sports, movies, or kids' programs, for up to seven days in advance, instantly with the Sort Guide.



And The Benefit of One-Touch Record*

Even if your VCR is flashing 12:00, the GUIDE Plus+ GOLD[®] Program Guide can record your favorite shows. Simply use your remote to highlight the program you want to record, set it to record and the GUIDE Plus+ GOLD[®] Program Guide does the rest! You can even set shows to record daily and weekly!

*compatible with most VCRs



MSNBC News Guide

Check out up-to-date national and world news stories from MSNBC in the News Guide. Comprehensive coverage includes business, sports, and entertainment news.

• Advanced Auto Channel Search

Auto Cable/Air Switch sets tuner to cable or "off-air" frequencies during initial setup. Then system automatically scans for and locks active channels into channel memory.

• Advanced 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). In addition to standard RCA PIP feature of Swap, the Twin Tuner™ PIP System also provides:

–Continuous Move

Permits placement of the small picture anywhere on the screen.

–Commercial Skip-to-PIP

This exclusive RCA feature allows the main picture to move to the PIP window simultaneously with the activation of an on-screen countdown timer. The viewer can then monitor the original program while browsing through other channels during commercial breaks.

• Channel Labeling

Assign on-screen characters to easily identify channels (e.g. NBC, HBO, ESPN, VH-1).

• On-Screen Menu System

On-screen displays make it easy to adjust most picture, sound, and convenience features from either the remote control or the TV front panel buttons.

• Front Panel Lockout

Completely disables front panel controls to prevent toddlers from altering settings.

• Picture Reset

Instantly returns picture to factory settings for Color, Tint, Contrast, Brightness, and Sharpness.

• 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.

Program rating information is sent by the broadcaster continuously during the program. The television will match program rating to user preference and block the entire program (when program is aired with the encoded signal). User preference is secured using a four-digit password.

Model

MM27110

Picture

| | |
|------------------------------|-------------------------|
| Optimum Contrast Screen | Yes |
| Picture Power (Watts) | 65 |
| INVAR Shadow Mask | Yes |
| Screen Pitch | 0.66mm At Center |
| Dynamic Focus | Yes |
| Scan Velocity Modulation | Yes |
| Aperture Sharpness | Yes |
| Comb Filter | Digital 3-Line |
| Auto Color Control | Color Level & Tint |
| Auto Color Balance | AKB Gray Scale Tracking |
| BlackStretch | Yes |
| Color Detail Enhancement | Yes |
| Wide Band Video Amplifier | Yes |
| Video Noise Reduction | Yes |
| Calibrated Color Temperature | 6500 & 9300 Kelvin |



SYNCROSCAN™ Scan Modes

| | |
|-----------------|------------------------------|
| NTSC | 15.7kHz/30Hz Interlaced |
| VGA | 640x480, 60/72Hz Progressive |
| SVGA | 800x600, 60Hz Progressive |
| Digital TV Mode | 1080 Interlaced |

Horizontal Resolution

| | |
|--------------------------|------------------|
| Lines Per Picture Height | 615 |
| Lines Per Picture Width | 820 ⁶ |

Sound

| | |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Audio Power (Watts) Total | 15 Watts |
| dbx ³ Broadcast Stereo | Yes |
| Second Audio Program | Yes |
| SRS  Sound Retrieval System ⁴ | SRS  Focus |
| Speakers | 2 – 2.25 x 5" High Compliance |

Convenience

| | |
|-----------------------------------------|---------------------------------|
| Channel Tuning Capability ⁵ | 181 |
| Twin-Tuner™ Picture-In-Picture | Yes |
| PIP Swap And Move | Yes |
| Channel Labeling | Yes |
| V-Chip Parental Control | Yes |
| GUIDE Plus+ GOLD ⁴ with News | Yes |
| Stereo Headphone Jack | 3.5mm Stereo Mini-Jack |
| Front A/V Input | Composite, L/R Audio |
| Front Universal Serial Bus | 2-Hub |
| Universal Remote | Glo-In-The-Dark |
| Plug-And-Play Compatibility | VESA ⁷ DDC2B (VGA 1) |

Back Panel Inputs/Outputs

| | |
|----------------------------|---------------------------------------|
| Universal Serial Bus | Hub & Host |
| A/V Inputs | 3 – S-Video / Composite, L /R |
| SYNCROSCAN™ HD | YPrPb (RCA Jacks): 15.7 – 37.7 kHz |
| Component Video Input | |
| Monitor Control | VESA ⁷ DDC2B (VGA 1) |
| UHF/VHF, Cable Input | 75-OHM Terminal |
| VGA & SVGA Inputs | 2 – 15-PIN D-SUB |
| Selected A/V Outputs | S-Video, Composite, L/R, PIP |
| Computer Audio Input Jack | 3.5mm Stereo Mini-Jack (VGA 1) |
| Audio Output Jacks | Fixed & Variable |
| External Speaker Terminals | 1 Pair |

User Adjustments

Adjustable Via On-Screen Menu

| | |
|----------------------|-----------------------------------|
| Basic Adjustments | Cont, Col, Tint, Blk Level, Sharp |
| Advanced Adjustments | Noise Filt., Color Temp. |
| Position Controls | Horizontal/Vertical |
| Size Controls | Horz./Vert., Variable -6% to 0.0% |
| Audio | Bass, Treb., Bal., Vol., Mute |

General Specifications

| | |
|-----------------------------------|---------------------|
| Finish | Silver Diamond/Gray |
| Screen Size (measured diagonally) | 27" |
| Product Dimensions (H x W x D) | 24½" x 25½" x 20¾" |
| Approximate Shipping Weight | 118 Lbs. |

Plus


• **Limited Warranty**

- One year for labor charges.
- One year for parts.
- Two years for picture tube.
- See RCA dealer or visit www.rca.com for complete details.

1 GUIDE Plus+ GOLD and G-LINK are trademarks of Gemstar-TV Guide International, Inc.

2 HD|Digital receiver required to receive digital TV signals.

3 dbx is a registered trademark of Carillon Electronics Corporation.

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

5 Check your cable company's compatibility requirements.

6 Lines per picture width, 615 lines based on EIA measurement criteria.

7 The Video Electronics Standards Association.

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Photos and features subject to change without notice. Illustration of product finish may vary from actual color. Screen sizes measured diagonally.

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