

# CRYSTAL™ PORTFOLIO

CR-26HD, CR-32HDi, CX-40HD, CX-46HD

LIQUID CRYSTAL DISPLAY MONITORS



THE WORLD'S FINEST  
HOME THEATER PRODUCTS™





CX-46HD



The Crystal Series incorporates Runco's acclaimed Vivix™ digital video processing. This superior technology includes 3D scan conversion with motion compensation and 3:2 pulldown for excellent video performance with both video-based and film-based material.

## Widevision™

The CX Crystal Series models offer Runco's WideVision™ 16:9 native widescreen aspect ratio, with a resolution of 1920 x 1080, provided by state-of-the-art TFT active matrix LCD display panels.

Runco's discrete aspect ratio control includes the VirtualWide™ mode to fill the 16:9 screen with standard 4:3 images without loss of picture quality, eliminating annoying black side bars and displaying any source material in full, widescreen glory.



The new Crystal Series™ products incorporate the Imaging Science Foundation's "ISF 3c"™ (Certified Calibration Configuration) setup and calibration standards in the display's GUI menus to facilitate picture quality conforming to the highest standards in the industry.

# CRYSTAL PORTFOLIO™ HIGH DEFINITION LIQUID CRYSTAL DISPLAYS

Runco presents the Crystal Series™ Portfolio of LCD Flat Panel Displays, perfect for those who demand our award-winning flat panel performance along with advanced LCD technology and lightweight design.

Four models are offered in 16:9 widescreen sizes of 26, 32, 40 and 46 inches diagonal. Each incorporates our superb Vivix™ digital video processing to produce outstanding picture quality with a wide range of both standard and high definition source material. In addition, the handsome, gloss black finished televisions are engineered to the Imaging Science Foundation™ (ISF) calibration standards for the purest video performance.

They also feature a built-in ATSC tuner that receives terrestrial HDTV broadcasts, in addition to an advanced, 185 channel, cable-ready NTSC stereo tuner. They offer PIP, PBP, closed captioning, Parental Control (V-Chip) functionality and multi-language support.

In addition, these displays all include an integrated stereo audio system incorporating surround sound technology with two-way speakers (removable on the CX-40HD and CX-46HD) placed below the screen and generous power amplification.

The advanced TFT active-matrix LCD display panels offer 1366 x 768 resolution with the CR-26HD and CR-32HDi, while the CX-40HD and CX-46HD boast 1920 x 1080 (1080p) resolution, the highest available.

All Crystal models include Runco's discrete aspect ratio control with our VirtualWide™ mode to fill the 16:9 screen with standard 4:3 images without loss of picture quality. Also included are discrete source, aspect ratio and power selection and an RS-232 interface for custom installation and whole-house or automated control system integration.

These Crystal Series LCD Displays are multimedia ready, with simple computer connections making gaming, internet browsing and other computer activities quick and easy. Each model is supplied with a table top stand and optional wall mounting hardware is also available.

## CRYSTAL SERIES



CR-26HD



CR-32HDi



CX-40HD

| Specifications:                     | CR-26HD   | CR-32HDi  | CX-40HD  | CX-46HD  |
|-------------------------------------|---|---|--|--|
| <b>Native Resolution:</b>           | 1366 x 768  | 1366 x 768  | 1920 x 1080  | 1920 x 1080  |
| <b>Screen Size:</b>                 | 26 in. (diagonal)   | 32 in. (diagonal)   | 40 in. (diagonal)  | 46 in. (diagonal)  |
| <b>Screen Aspect Ratio:</b>         | 16:9  | 16:9  | 16:9   | 16:9   |
| <b>Available Aspect Ratios:</b>     | 4:3, Letterbox, 16:9 Anamorphic, VirtualWide™   | 4:3, Letterbox, 16:9, VirtualWide™  | 4:3, Letterbox, 16:9, VirtualWide™   | 4:3, Letterbox, 16:9, VirtualWide™   |
| <b>DTV Compatibility:</b>           | 480p, 720p, 1080i   | 480p, 720p, 1080i   | 480p, 720p, 1080i, 1080p   | 480p, 720p, 1080i, 1080p   |
| <b>ISF Settings:</b>                | Yes   | Yes   | Yes  | Yes  |
| <b>Contrast Ratio:</b>              | 1000:1  | 1000:1  | 1000:1   | 1000:1   |
| <b>Data/Graphics Compatibility:</b> | Up to 1024 x 768  | Up to 1024 x 768  | 640 x 350 to 1920 x 1080   | 640 x 350 to 1920 x 1080   |
| <b>Vivix Processing:</b>            | 3:2 pull down   | 3:2 pull down   | 3:2 or 2:2 pull down   | 3:2 or 2:2 pull down   |
| <b>Inputs:</b>                      | Multiple input combinations with up to (3) Composite, (2) S-Video, (1) Component, (1) DVI w/HDCP, (1) RGB (15-pin mini D-sub), (1) RS-232, (4) Audio (stereo RCA pairs), (1) RF Antenna   | Multiple input combinations with up to (3) Composite, (2) S-Video, (1) Component, (1) DVI w/HDCP, (1) RGB (15-pin mini D-sub), (1) RS-232, (4) Audio (stereo RCA pairs), (1) RF Antenna | Multiple input combinations with up to: (4) Composite Video, (2) S-Video, (2) Component Video, (2) HDMI w/HDCP, (1) RGB (15-pin D-sub), (1) RS-232 Control, (5) Analog Audio (4 stereo RCA pairs + 3.5-mm stereo mini jack), (1) RF Antenna, (1) CATV (75-ohm coaxial) | Multiple input combinations with up to: (4) Composite Video, (2) S-Video, (2) Component Video, (2) HDMI w/HDCP, (1) RGB (15-pin D-sub), (1) RS-232 Control, (5) Analog Audio (4 stereo RCA pairs + 3.5-mm stereo mini jack), (1) RF Antenna, (1) CATV (75-ohm coaxial) |
| <b>Outputs:</b>                     | (1) Composite, (1) Audio (stereo RCA pair)  | (1) Composite, (1) Audio (stereo RCA pair)  | (1) Composite Video, (1) Analog Audio (stereo RCA pair), (1) Stereo headphone (3.5-mm stereo mini jack), (1) Digital Audio (S/PDIF, RCA coaxial), (1) Digital Audio (TosLink optical)  | (1) Composite Video, (1) Analog Audio (stereo RCA pair), (1) Stereo headphone (3.5-mm stereo mini jack), (1) Digital Audio (S/PDIF, RCA coaxial), (1) Digital Audio (TosLink optical)  |
| <b>Audio System:</b>                | 10W RMS x 2, L/R two-way Integrated Speaker System  | 10W RMS x 2, L/R two-way Integrated Speaker System  | 10W RMS x 2, L/R two-way Detachable Speaker System   | 10W RMS x 2, L/R two-way Detachable Speaker System   |
| <b>Tuner:</b>                       | ATSC/185 CH. NTSC Stereo (PAL as monitor only) HDTV Ready, PIP/PBP, V-chip, Closed Caption  | ATSC/185 CH. NTSC Stereo (PAL as monitor only) HDTV Ready, PIP/PBP, V-chip, Closed Caption  | NTSC/ATSC Stereo (PAL as monitor only), HDTV, PIP/PBP, Parental Control (V-Chip), Closed Caption   | NTSC/ATSC Stereo (PAL as monitor only), HDTV, PIP/PBP, Parental Control (V-Chip), Closed Caption   |
| <b>Discrete IR Control:</b>         | Source, power and aspect ratios   | Source, power and aspect ratios   | Source, power and aspect ratios  | Source, power and aspect ratios  |
| <b>Power Requirements:</b>          | 100-240V AC, 50/60Hz  | 100-240V AC, 50/60Hz  | 100 to 240 VAC, 50/60Hz  | 100 to 240 VAC, 50/60Hz  |
| <b>Power Consumption:</b>           | 130W  | 180W  | 270 W  | 310 W  |
| <b>Operating Environment:</b>       | 40 to 95°F (5 to 35°C);<br>20-80% humidity (non-condensing)   | 40 to 95°F (5 to 35°C);<br>20-80% humidity (non-condensing)   | 40 to 95°F (5 to 35°C);<br>20-80% humidity (non-condensing)  | 40 to 95°F (5 to 35°C);<br>20-80% humidity (non-condensing)  |
| <b>Dimensions:</b>                  | Width: 27 in. (686 mm)<br>Depth: 3 3/8 in (86 mm) (w/stand 7 9/16 (192 mm))<br>Height: 19 1/2 in. (495.30 mm)<br>(w/stand 20 in. (508.00 mm))<br>Weight: 26.46 lbs. (12.00 kg) with stand | Width: 31 11/16 in. (805 mm)<br>Depth: 3 7/8 in (98 mm) (w/stand 8 1/4 in (210 mm))<br>Height: 23 1/32 in. (585 mm) with stand<br>Weight: 50.71 lbs. (23 kg) with stand                 | Width: 38 7/8 in. (986.53mm)<br>Depth: 3 15/16 in (99.06mm)<br>Height w/speakers: 26 3/4 in. (678.94mm)<br>Weight: 63.93 lbs. (29.0 kg)  | Width: 44 1/8 in. (1121 mm)<br>Depth: 3 15/16 in (99.06mm)<br>Height w/speakers: 29 3/4 in. (755mm)<br>Weight: 76.28 lbs. (34.60kg)  |
| <b>Regulatory Approvals:</b>        | Complies with FCC, CE, C-Tick   | Complies with FCC, CE, C-Tick   | Complies with FCC, CE, C-Tick  | Complies with FCC, CE, C-Tick  |
| <b>Limited Warranty:</b>            | (1) One year parts and labor from the date of delivery to the end user.   | (1) One year parts and labor from the date of delivery to the end user.   | (1) One year parts and labor from the date of delivery to the end user.  | (1) One year parts and labor from the date of delivery to the end user.  |



Engineered for ISF® calibration.



Specifications are subject to change without notice. Optional wall mount available.  
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Theater installation photo courtesy of Aurant, Salt Lake City, UT



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