The perfect experience 2006 – The all new 2006 High Definition Lineup.

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Our new slim panel design LCDs are the perfect complement to even the most elegant room...
Experience

HDTV
from JVC ...

Year after year our engineers work tirelessly to bring about the best complement of leading edge features and technologies to our valued customers. 2006 guarantees even more than ever before with these features on every model in this book:

- Every model benefits from the most advanced I/P converter/scaler on the market today — 5th Generation D.I.S.T. w/GENESSA
- Every JVC image is composed of completely pure color reproduction from 5 point color management
- Even the most demanding scenes look smooth and detailed with JVC’s exclusive dynamic gamma controller
- Focus is always as good as can be with JVC’s High Definition Range 150MHz Digital Super Detailer
- Smart features examine image sources and adjust the picture so it’s perfect in every condition
- Every model has the perfect speaker and sound package to deliver high quality home theater sound

Behind our beautiful, natural images is the brilliance of our unrivaled picture processing technologies

A major challenge to television display engineers these days is in making even the oldest and the poorest quality sources appear glorious on big screen HDTVs. JVC’s engineers answer to that call was to develop a picture processing technology that would not only deliver the advantages of HD resolution, but also one that would create natural looking images with remarkable detail, pure color reproduction and precision focus no matter what the source. The result is JVC’s 5th generation of our exclusive digital image scaling technology, D.I.S.T. with GENESSA.

Our newest GENESSA chip detects and seamlessly up-scales all SD sources (480i or 480p) and all HD sources (720p or 1080i) to display at the precise resolution for each device — LCDs display at 770p and HD-ILAs display at 720p. This customized upscaling insures that no matter what the original video source, the images will look as sharp, bright and smooth as intended.

D.I.S.T. combines all of our core image processing, noise reducing and color management technologies into one communication unit within the GENESSA chip. GENESSA is the industry’s first CPU dedicated to such image processing and its accelerated 32bit “turbo” powered picture processing provides for both super fast sampling and more efficient communication between the technologies that comprise the D.I.S.T. engine.

Because all of our core technologies are able to work together and faster, JVC TVs yield incredibly fast calculations that translate to a smoother picture and a better resolution image. The next pages of this catalog will describe how each of the circuits combine within the GENESSA chip and how the D.I.S.T. process creates the stunning imagery only available from JVC high definition televisions.
**5 Point Color Management System**

Pure color reproduction makes for more natural looking images. JVC’s exclusive 5 Point Color Management System uses a unique pin-point color sampling process that produces image color purity all the time. By applying pin-point sampling to each color range, Color Management determines which colors require softening and which require toning down. The process insures that colors are never harsh or muddied but always natural and pure. Recently we’ve added a 5th axis dedicated to flesh tones so that they too always appear smooth and natural.

- **Point 1** samples greens so they appear bright and not yellowed.
- **Point 2** samples yellows so that they never appear harsh or green.
- **Point 3** samples reds so they appear fresh and don’t take on a blueish cast.
- **Point 4** samples blues so that they are not muddied by greens.
- **Point 5** samples flesh tones so they appear warm and natural.

**Motion Adaptive Dynamic Gamma Control**

A guaranteed smooth gradation of grayscales no matter how demanding the scene. Large displays can sometimes be inefficient at reproducing smooth grayscales which can cause images to become muddy and lose detail. Because of JVC’s exclusive Motion Adaptive Dynamic Gamma Control, our grayscale reproduction and dark area detailing is unrivaled in the industry. JVC’s Dynamic Gamma Control is a highly sophisticated algorithm that utilizes data from every signal level and then specifically targets only areas of highly dark image data. This targeted approach allows the entire processing power to concentrate in just those select trouble areas for a more complete analysis than a gamma control feature that applies the processing powers to the entire picture. Our Dynamic Gamma Control is always working, insuring tonal gradations are preserved, darker images are never muddied, and making certain that JVC images are the best in the industry.

**HD Range 150MHz Digital Super Detail**

Precision focus minimizes unwanted blur especially in fast motion scenes. Keeping images in focus during high action scenes is often a challenge for any television display because they are often low contrast scenes from the source. Our exclusive, state-of-the-art focusing technology, HD Range 150MHz Digital Super Detail, works to insure that images on your JVC display are always reproduced with a minimum of that inevitable and unwanted blur. Our Digital Super Detail is always on so you don’t have to think about it, and it is always working to reproduce completely focused images for both still and high action scenes alike. For fast action scenes Digital Super Detail enhances the edges of moving objects to minimize blur, even in low contrast conditions. For minimal action scenes Digital Super Detail adds a natural compensation for slow motion and eliminates edge glare from still images for a beautiful picture all the time.
Component Cross Color Elimination means crystal clear images from varying sources

As the quality of so-called “high definition” content varies, this new and advanced digital comb filter eliminates the inevitable, embedded interference that can be left within digital broadcast and component signals. By removing such interference images are clear and without defect.

Natural Cinema (3-2 Pull-Down)

When film is converted to video, a process called "Telecine" can cause jagged edges on images. This happens because film is shot at 24 to 30 frames per second and then must be converted to the NTSC standard at 60 frames per second. Natural Cinema is a sampling technology that smooths out the edges by sampling the first field, recognizing it as the first, and then duplicating it in a continuous process so it appears smooth.

Detecting and stabilizing digital video noise reduces graininess

Real time detection of noise for intelligent control and improved noise reduction provides a smoother image. This newly added filter detects noise levels in real time in moving images and controls the amount of reducing it applies. An added adaptive processor for the DVD input insures that all your video sources are noise free.

MPEG Noise Suppression

New MPEG Noise Suppression detects and reduces block noise and mosquito noise inside MPEG video including off-air digital broadcasts. Often within MPEG video there are radical steps within the gradation of sampled pixels that creates block noise. Mosquito noise tends to generate around edges of upper frequency ranges. Our new processing method is 75% more effective at reducing noise without degrading the image resolution.

Jagged edges on images are a thing of the past with our new more efficient I/P scaler

JVC’s new improved Natural Progressive takes I/P scalers to new heights. This higher performance I/P convergence technology brings total focus even in areas of fast movement and skewed lines like never before. It does so by detecting the angle of skewed lines and optimally correcting them so they appear as smooth as possible, even in complicated moving pictures.

This sort of I/P conversion is necessary because when moving from an interlaced mode to a progressive mode of scanning, additional frame and pixel sampling is needed to insure a smooth transition between frames. Our circuitry optimizes signal quality by doubling the image data in each field sampled and uses advanced 3D interpolation, considering both time and position, to display solid images without scanning lines or jagged edge noise. Ordinary sampling samples less than half the number of frames.
Making the most of the widescreen format with multi-picture views

All models in this book offer the multi screen features Twin, Index and Freeze. Twin mode lets you view two programs (one NTSC, one video) in same size windows side by side on the screen. The Swap button on the remote transfers the Twin to the Main position. Index lets you search what is on by scanning the programs consecutively in 12 separate windows. The Select button on your remote control brings you to that channel. Lastly, Freeze creates a snapshot of the screen in a separate window when you press the Freeze button.

Smart Picture Technology

By examining the brightness level of incoming image sources, Smart Picture technology compensates for scenes, frame by frame, to insure they are displayed at the perfect brightness level without sacrificing contrast and detail.

Everybody has their own preference about what is the best aspect ratio to watch videos and/or programs that appear on screen with side, or top and bottom bars. The Aspect button on the remote control lets viewers quickly scroll through the available screen filling aspect modes to select the best one for each program. In total there are seven different modes to choose from, but to make it simpler, only the appropriate mode for the incoming signal source will be displayed:

- **Panorama mode** stretches a normal 4:3 aspect to fill the 16:9 viewing area.
- **Cinema mode** "zooms in" on the center portion of a 4:3 image and expands it to fit the entire 16:9 viewing area.
- **Full mode** displays 16:9 HD signals at the perfect ratio.
- **Panorama Zoom mode** stretches HD 16:9 modes to eliminate side bars.
- **Cinema Zoom mode** expands an HD 16:9 image to eliminate the surrounding bars.
- **Regular mode** makes no adjustment to the incoming signal.
- **Slim mode** detects signal modes that are broadcast as 16:9 but are actually 4:3 and corrects them to display properly.

Smart Sensor Technology

To reduce power consumption and eye strain our LCDs feature Smart Sensor Technology. The smart sensor works by automatically adjusting the screen brightness according to ambient light levels of the room, helping to both reduce power consumption and diminish eye strain. As an added bonus, it improves picture quality because as the GENESSA chip is constantly working to detect the average levels of screen brightness, the Smart Sensor is informed to tone down brightness levels when they are determined to be too high, again saving power and easier on the eyes.

Video Status Settings w/6500K TheaterPro

The Video Status button on the remote lets you set your viewing preferences five different ways.

- **6500K**, TheaterPro mode is the standard color temperature for films.
- **Theater**, for a warm look perfect for viewing in dimly lit rooms.
- **Dynamic**, to heighten contrast and boost brightness levels for more vibrant images.
- **Game**, perfect for video game play.
- **Standard**, the factory default setting for most normal television viewing.
Complete Sound Package

Every JVC display model comes well equipped to rock the house without the need for any external audio devices.

MaxxBass® and Parametric Equalizer

Model sizes 37 inches and up come with MaxxBass® which creates the sensation of low frequencies by generating a series of harmonics designed to simulate the auditory experience. As a result, bass that otherwise could not be reproduced by conventional speakers can now be heard and enjoyed. The Parametric Equalizer adjusts sound frequency characteristics, particularly for voices.

Smart Sound

Smart Sound automatically adjusts the TV audio to compensate for sudden changes in volume.

Advanced Hyper Surround Plus+ (A.H.S.+)

A.H.S.+ creates the impression of a 3D sound field with advanced vocal processing while using only the TV’s speakers. It employs virtual speakers to electronically process stereo audio signals and manipulate the phase relationships and frequency responses for a fuller richer 3D effect.

Oblique Cone Speakers

JVC’s original bass-reflex oblique cone speakers situated on the bottom of the TV deliver sound upwards from their off-centered voice coil to reduce distortion and optimize sound quality for anyone sitting in front of the television. What’s more, 40 inch LCDs are equipped with bass reflex 4 speaker system with two oblique cones. A woofer on these models has a weighted diaphragm supported by a rubber edge, driven by a powerful magnetic circuit and 4-layer voice coil to ensure dynamic sound even in the low frequency range.

Universal Remote Control

RM-C18G

Every model in this book comes with remote control unit, RM-C18G — a key button illuminated remote control that puts all the key buttons for operating your TV, DVD, VCR, cable box or satellite receiver right at your fingertips. With direct access keys to most features, the remote is also the quick and easy way to view and change the various features described throughout this catalog.

Advanced Connectivity Packages

Every JVC HDTV display is equipped with advanced connectivity features to insure current and future compatibilities.

Built-in ATSC Tuner w/Clear QAM
A built-in ATSC tuner allows you to receive over-the-air digital terrestrial broadcasts. Clear QAM tuner allows you to receive unscrambled digital cable signals.

Dual HDMI w/HDCP Inputs
All models include dual HDMI w/HDCP Inputs for uncompressed high bandwidth digital connectivity from any HDMI compatible device.

PC Input (D-Sub 15 Pin) XGA/VGA
All models in this book are PC compatible.

Smart Video Input
This input contains Component, S-Video, and Composite jacks and will automatically detect the signal source connected to it. The Smart Input is available through Video Input-1 (on all but LT-32X667).

Auto Sensing Component Video Inputs
All models in this book contain two component video inputs for all video signals from 480i to 1080i video sources.

Additional Inputs/Outputs
Each model also contains AV inputs (three on LCD and four on HD-ILA), two S-Video Inputs. LCDs contain a headphone jack. And all models contain an Optical Digital Audio Out and a Fixed Audio Out.
Once you’ve experienced the quality of our new LCDs, you’ll find a place for one in every room …
Key Features
• 32 Inch High Resolution W-XGA (1366 x 768) LCD Display
• Contrast Ratio: 800:1 | Brightness: 500cd/m²
• 5th Generation D.I.S.T. w/GENESSA 770p
• Built-in ATSC Tuner with Clear QAM
• Exclusive 5 Point Color Management
• Motion Adaptive Dynamic Gamma Correction
• HD Range Digital Super Detail
• Natural Cinema (3-2 Pull Down)
• New Digital VNR/MPEG NR
• Smart Sensor
• Smart Picture Technology
• 3D Y/C Comb Filter w/Cross Color Elimination
• 7 Selectable Aspect Modes
• Split POP with Twin, Index, and Freeze
• Turn On Volume & Volume Limit

Sound Features
• Advanced Hyper Surround Plus (A.H.S.+)
• Advanced Tone Correction (ATC)
• Smart Sound
• 5.5 cm x 15 cm Oblique Cone Speakers x 2
• 10W + 10W Total Audio Power

Connection Features
• 2 HDMI w/HDCP
• 1 PC Input (D-Sub 15 Pin as Input-3)
• 2 Auto Sensing Component Video Inputs
• 2 S-Video Inputs
• 3 AV Inputs
• 1 Optical Digital Audio Output
• 1 Fixed Audio Output
• 1 Headphone Mini Jack

Standard Features
Table Top Stand Included • 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic) • High Contrast Graphic
Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu
Key Features
- 32 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 800:1 | Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Sensor
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

Sound Features
- Advanced Hyper Surround Plus (A.H.S. +)
- Advanced Tone Correction (ATC)
- Smart Sound
- 5.5 cm x 15cm Oblique Cone Speakers x 2
- 10W + 10W Total Audio Power

Connection Features
- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
- 1 Smart Video Input (as Input-1)
- 2 Auto Sensing Component Video Inputs
- 2 S-Video Inputs
- 3 AV Inputs
- 1 Optical Digital Audio Output
- 1 Fixed Audio Output
- 1 Headphone Mini Jack

Standard Features
- Table Top Stand Included
- 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
- High Contrast Graphic Trilingual OSDs
- Auto Demo
- Favorite Channel Memory
- Smart Captions
- Channel Label/Video Input Label
- Universal Remote
- 10 Minute Auto Shutoff
- Front Panel Lock
- XDS ID Display & Auto Clock Set
- On/Off Timer w/On-Timer Volume Setup
- Hyper Scan
- Return+
- V-Chip & Channel Guard

This model is not available in Canada.
Key Features
- 32 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 800:1 | Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Sensor
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

Sound Features
- Advanced Hyper Surround Plus (A.H.S.+)
- Advanced Tone Correction (ATC)
- Smart Sound
- 5.5 cm x 15 cm Oblique Cone Speakers x 2
- 10W + 10W Total Audio Power

Connection Features
- 2 HDMI w/HDCP
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- 2 S-Video Inputs
- 3 AV Inputs
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- 1 Fixed Audio Output
- 1 Headphone Mini Jack

Standard Features
Table Top Stand Included • 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic) • High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu
**Key Features**
- 37 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 1200:1 | Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Sensor
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

**Sound Features**
- MaxxBass®
- Advanced Hyper Surround Plus (A.H.S.+)
- Advanced Tone Correction (ATC)
- Smart Sound
- 4 cm x 16 cm Twin Oblique Cone Speakers x 2
- 10W + 10W Total Audio Power

**Connection Features**
- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
- 1 Smart Video Input (as Input-1)
- 2 Auto Sensing Component Video Inputs
- 2 S-Video Inputs
- 3 AV Inputs
- 1 Optical Digital Audio Output
- 1 Fixed Audio Output
- 1 Headphone Mini Jack

**Standard Features**
Table Top Stand Included • 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic) • High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu
**Key Features**

- 37 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 1200:1 | Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Sensor
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

**Sound Features**

- MaxxBass®
- Advanced Hyper Surround Plus (A.H.S.+)
- Advanced Tone Correction (ATC)
- Smart Sound
- 4 cm x 16 cm Twin Oblique Cone Speakers x 2
- 10W + 10W Total Audio Power

**Connection Features**

- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
- 1 Smart Video Input (as Input-1)
- 2 Auto Sensing Component Video Inputs
- 2 S-Video Inputs
- 3 AV Inputs
- 1 Optical Digital Audio Output
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**Standard Features**

- Table Top Stand Included • 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic) • High Contrast Graphic
- Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu
With a new 37 inch high definition LCD, you will definitely spend more family time in the family room...
Key Features
• 40 Inch High Resolution W-XGA (1366 x 768) LCD Display
• Contrast Ratio: 1200:1 | Brightness: 500cd/m²
• 5th Generation D.I.S.T. w/GENESSA 770p
• Built-in ATSC Tuner with Clear QAM
• Exclusive 5 Point Color Management
• Motion Adaptive Dynamic Gamma Correction
• HD Range Digital Super Detail
• Natural Cinema (3–2 Pull Down)
• New Digital VNR/MPEG NR
• Smart Sensor
• Smart Picture Technology
• 3D Y/C Comb Filter w/Cross Color Elimination
• 7 Selectable Aspect Modes
• Split POP with Twin, Index, and Freeze
• Turn On Volume & Volume Limit

Sound Features
• MaxxBass®
• Advanced Hyper Surround Plus (A.H.S.+)
• Advanced Tone Correction (ATC)
• Smart Sound
• 6.6 cm Oblique Cone Speakers x 2 and Woofers x 2
• 10W + 10W Total Audio Power

Connection Features
• 2 HDMI w/HDCP
• 1 PC Input (D-Sub 15 Pin as Input-3)
• 1 Smart Video Input (as Input-1)
• 2 Auto Sensing Component Video Inputs
• 2 S-Video Inputs
• 3 AV Inputs
• 1 Optical Digital Audio Output
• 1 Fixed Audio Output
• 1 Headphone Mini Jack

Standard Features
Included Stand Allows Monitor to Swivel 20° • 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic) • High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label
• Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock
• XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard
• Interactive Plug In Menu

This model is not available in Canada.
**Key Features**
- 40 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 1200:1  |  Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Picture Technology
- Smart Sensor
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- 6.6 cm Oblique Cone Speakers x 2 and Woofers x 2
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- Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock
- XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard
- Interactive Plug In Menu

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- 40 Inch High Resolution W-XGA (1366 x 768) LCD Display
- Contrast Ratio: 1200:1 | Brightness: 500cd/m²
- 5th Generation D.I.S.T. w/GENESSA 770p
- Built-in ATSC Tuner with Clear QAM
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Picture Technology
- Smart Sensor
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

**Sound Features**
- MaxxBass®
- Advanced Hyper Surround Plus (A.H.S.+)
- Advanced Tone Correction (ATC)
- Smart Sound
- 6.6 cm Oblique Cone Speakers x 2 and Woofers x 2
- 10W + 10W Total Audio Power

**Connection Features**
- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
- 1 Smart Video Input (as Input-1)
- 2 Auto Sensing Component Video Inputs
- 2 S-Video Inputs
- 3 AV Inputs
- 1 Optical Digital Audio Output
- 1 Fixed Audio Output
- 1 Headphone Mini Jack

**Standard Features**
- Included Stand Allows Monitor to Swivel 20º
- 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
- High Contrast Graphic Trilingual OSDs
- Auto Demo
- Favorite Channel Memory
- Smart Captions
- Channel Label/Video Input Label
- Universal Remote
- 10 Minute Auto Shutoff
- Front Panel Lock
- XDS ID Display & Auto Clock Set
- On/Off Timer w/On-Timer
- Volume Setup
- Hyper Scan
- Return+
- V-Chip & Channel Guard
- Interactive Plug In Menu
Exclusive to JVC in the microdisplay category is HD-ILA — a reflective 3-chip proprietary LCOS system used by the highly regarded professional projector device known as D-ILA (Direct-drive Image Light Amplifier). Because of its unique structure, the sophisticated D-ILA system offers many advantages over the other microdisplay categories DLP and rear projection LCD:

- D-ILA yields the best available brightness capability because of each chip’s high aperture ratio capacity
- Images from 3-chip LCOS are free of screen door and rainbow effects
- HD-ILA televisions are resistant to burn-in issues from static images
- D-ILA chips contain an inorganic alignment layer that stabilizes device performance and longevity
- HD-ILA televisions have a user-replaceable lamp

The most advanced form of LCOS available, 3-chip D-ILA provides stunning, film-like images

JVC pioneered the use of LCOS technology as we became the leading supplier of professional grade LCOS projectors in the world. For the past several years our engineers have been dedicated to bringing D-ILA’s patented 3-chip, vertically oriented LCOS based microchip system into the consumer home theater category. The result of those efforts is the HD-ILA brand TV — the most unique, high performance microdisplay technology on the market today.

The first advantage of D-ILA comes from the unique device structure itself. The system is composed of three 1280 x 720 pixel microchips, one for each RGB color — Red, Green and Blue. Each chip yields close to 1 million pixels which results in a seamless high resolution image with natural and pure color reproduction.

Superior HD-ILA images will never fall prey to the Screen Door or Rainbow Effects

With nearly 1 million pixels per chip (0.92 million), it’s no wonder that HD-ILA images are seamless, but it’s not the pixel count alone that makes the picture so pure, it’s the pixel structure and 3-chip design.

In the first case the key is that each D-ILA chip requires virtually no space between pixels to allow for moving parts (such as for DLP micro mirrors) or transistors and wires (such as for some rear projection LCD). This seamless pixel structure means there will never be shadowing known as the “screen door effect”.

Secondly, the 3-chip design means HD-ILA images will never succumb to the “rainbow effect” or flashing of colors that result from using a single chip or color wheel technology.

The Unique 3-chip D-ILA Device

No Screen Door or Rainbow Effects
The fusion of the D-ILA elements offers distinct advantages
The following components make up the color reproduction portion of the D-ILA system:

- First, the user replaceable high power lamp projects the light that brings about the brightest TV image available on the market today.
- Then, the unique custom lens assembly, which consists of 11 separate glass components and an aspheric resin coated lens, ensures the focus of all imagery is precise and without distortion no matter how complicated the scene. Multi-layered, anti-reflective coatings on each element minimize internal reflections and allow for crystal clear, natural image reproduction.
- Finally, the light reflected off of each color chip is directed through a custom prism assembly that recreates all the colors of the spectrum for a beautiful picture.

Dynamic Mode.
Dynamic Mode provides a bright, vibrant image. The Optical Iris shutter is open 100% with the contrast ratio normal. The brightness priority of this mode is over 500cd. This mode is perfect when you feel the mood of the original video should be more vibrant.

Aperture ratio: 100%

Standard Mode.
Standard mode is a suitable setting for most programs and videos. In Standard mode, the Optical Iris shutter remains open 75% and the contrast ratio is twice that of Dynamic.

Aperture ratio: 75%

Theater Mode.
Theater mode sets the ambiance of the video or program to that of original films. For this mode the Optical Iris shutter is at 50% and the contrast ratio is 4 times greater than in Dynamic mode. Perfect for viewing movies and classics.

Aperture ratio: 50%

The perfect complement to any sized HD-ILA model in this book is the optional matching stand, RK-CILAM7. This new stand is stylish and functional with a swivel base to adjust the angle your TV, and two contoured shelves for your components, one matching black wood and one smoked glass. For weight and measurements, see the specifications chart on page 29.
**Key Features**
- 52 Inch High Resolution HD-ILA Display
- 5th Generation D.I.S.T. w/GENESSA 720p
- Built-in ATSC Tuner with Clear QAM
- “Super Cinema” 3 Point Optical Iris
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3–2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

**Sound Features**
- MaxxBass®
- Advanced Hyper Surround Plus (A.H.S. +)
- Advanced Tone Correction (ATC)
- Smart Sound
- 10W + 10W Total Audio Power
- Bass Reflex

**Connection Features**
- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
- 1 Smart Video Input (as Input-1)
- 2 Auto Sensing Component Video Input
- 2 S-Video Inputs
- 4 AV Inputs
- 1 Optical Digital Audio Output
- 1 Fixed Audio Output

**Standard Features**
- 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
- High Contrast Graphic Trilingual OSDs
- Auto Demo
- Favorite Channel Memory
- Smart Captions
- Channel Label/Video Input Label
- Universal Remote
- 10 Minute Auto Shutoff
- Front Panel Lock
- XDS ID Display & Auto Clock Set
- On/Off Timer w/On-Timer Volume Setup
- Hyper Scan
- Return+
- V-Chip & Channel Guard
- Interactive Plug In Menu
**Key Features**
- 52 Inch High Resolution HD-ILA Display
- 5th Generation D.I.S.T. w/GENESSA 720p
- Built-In ATSC Tuner with Clear QAM
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**Standard Features**
- 5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
- High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu

This model is not available in Canada.
**Key Features**
- 56 Inch High Resolution HD-ILA Display
- 5th Generation D.I.S.T. w/GENESSA 720p
- Built-in ATSC Tuner with Clear QAM
- “Super Cinema” 3 Point Optical Iris
- Exclusive 5 Point Color Management
- Motion Adaptive Dynamic Gamma Correction
- HD Range Digital Super Detail
- Natural Cinema (3-2 Pull Down)
- New Digital VNR/MPEG NR
- Smart Picture Technology
- 3D Y/C Comb Filter w/Cross Color Elimination
- 7 Selectable Aspect Modes
- Split POP with Twin, Index, and Freeze
- Turn On Volume & Volume Limit

**Sound Features**
- MaxxBass®
- Advanced Hyper Surround Plus (A.H.S.+)
- Advanced Tone Correction (ATC)
- Smart Sound
- 10W + 10W Total Audio Power
- Bass Reflex

**Connection Features**
- 2 HDMI w/HDCP
- 1 PC Input (D-Sub 15 Pin as Input-3)
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- 2 S-Video Inputs
- 4 AV Inputs
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- 1 Fixed Audio Output

**Standard Features**
- 5 Video Status Settings (6500K/Standard/Theater/Dynamic)
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Key Features
• 56 Inch High Resolution HD-ILA Display
• 5th Generation D.I.S.T. w/GENESSA 720p
• Built-in ATSC Tuner with Clear QAM
• “Super Cinema” 3 Point Optical Iris
• Exclusive 5 Point Color Management
• Motion Adaptive Dynamic Gamma Correction
• HD Range Digital Super Detail
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• New Digital VNR/MPEG NR
• Smart Picture Technology
• 3D Y/C Comb Filter w/Cross Color Elimination
• 7 Selectable Aspect Modes
• Split POP with Twin, Index, and Freeze
• Turn On Volume & Volume Limit

Sound Features
• MaxxBass®
• Advanced Hyper Surround Plus (A.H.S.+)
• Advanced Tone Correction (ATC)
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• 10W + 10W Total Audio Power
• Bass Reflex

Connection Features
• 2 HDMI w/HDCP
• 1 PC Input (D-Sub 15 Pin as Input-3)
• 1 Smart Video Input (as Input-1)
• 2 Auto Sensing Component Video Input
• 2 S-Video Inputs
• 4 AV Inputs
• 1 Optical Digital Audio Output
• 1 Fixed Audio Output

Standard Features
5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
• High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite
• Channel Memory • Smart Captions • Channel Label/Video Input
• Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel
• Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer
• Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard •
• Interactive Plug In Menu

This model is not available in Canada.
Key Features
• 61 Inch High Resolution HD-ILA Display
• 5th Generation D.I.S.T. w/GENESSA 720p
• Built-in ATSC Tuner with Clear QAM
• “Super Cinema” 3 Point Optical Iris
• Exclusive 5 Point Color Management
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• HD Range Digital Super Detail
• Natural Cinema (3-2 Pull Down)
• New Digital VNR/MPEG NR
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• 7 Selectable Aspect Modes
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Sound Features
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• Advanced Hyper Surround Plus (A.H.S.+)
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Connection Features
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• 1 Smart Video Input (as Input-1)
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• 2 S-Video Inputs
• 4 AV Inputs
• 1 Optical Digital Audio Output
• 1 Fixed Audio Output

Standard Features
5 Video Status Settings (6500K/Standard/Game/Theater/Dynamic)
• High Contrast Graphic Trilingual OSDs • Auto Demo • Favorite Channel Memory • Smart Captions • Channel Label/Video Input Label • Universal Remote • 10 Minute Auto Shutoff • Front Panel Lock • XDS ID Display & Auto Clock Set • On/Off Timer w/On-Timer Volume Setup • Hyper Scan • Return+ • V-Chip & Channel Guard • Interactive Plug In Menu
Key Features
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• 5th Generation D.I.S.T. w/GENESSA 720p
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• Advanced Tone Correction (ATC)
• Smart Sound
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Connection Features
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• 2 S-Video Inputs
• 4 AV Inputs
• 1 Optical Digital Audio Output
• 1 Fixed Audio Output

Standard Features
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This model is not available in Canada.
## LCD Specifications

<table>
<thead>
<tr>
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<td>Yes</td>
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<td>Yes</td>
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<td>13 x 21 x 5/8&quot;</td>
<td>13 x 21 x 5/8&quot;</td>
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<td>800 x 545 x 138</td>
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<td>13 x 23 x 10 1/8&quot;</td>
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**LCD Specific Notes:**
- All LCD models accept 480i, 480p, 720p, and 1080i signals and display at 770p.
- All LCD models are VESA compliant for wall mounting.

* Models not available in Canada.
## HD-ILA Specifications

<table>
<thead>
<tr>
<th>Features</th>
<th>Models</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>HD-52G787</td>
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<tr>
<td>Diagonal Screen Size</td>
<td>52&quot; Wide (HD-ILA)</td>
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<tr>
<td>Cabinet Color</td>
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<tr>
<td>Super Cinema 3 Step Optical Iris</td>
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<td>A.S.C. Tuner Built-in w/QAM</td>
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<tr>
<td>5th Gen. D.I.S.T. w/GENESSA</td>
<td>Yes (720p)</td>
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<td>Digital VNR/MPEG NR</td>
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<td>5 Point Color Management</td>
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<td>Dynamic Gamma</td>
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<td>Natural Cinema</td>
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<td>Sound Features</td>
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</tr>
<tr>
<td>MaxxBass</td>
<td>Yes</td>
</tr>
<tr>
<td>A.H.S. + and ATC</td>
<td>Yes</td>
</tr>
<tr>
<td>Total Audio Power</td>
<td>20W</td>
</tr>
<tr>
<td>Speakers</td>
<td>10cm x 2</td>
</tr>
<tr>
<td>Inputs &amp; Outputs</td>
<td></td>
</tr>
<tr>
<td>Dual HDMI w/HDCP</td>
<td>Yes</td>
</tr>
<tr>
<td>PC Input (D-Sub 15 Pin)</td>
<td>Yes (XGA/VGA)</td>
</tr>
<tr>
<td>Smart Video Input</td>
<td>Yes (as Input 1)</td>
</tr>
<tr>
<td>Component Video Inputs</td>
<td>2</td>
</tr>
<tr>
<td>Composite &amp; S-Video Inputs</td>
<td>4 AV (1 set on side) / 2 S</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1 (Fixed)</td>
</tr>
<tr>
<td>Optical Digital Audio Output</td>
<td>1</td>
</tr>
<tr>
<td>Specifications</td>
<td></td>
</tr>
<tr>
<td>TV Dimensions (WxHxD) inches</td>
<td>48 1/2 x 35 1/2 x 16 1/2</td>
</tr>
<tr>
<td>TV Dimensions (WxHxD) mm</td>
<td>1229 x 911 x 415</td>
</tr>
<tr>
<td>TV Approx. Weight</td>
<td>84 lbs. / 38 kg.</td>
</tr>
<tr>
<td>Energy Star Compliant</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Notes:
- Specifications are tentative and subject to change without notice.
- All HD-ILA models accept 480i, 480p, 720p, and 1080i signals and display at 720p.
- The PC Input is 15 Pin D-Sub type and is compatible with XGA (1024 x 768) and VGA (640 x 480) signals both at 60 Hz.
- Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.
- HDMI is a trademark of HDMI Licensing L.L.C.
- DLP is a trademark of Texas Instruments Inc.
- MaxxBass® is a registered trademark of Waves Audio Ltd. in the USA, Japan and other countries.
- All images in this catalog are simulated to show effect.

Optional RK-CILAM7 Stand Specifications (USA Only)

| Dimensions (WxHxD) inches | 57 1/8 x 19 1/4 |
| Approx. Weight (lbs.) | 89 |
Glossary of terms

3D Y/C Digital Comb Filter w/Cross Color Elimination
As the quality of so called “high definition” content varies, this filter eliminates embedded interference by removing cross color/dot interference that can remain inside the digital broadcasting or component signals.

5th Generation D.I.S.T. w/GENESSA
Exclusive image processor that detects and seamlessly up-scales any video source to display at the optimal resolution. LCD panels display at 770p and HD-ILA panels display at 720p.

5 Point Color Management System
Color Management compensates for color range limitations and insures JVC colors are reproduced with dimension and vivid detail with a 5th axis dedicated to flesh tone color sampling.

5 Video Status Settings
Set the color temperature to suit your tastes with 6500K/Standard/Theater/Game/Theater/and Dynamic modes.

7 Aspect Modes w/EZ Fill
Selectable aspect modes let you set the aspect ratio of what you are watching to suit your tastes. Standard signal modes include Regular/Panorama/Cinema/Full HD signal modes include Full/Cinema Zoom/panorama Zoom.

6500K TheaterPro Technology
6500K TheaterPro brings the color temperature of your DVDs back to the original color temperature that the video editors intended for them.

Advanced Hyper Surround Sound Plus (A.H.S.+)
A.H.S.+ creates the impression of a 3D sound field with advanced vocal processing while using only the TV’s speakers. It employs virtual speakers to electronically process stereo audio signals and manipulate the phase relationships and frequency responses for a fuller richer 3D effect.

Advanced Natural Progressive
Pixel sampling technology that eliminates jagged edge noise and image trails so solid images appear without scanning lines.

Advanced Tone Correction (ATC)
By adjusting specific frequencies, JVC’s new ATC reproduces sound that is clear and pure.

ATSC Digital Tuner (Built-in)
A built-in ATSC tuner will receive over-the-air digital terrestrial broadcasts without the need for a set top box.

Channel Label/Video Input Label
Choose from a preset list or make up your own channel names for TV stations and video inputs.

Clear QAM
The Clear QAM tuner allows you to receive unscrambled digital cable signals.

D-ILA (Direct Drive Image Light Amplifier)
JVC exclusive three color (1280 x 720) LCOS based chip technology that provides HD-ILA brand TVs with superior high contrast, flicker-free images.

Favorite Channel Memory
This new feature allows you to register up to 24 channels as favorites. The system keeps them in a list accessible from the “Favorite” button on the remote control.

Hyper Scan High Speed Channel Change
Press and hold the Hyper Scan button for blazingly fast consecutive channel changing.

HDMI w/HDCP Digital Video Input
Allows for uncompressed, high bandwidth digital connectivity from compatible devices.

HD Range Digital Super Detail Circuitry
Circuitry that keeps the picture completely focused for both still and highly active images.

Interactive Plug In Menu
This interactive menu system turns on automatically the first time you turn on the TV and prompts you to select your default menu settings.

MaxxBass®
As cabinet designs become smaller, the available space for larger speakers is diminished. MaxxBass compensates for this by improving the bass response of these smaller speakers (MaxxBass is a registered trademark of Waves Audio Ltd. in the USA, Japan and other countries.)

Motion Adaptive Dynamic Gamma Correction
DGC utilizes data from every signal level to insure that tonal gradations are preserved in dark areas making sure images never appear muddled.

Multi-Screen Twin, Index & Freeze Features
Lets you make the most of the widescreen design by allowing for the splitting of the screen (Twin mode), Indexing of current programming, and Freezing a window.

Natural Cinema (3–2 Pull Down)
Minimizes “Telecine” or jagged edges on software converted from film to video.

Oblique Cone Speakers
Designed with the voice coil off-axis, Oblique Cone Speakers project sound upwards toward the viewer for better sound dispersion.

On/Off Timer w/On-Timer Volume Setup
Use it as a decay when you’re out of the house, or as an alarm clock. This timer feature lets you set your TV to turn on and off at a specific time and set volume level.

PC Input as Input-3 (D-Sub 15 pin)
The PC Input, available on all models in this catalog, allows you to use your television as a monitor for your PC.

Return+
The Return+ feature lets you set a channel to be returned to after channel surfing. Ordinary Return brings you back to the last channel viewed.

Sleep Timer
Fall asleep to your favorite shows with the Sleep Timer set to turn the TV off for you (timer range is in 15 minute intervals from 15 to 180 minutes).

Smart Captions
Closed captions turn on automatically when you press the Muting button on your TV remote.

Smart Input
Input 1 contains Component, S-Video, and Composite jacks that are so smart they automatically detect the signal source connected to them. Connect all your components to an AV Receiver connected to Input 1 and your TV will respond accordingly for all devices.

Smart Picture Technology
Examines the brightness level of incoming image sources and compensates for scenes, frame by frame, to insure they are displayed at the perfect brightness level without sacrificing contrast and detail.

Smart Sensor
This environmentally friendly feature reduces power consumption and eye strain by automatically adjusting screen brightness levels.

Smart Sound
Automatically adjusts the TV audio to compensate for sudden changes in volume.

Split POP with Twin, Index & Freeze Features
Lets you make the most of the widescreen design by allowing for the splitting of the screen (Twin mode), Indexing of current programming, and Freezing a window.

Turn On Volume
This feature allows you to set a specific volume level for each time you turn on the TV.

Volume Limit
This feature allows you to set a limit so that the TV volume cannot accidentally be set too high.

XDS ID Display & Auto Clock Set
Automatic detection and setting of channel IDs and date and time data.
Don’t compromise what to watch, compromise where to watch it — get them their own LCD!