JVC

HD Memory Camera
GC-PX100

THE NEXT LEVEL.

Procision™

www.jvc-asia.com www.jvc-me.com

THE CHARISMA OF A PRO IN COMPACT DIMENSIONS.

If you're driven to perform, you need a camcorder that can keep pace. Shoot at the speed you need, from high-speed 500fps to time-lapse recording, and count on advanced imaging technologies to put pro-type pristine images in your grasp.

Progressive Full HD 1920x1080/50p Image with 36Mbps Processing

Full HD 1920x1080 1080/50P Rec

Procision GC-PX100 records video at Full HD 1920x1080, but that's just part of the story. Progressive video means that each individual frame is a complete, high-resolution picture unlike interlace. And to ensure maximum quality down to each pixel, Procision uses extremely fast 36Mbps image processing for precise image capture based on larger amounts of visual information. The result is sharply reproduced images at any speed, unlike what you'd expect from a conventional handheld camcorder. What's more, you can even take 2.1M still images while recording video.

36Mbps progressive video

Conventional interlace video

Multi Codec Ready with AVCHD, MPEG-4 and MOV Support

Procision GC-PX100 allows you to record in AVCHD 2.0-compliant video, as well as MPEG-4 and .MOV formats, including iFrame compatible 720p. This selection virtually assures compatibility with your preferred codec, in a variety of usage and workflow scenarios. Although not very prevalent, JVC provides .MOV format recording for highest quality in certain post-production usages as its audio is recorded in non-compressed Linear PCM.

1/2.3" 12.8M Back-Illuminated CMOS Sensor

Procision GC-PX100 uses a 1/2.3" 12.8 Megapixel Back-illuminated CMOS sensor — a type of CMOS that effectively avoids the loss of incoming light because its circuitry is moved to a layer behind the photo diodes. This increased visual information is captured by 12.8M-pixels to provide a high-quality, high-resolution picture filled with presence and detail, making it an ideal image source for a variety of applications.

10x Optical Zoom with Optical Image Stabiliser

O.I.S.

Zoom in for close-ups with full optical quality maintained. Get tight shots without any sacrifice in Full HD resolution. And in instances where extra zoom power is needed, Procision GC-PX100 can magnify up to 19x at 720p resolution using Dynamic Zoom technology. And to avoid a jittery picture even when your hand isn't absolutely steady, Procision GC-PX100 offers Optical Image Stabiliser (O.I.S.) to provide effective results over the entire zoom range.

Bright and Fast F1.2 GT Lens for Super LoLux Performance

F1.2 BRIGHT LENS GT LENS Super LoLux

The "eye" of the Procision GC-PX100 is an extremely bright F1.2 lens featuring high quality GT optics developed for maximum affinity with the CMOS image sensor. The ample aperture takes in plenty of light to maintain a bright image even when shooting in indoor situations where ambient lighting is not ideal.

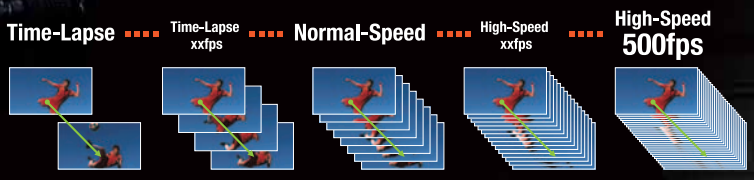
20M High Quality Stills

Procision GC-PX100 is not a video-only camera, as it enables you to also record still images with up to 20M-pixel resolution in Ultra Resolution mode. You can travel lighter than carrying separate video and still cameras, and since you're not operating two cameras independently you're less likely to miss a shot.

Time Control to Flexibly Capture Any Scene

Procision GC-PX100 is equipped with a Time Control Function that lets you flexibly select and change the recording speed by turning a single dial next to the lens. With easy access, you can go from high-speed at 500 frames per second (fps), to Time-Lapse at 1 frame per 80 seconds. You get total control over the time factor, and best of all, it's so easy and intuitive you'll master it in no time.

Since settings can be changed with intuitive controls, you will never miss that important moment.



Zoom Position Memory for Quickly Optimised Framing

Instantly zooming in to full telephoto, zooming out to full wide, or zooming to an intermediate position you've preset for the camera, is as easy as tapping 1, 2 or 3 on the LCD screen. With speed and precision, you can zoom from a full field view, to just the action on the front line, then to a tight shot of a goal being scored.

Full Field

Mid Field

Close Up

High-Speed Recording for a Variety of Situations

Procision GC-PX100 gives you the ability to shoot high-speed video for slow motion viewing. Choose from 100fps, 200fps and 250fps at 640 x 360 resolution, as well as 400fps and 500fps at 320 x 176 resolution. When shooting sports or other active scenes, you can select the appropriate speed to allow for later analysis.

THE POWER TO OUTPERFORM WITH PRECISION ANALYSIS.

For those who need high performance and the results to show for it, this camera definitely makes the cut — with Wi-Fi and the analytical tools you need to improve your game or bring out the best in any athlete.

Clear and Smooth Slow Motion Playback

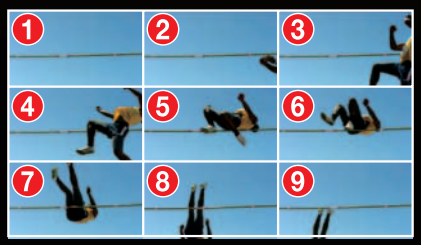
Since Procision GC-PX100 records progressive video at a high data rate of 36Mbps, each individual frame is a high quality still picture. Compared to ordinary slows, the motion is smooth and fluid, and the images are blur free to facilitate analysis. This can be an invaluable tool in spotting minute errors in an athlete's form, and can help everyone from the promising novice to the star player to improve their game.

Progressive video

Ordinary (Interlace) video

Extract 9 Consecutive Stills from Video

Procision GC-PX100 lets you grab bursts of 9 still images from video at the touch of a button, similar to the motor drive on an SLR still camera. These can be output in the form of 9 individual full-size images, or a single image containing 9 index photos in it, so you can choose the style that best suits your needs.



Tagging Function for Quick Return to Important Scenes

While in the field recording, or while watching recorded footage, you can tag scenes you'll want to view again later by pressing a button. The tagging function writes in an index mark in the recorded data that you can instantly jump to at any time.

MediaBrowser for Editing and Sharing of Videos

The MediaBrowser SE for JVC software supplied with Procision GC-PX100 provides an intuitive way to manage your recordings as well as get creative with simple drag-and-drop timeline based editing. After viewing raw footage, you can easily annotate and upload it to a social network for limited or global viewing.

File Transfer via Wi-Fi for Tablet Playback

Procision GC-PX100 is equipped with built-in Wi-Fi connectivity, so you can wirelessly transfer video data to a tablet device for in-hand viewing. That means you can leave the camcorder in a fixed position such as mounted on a tripod while reviewing the footage on a large screen. If you're a coach, you can look over the results in the field, and discuss your findings with your team immediately and effectively.

JVC CAM Coach App for More Effective Coaching

The ultimate assistant coach that every coach has dreamed of is right here in this freely downloadable app. By installing it on your iPad or Android tablet (available in May 2013), you can transfer videos from the camcorder via ad-hoc wireless network and then draw onto the tablet's playback screen using the app's Coaching Board function. It will help coaches to visually illustrate a play formation or point out areas where an athlete needs to improve.

JVC CAM Coach (Free app)

*** Special thanks to Ryan Vogelsong and his alma mater, Kutztown University.**

Simultaneous Playback Function

Another feature of the JVC CAM Coach app is the Simultaneous Playback function, which enables two videos (already transferred to the tablet) to be viewed side-by-side simultaneously. Immediate comparison will help you spot inconsistencies in the same athlete's form over time, or analyse differences between two athletes to find way to improve performance.

Scoring Function to Keep On Top of the Game

Based on index marking technology, this function lets you use your smartphone to keep a running tally of the score of a game in progress while you record it on Procision GC-PX100. Freely downloadable apps will be provided with scoring templates to accommodate a variety of sports, including those with games and/or sets within a match, or different point values for different types of plays. Each tap on your smartphone will input the corresponding number of points to keep you on top of the game.

DETAILS DESTINED TO GIVE YOU THE ADVANTAGE.

Easy Access Design for Battery/ Memory Card Replacement

Tiltable 3.0" LCD Monitor with Folding Hood

Touch panel screen makes using Procision easy and intuitive. The articulated screen allows low-angle shots, self-portraits, and easy viewing by more than one person. Supplied with folding hood to reduce glare while outdoors.

Provided Accessories

- AC Adapter
- Rechargeable Battery Pack
- Viewfinder
- AV Cable
- USB Cable
- HDMI™ Cable
- Shoulder Strap
- Lens Cap
- Lens Hood
- LCD Monitor Hood
- Software CD-ROM

Optional Accessories

Data Battery BN-VF815

- 7.2V, 1460mAh
- Continuous operation time: approx. 2 hours (When the monitor backlight is set to Standard mode.)

Battery Charger AA-VF8

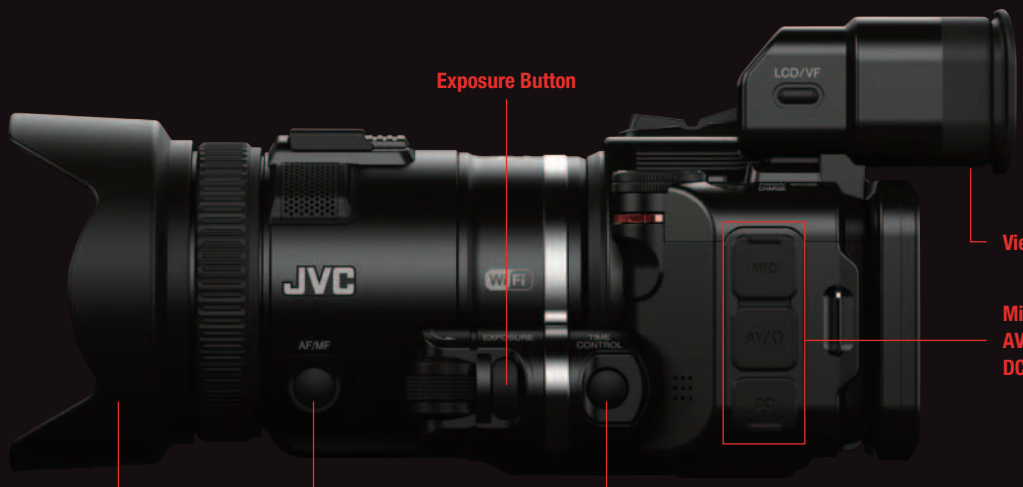
- Compact stand-alone charger for Data Battery

Attention:

This product includes patented and other proprietary technology and is made to be used with the JVC Data Battery and not with other batteries. JVC cannot guarantee safety or performance of this product when it is operated by other batteries. For additional information about JVC Data Battery, please contact an authorised JVC dealer in your country.

Note: Not all accessories available in every region. Please check with your dealer.

New innovations in design help to make videography more responsive and effective, while maintaining a familiar hand-held form factor that requires no learning. The perfect collaboration of what's new and what's true.



Stereo Microphone MZ-V10

- Plug-in power
- Wind muff, extension cable (30cm) provided

HDMI™ Cable VX-HD315F

- HDMI™ – HDMI™ mini cable, 1.5m

Free apps available for smartphones/tablets (Android & iOS)

You can download apps from Google Play (for Android) or from App Store (for iPhone/iPod touch/iPad).

Wireless Sync.
(for smartphones/tablets)

- For Android phone/tablet with version 2.3 or later
- For iPhone/iPod touch/iPad with iOS5.1 or later

JVC CAM Coach
(for tablets only)

- For Android tablet with version 4.2 or later, available in May 2013
- For iPad with iOS6.0 or later

Note: Above information is not a guarantee that all devices using those operating systems can use these application features.

Specifications

SYSTEM	
Storage Media	SDXC/SDHC/SD Memory Card* (not provided)
Format	[MOV] Video: MPEG-4 AVC/H.264, Audio (2ch): LPCM [MP4] Video: MPEG-4 AVC/H.264, Audio (2ch): AAC [iFrame] Video: MPEG-4 AVC/H.264, Audio (2ch): AAC [AVCHD] Video : MPEG-4 AVC/H.264, Audio (2ch): Dolby Digital
CAMERA / LCD	
Image Sensor	1/2.3-inch 12.8M Back-illuminated CMOS
Lens	JVC HD GT LENS, F1.2, 29.5mm Wide
Filter Diameter	46.0mm
Zoom Ratios	Optical: 10x Digital: 64x (max.) Dynamic: 19x (In 720p mode)
Camera Shake Compensation	Optical Image Stabiliser (O.I.S.) and Advanced Image Stabiliser (A.I.S.)
LCD	Tiltable 460K-pixel 3.0-inch wide, touch panel operation
RECORDER	
Video Recording Modes	MOV: 1920x1080/50p, 40Mbps (Video: 36Mbps, Audio: 4Mbps) MP4: 1920x1080/50p, 36Mbps / 1280x720/50p, 16Mbps iFrame: 1280x720/25p, 36Mbps AVCHD Progressive: 1920x1080/50p, 28Mbps AVCHD: 1920x1080/50i, 17Mbps/5Mbps MP4 (High Speed) 100/200/250fps: 640x360, 400/500fps: 320x176
Still Image Sizes	[4:3] 5184x3888 (Ultra Resolution) / 2816x2112 / 2048x1536 / 640x480 [16:9] 1920x1080 [Stills in Video Mode (16:9)] 1920x1080 / 1280x720
INTERFACES	
Terminals	HDMI™ Out (Mini), AV/Headphone Out, USB2.0, Mic In (Plug-in power), DC In
Others	Accessory Shoe for external Mic, light, etc. Hot Shoe for electronic viewfinder
GENERAL	
Power Consumption	Approx. 4.4W
Dimensions (WxHxL)	110mm x 76mm x 183mm with lens hood, without viewfinder
Weight	500g without battery and viewfinder, 625g with battery and viewfinder

* To record video, SDHC/SDXC card with Class 4 or higher performance is required. For MOV/MP4 1080p/iFrame/AVCHD 50p mode, please use Class 6 or higher (Class 10 recommended). Digital stills can be recorded on SD, SDHC or SDXC cards. SD memory cards (256MB to 2GB), SDHC memory cards (4GB to 32GB) and SDXC memory cards (48GB to 128GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk. UHS Speed Class is not supported, but UHS-I SDHC/SDXC cards can be used in the same manner as standard SDHC/SDXC cards. Note that using other media may result in recording failure or data loss. For compatibility of memory cards, please consult an authorised JVC dealer.

Mobile User Guide

Now you can check the instructions on the spot with your smartphone!

1. Access the site via URL or QR code.
2. Change display language if necessary.
3. Choose item of interest. Site is optimised for viewing on smartphones.

Recording times for each mode and number of storable still images (approx.)

Video

Mode		SDXC/SDHC Card 128GB	64GB	32GB	16GB
MOV	1920x1080/50p	7hr	3hr 30min	1hr 40min	50min
MP4	1920x1080/50p	7hr 50min	3hr 50min	2hr	55min
	1280x720/50p	23hr 50min	11hr 20min	5hr 40min	2hr 50min
iFrame	1280x720/25p	8hr	4hr	2hr	1hr
AVCHD	1920x1080/50p	10hr 10min	5hr	2hr 30min	1hr 10min
	1920x1080/50i (XP)	16hr 20min	8hr 10min	4hr	2hr
	1920x1080/50i (EP)	57hr 50min	28hr 50min	14hr 40min	7hr 10min
High Speed	100fps (640x360)	33hr 30min	16hr 40min	8hr 30min	4hr 10min
	200fps (640x360)	16hr 40min	8hr 20min	4hr 10min	2hr
	250fps (640x360)	13hr 20min	6hr 40min	3hr 20min	1hr 40min
	400fps (320x176)	54hr 30min	27hr 10min	13hr 50min	6hr 40min
	500fps (320x176)	43hr 30min	21hr 40min	11hr	5hr 20min

Stills

4:3, 5184x3888 (20M)	9999	5300	2700	1300

Stills during Video mode

16:9, 1920x1080 (2M)	9999	9999	9999	5200

Speed modes and number of images for Continuous Still Recording

Speed Mode	Continuous Stills
High	50fps, up to 115 images
Mid 1	25fps, up to 115 images
Mid 2	12fps, up to 115 images
Mid 3	6fps, up to 115 images
Low	2fps, no limit

MediaBrowser SE for JVC (Windows®) Software System Requirements

OS: Microsoft® Windows® XP SP3, Home Edition/Professional (pre-installed)

Microsoft® Windows Vista® SP2, Home Basic/Home Premium (32-bit/64-bit, pre-installed)

Microsoft® Windows® 7 SP1, Home Premium (32-bit/64-bit, pre-installed)

CPU: Intel® Core™ Duo 1.66GHz or higher (Intel® Core™ 2 Duo 2.13GHz or higher recommended)

*Intel® Core™ i7 2.53GHz or higher is recommended to use MP4/MOV/AVCHD Progressive files and edit video files.

RAM: Windows® XP: 1GB or higher, Windows Vista®/Windows® 7: 2GB or higher

GPU: 1024x768 pixels, 16-bit (Hi-colour) or more (1280x1024 pixels, 32-bit or more, Intel® G965 (on-board VGA) or higher recommended)

Note: Software for Macintosh is not included. The applicable software is required. The system requirements information above is not a guarantee that the provided software will work on all personal computers meeting those requirements.

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