HDR-PJ200/B

Capture incredible 1920x1080p Full HD video and share your memories with built-in projector with Sony's HDR-PJ200 Handycam® camcorder . The 2.7" LCD touchsreen makes it fun and easy to capture your memories. Take clear and crisp movies even in low light with its back-illuminated Exmor R® CMOS sensor.

Bullets

- 1920x1080 Full HD 60i Recording w/5.3MP still image capture
- Project up to 100"(diag) videos with built-in projector
- Back-illuminated Exmor R® CMOS sensor for superb low-light video
- SteadyShot® image stabilization w/ Active Mode
- Wide Angle G Lens to capture everything you want
- 25x Optical/30x Extended Zoom to get even closer to the action
- 2.7" touch-screen Clear Photo LCD™ display (230K)
- Tracking Focus follows selected subjects
- Event Browse groups video/stills by events automatically
- Highlight Playback creates movies with transitions for you
- Intelligent Auto (60 different scene combinations possible)
- Direct Copy to external HDD without PC[13]
- Built-in USB cable for easy file transfer/charge

Features

1920x1080 Full HD Recording w/5.3MP still image capture

The Sony® HDR-PJ200 offers 1920 x 1080 high definition resolution letting you record your memories in exceptional Full High Definition quality.

Built-in High-Contrast Projector

The high-contrast projector built-in to the LCD panel gives you the freedom to share your favorite memories virtually anywhere. Powerful enough to project up to a 100" diagonal screen, this small mobile theater packs a powerful punch. Combined with advanced Clear Phase stereo speakers, your memories will come alive for you and those you're sharing with.

Back-illuminated Exmor R® CMOS sensor for superb low-light video

Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated Exmor R® CMOS sensor. Designed for compact cameras and camcorders, the Exmor R® CMOS sensor relocates the photo diodes above the support circuitry, maximizing the light gathering area per pixel so you can shoot with better results in lower lighting conditions.

SteadyShot® image stabilization w/ Active Mode

SteadyShot® image stabilization with Active Mode compensates for greater degrees of camera shake to deliver stunningly smooth video from wide angle to full telephoto shooting. In addition, innovative 3-Way Shake-Canceling adds electronic roll stability for even smoother video capture

30x Extended Zoom to get even closer to the action

Extended Zoom works in conjunction with 25x optical zoom to get even closer to the action while maintaining HD image quality.

Carl Zeiss® Vario-Tessar® lens

The professional-quality Carl Zeiss® Vario-Tessar® lens is designed specifically for compact camcorders. Precision ground optics help maintain the sharpness and contrast of larger lenses, SteadyShot® image stabilization helps reduce blur caused by camera shake.

2.7" touch-screen Clear Photo LCD™ display (230K)

The 2.7" Clear Photo LCD™ touch screen displays sharp, bright, vivid images, letting you compose a shot more easily -- even outdoors, while enabling you to change settings to best represent the scene.

Built-in USB cable for easy file transfer/charge

The high-speed, built-in USB 2.0 cable allows for easy connection to your computer for charging or file transfer without having to remember separate cables. It also fits conveniently into the hand strap so it's out of the way until you need it. Charging your camcorder is faster than ever now through the USB; for every two minutes of charge time you get one minute of recording time.

Intelligent Auto (60 different scene combinations possible)

Intelligent Auto mode goes a step beyond traditional auto modes by analyzing your shot and then automatically selecting the appropriate settings from nine distinct scene modes (60 different combinations possible): Portrait/Baby/Tripod/Backlight/Landscape /Spotlight/Twilight/Macro/Low light.

Tracking Focus follows selected subjects in/out of the frame

Tracking Focus works as an extension of Face Detection to allow you to select an object with a touch of the LCD and have the focus follow the selected object, even if it leaves the frame and returns.

Event Browse groups photos/videos for you for easy reference

Event Browse conveniently groups your images and videos together for easier viewing. The date range that Event Browse groups your pictures and videos is easily adjusted to suit your needs. When used with the Highlight Playback feature, making and sharing a highlight reel from your event is easy and fun.

Highlight Playback creates movies with transitions for you

Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback identifies and compiles key scenes into a short, entertaining movie complete with music and transitions. You can even pinpoint the exact scene you want to include in the highlight reel.

Direct Copy to external HDD without PC[13]

Store your memories in a whole new way with the ability to copy videos from your camcorder directly to an external hard disk drive[13] (sold separately), all without a computer. Your camcorder can also access videos stored on the external hard drive for playback on your HDTV[4], allowing you to utilize the camcorder's handy playback features.

Specifications

Camera	
Camera Type	Digital HD Video Camera Recorder
Imaging Sensor	
Imaging Sensor	1/5.8" (3.1mm) Back-illuminated Exmor R® CMOS Sensor
Processor	BIONZ™ Image processor
Pixel Gross	Approx.1500K pixels
Effective Picture Resolution	Approx.1310K pixels(16:9)
Color Filter System	RGB primary color filters
Recording	

Media Type	Memory Stick PRO Duo ™ (Mark 2); Memory Stick PRO-HG Duo ™; SD/ SDHC/ SDXC Memory Card (Class 4 or Higher)
Still Image Mode	JPEG
Still Image Max Effective Resolution	5.3 megapixels
Still Image Size 16:9	Movie mode:5.3 megapixels 16:9 (3072x1728); Photo mode: :5.3 megapixels 16:9 (3072x1728)
Still Image Size 4:3	Movie mode: 4.0 megapixels 4:3 (2304x1728); Photo mode: 4.0 megapixels 4:3 (2304x1728)

Video Format	HD: MPEG4-AVC/H.264 AVCHD 2.0 format compatible; STD: MPEG2-PS
Video Mode	HD FX: Approx. 24Mbps / FH: Approx. 17Mbps / HQ: Approx. 9Mbps / LP: Approx. 5Mbps; STD HQ: 9Mbps
Video Resolution	HD: 1920x1080/60i (FX, FH), 1440x1080/60i (HQ, LP); STD: 720x480/60i
Video Actual (Pixel)	Approx.1310K pixels(16:9), Approx.980K pixels(4:3)
Video Signal	NTSC color, EIA standards

Photo Capture from Movie	2.1 megapixels 16:9 (1920x1080); 0.3 megapixels 4:3 (640x480); 0.2 megapixels pixels 16:9 (640x360)
Dual Record	5.3 megapixels 16:9 (3072 x 1728); 1.3 megapixels 16:9 (1536 x 864)
Audio Format	Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator
Microphone/Speaker	Built-in Zoom Microphone; Monoral Speaker
Mic Level Control	Yes (2steps)
Still Image File Format	DCF Ver. 2.0 compatible, Exif Ver. 2.3 compatible, MPF Baseline compatible
Wind Position	Yes(Off/On)

Optics/Lens

Lens Type	Carl Zeiss® Vario-Tessar® Lens
Lens Stabilization	SteadyShot® image stabilization w/ Active mode (Wide to Tele)
Aperture	F1.8-3.2
Optical Zoom	25x
Digital Zoom	300x
Focal Length (35mm equivalent)	Movie Mode: 36mm - 1080mm (16:9),44mm-1320mm (4:3); Photo Mode: 36mm - 900mm (16:9), 44mm-1100mm (4:3)
Minimum Focus Distance	Approx. 1cm (Wide), Approx. 80cm (Tele), Approx. 39cm (Tele Macro)
Extended Zoom	30x
Focal Distance	f = 2.5mm - 62.5mm; f =1/8inch - 2 1/2inch
Steady Shot Mode:Active	43.2mm - 1080mm

LCD Display

LCD Type	2.7" Clear Photo LCD™ display (230K) Wide(16:9)
Angle Adjustment	Opening Angle: max. 90 deg., Turning Angle: max. 270 deg.
Brightness Control	Yes (Menu)
Coverage	1
Grid Display	Guide Frame
Touch Panel	Yes

Focus Control

Focus System	Contrast AF
AF Modes	Auto/Manual(Touch Panel)
Focus Area	Full range Focus / Spot Focus
Focus Features	Tracking Focus

Exposure System

Metering Modes	Multi-segment / Spot
Exposure Settings	Auto; Flexible Spot (Touch Panel)
Scene Mode(s)	Auto/Night Scene/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow
D-Range Optimizer	Yes
Noise Reduction	Yes
White Balance Mode	Auto / Onepush / Outdoor / Indoor
Minimum Illumination	Standard: 11 lux (1/60 Shutter Speed); Low Lux: 3 lux (1/30 Shutter Speed)
Auto Iris Control	F1.8 - F10
Backlight Compensation	Yes (Auto)
Gain Control	Auto
LOW LUX Mode	Yes

Drive System

Drive Mode	Photo Mode:Single-shot/Self-timer
Self-timer	10sec.(Still Image)

Shutter Speeds	Self-timer: Approx. 10sec. (Still Image); Shutter Speed (Standard): 1/60 - 1/10000; Shutter Speed Auto Control Range: 1/8 - 1/10000; Scene Selection: 1/8 - 1/10000; LOW LUX: 1/30 - 1/10000

Convenience Features

Quick On	Yes (Power On by LCD)
Manual / Auto Lens Cover	Manual
S/S & Zoom button on LCD	Yes (Touch Panel)
Fader Effect(s)	White / Black
Date / Time Stamp	Yes (Rec Date and Time, Camera info, Coordinates)
Erase/Protect	Yes / Yes
Media/Battery Indicator	Yes (recordable time, free and used media space) / Yes (recordable time, remaining capacity)
Still Image Playback Options	Slide Show
Video Playback Options	Highlight Playback (HD Movie Only); Highlight Playback Save and Share (Translate into STD quality); Highlight Scenario (Save/Playback/Erase); Highlight BGM (Preinstalled 4 music files, Music transfer)
Built-in USB Cable	Yes (USB Charge Available)
Multiple Language Display	English; Simplified English; Brazilian Portugese; Canadian French; Latin American Spanish
One Touch Disc Burn	Yes (Menu)
View & Index	Event

Advanced Features

Tracking Focus	Yes
Face Detection	Yes

1. 1GB equals 1 billion bytes, a portion of which is used for data management functions

4. Requires HDTV and HDMI cable sold sep.

7. Map service requires PC with internet. Service provided by Google and subject to change without notice

9. For PC: Requires Microsoft® Windows® XP SP3/ Windows Vista® SP2/Windows 7. For Mac: Requires Mac OSX (v10.5-10.7)

13. Requires via VMC-UAM1 cable (sold separately), AC power for camcorder, and hard drive formatted in FAT-32. USB-hub not supported. External HHD/USB media should be less than 2TB(Terabytes)