JVC GY-HM 150U Public HD Camera
This new camera will only record onto SDHC cards and can record in High-definition or Standard-definition.

With all equipment, do not leave sitting in direct sunlight for an extended amount of time, do not store in extreme temperatures, and do not leave sitting in an unattended car.

Power
OFF:
Standby/On:

Lens Cover
Open and close using switch on side of camera lens.

Format Cards
Menu → Media → Format Media → (select SDHC card slot) → Format
ALWAYS FORMAT A CARD WHEN RECORDING FOR THE FIRST TIME ON IT.
This will erase any data or media that was previously recorded on the card.

Card Select
Press the SLOT SEL button to toggle camera from recording on either card A or card B.
If recording on card A and camera runs out of time, the camera will automatically switch to card B.

Record Modes
Always have File Format as MP4, unless editing on mac, then change to MOV.
When editing at CCMC, always use the following settings found at...
MENU → Record Set → Record Format...
System Definition:	HD (MPEG2)
File Format:	MP4 (Windows) Quicktime (Mac)
Camera Resolution:	1280x720
Frame & Bit Rate:	30p(SP)
HQ will give you 56 minutes on a 16GB SDHC Card.
SP will give you 1 hour 43 minutes on a 16GB Card.
Aspect Ration:	16:9
YOU MUST SELECT 'Set' IN ORDER FOR CHANGES TO TAKE PLACE

Full Auto
Toggles full Auto mode or full manual mode on camera.

Time Remaining
Press Index button on viewfinder screen to view record time remaining.
Tells time on both cards left and battery life left.

Battery
Fully Charged Battery = 2 Hours.

<u>Zoom</u>

Pressure sensitive. T zooms in, W zooms out.

<u>Audio</u>

Input1 → Channel 1(left speaker)
Input2 → Ch 2 Input Select (select either input 1 or 2 for right speaker)

Audio Input: Line – Use if other end is not a microphone.
Mic – Use if other end is a microphone.
Mic+48v – Use if other end is a condenser microphone that requires power.

Auto/Manual Level Select.

<u>Recording</u>

Press the red 'REC' button on the right side of the camera near the batter to begin recording.
Press again to stop recording. Unlike camera's that use tape, this camera records all your footage
in 'clips', or individual video files on the card. So there is no need to fast forward or rewind to
go back and forth between different shots you recorded during the day.

<u>Image Control</u>

<u>ND Filter</u>

Use if in bright sunlight.

<u>Gain</u>

Leave on low (L) when in good lighting. Only increase to medium (M) or high
(H) if in very low light.

<u>Focus</u>

Use Focus/Zoom switch to designate lens ring as Focus or Zoom.
AF/MF button changes focus from Automatic to Manual

<u>White Balance (WHT.BAL)</u>

PRST. is a preset for indoor lighting (3200K should be displayed).
B & A are custom presets for you to set.
To White balance on B or A, zoom in on something white that's in direct light and hold
down the AWB button beneath the camera lens.

<u>Iris</u>

On the left side of the camera, press the 'IRIS A/M' button to toggle the iris from
automatic mode to manual mode. If iris is on automatic mode, you will not see the F# on
the bottom center of the screen. If iris is set to manual mode, you will see the F# on the
bottom center of the screen. Once on manual mode, it can be adjusted using the IRIS
wheel on the front left side of the camera.

<u>Shutter</u>

Press once to turn on (indicator will appear on bottom right of screen as a fraction
number)
When the text is highlighted in white, use the Adj/Vol knob to raise or lower the number.
Press the Adj/Vol knob in to lock in the number. Text highland will change from white to
black.
Press Shutter button again to change again. Press twice to make it disappear (turns
shutter on auto).

Zebra

This tells you whether or not certain spots of your shot are to bright, or 'over exposed'. This can be turned on and off by pressing the ZEBRA button beneath the LCD pop out screen.

OIS

This keeps the camera from shaking to much when you go hand held with the camera. It's indicated by the hand with waves coming out the left and right side of it. If it's not on the LCD screen, it's on. If it's on the screen with a line through it, it's off. To turn on and off, press the OIS button on the back of the camera.

LOLUX

This option is to only be used for extremely low light shooting. If you have your camera on automatic mode, with your ND filter off, and your Gain all the way up to H (High), and you're still having problems with your subject being to dark, try pressing the LOLUX button on the left side of the camera beneath the LCD pop out screen. It will add more gain and digital noise to your video, so only use when subject it to dark and there are no other options!

View Captured Footage

Slide the power knob on the right side of the camera up to CAM/MEDIA and hold for 1 second to view footage.

Select clip to view using the analog stick on the viewfinder screen. Push in to select.

While playing back footage, push in again to pause/play, and left or right to rewind or fast forward footage.

Press 'Cam/Media' button again to switch back to camera mode.

Press 'C. Review' button to quickly play back last recorded clip.

SDHC Cards

HANDLE WITH CARE!

These cards are not extremely expensive, but they aren't cheap either.

Always keep in their case if not in the camera.

There is a Write Protect switch on every SDHC card. Slide down to protect from being recorded on, slide up to allow to record on.

A. Gain. Tells how much gain has been turned on.
B. Manual or Auto Focus
C. Recording format chosen to record in.
D. Time remaining on each card.
E. Indicates if you are recording or not.
F. Quick indicator of how much time is left on battery.
G. Audio levels
H. White balance setting
I. Zebra lines. These indicate over exposed areas in your video. If people's faces have zebra's on them, consider turning on the ND filter or manually lowering your iris. If zebra's are completely covering your subjects, your footage will be un-fixable in post production. (lines may not appear properly in the printing of this paper)
J. Indicates if you are in all Automatic Mode or, in this case, All Manual Mode
K. Indicates what your Iris is set to (when in manual mode).
L. Indicates what your Shutter Speed is set to (when in manual mode).
M. Indicates if OIS (optical image stabilizer) is turned on or off.