Panasonic AG DVC7 Operation
Characteristics

- Professional styled camcorder
- DV, digital video tape format
- Automatic and manual operation
- Full set of media input and output
- Firewire connection to computers
- External microphone
- Remote control
Camera Setup

- Charge battery, 2 hr charge, 2 hr use
- Set eyepiece focus correction
- Load tape
- Connect external mic
- Turn on camera
- Choose mode, camera or VTR (VCR)
Camera Controls

• Buttons and Dials
  – Manual focus ring
  – Reset
  – Multi-Function dial, interface to menu
  – Mode selector, Auto, Man, Prog. AE (auto exp)
  – Digital Effects DIG.E, AUTO EIS for stabilizer
  – Picture effects, PIC.E., WARNING, wipes etc.
  – MENU, start function/set-up menu
  – FOCUS, enable manual focus, mode select.
• **Buttons and Dials**
  - Record check, last few seconds
  - SEARCH-/+ , review shots, camera mode, review last shot, USEFUL
  - VTR controls, play, rewind, FF, etc, VTR mode
  - BLC back light control
  - STILL, PHOTO SHOT
  - Eyepiece corrector knob
  - Zoom lever and sub zoom lever
  - Record and sub record button
  - On, off, Mode
  - Tape eject and lock
Menu Controls

To enable menu, push MENU and operate with multi-function dial, rotate and push

• Camera setup
  – Progressive, photoshoot
  – D.ZOOM - enable digital zoom, 30 or 750X
  – CINEMA - wide screen
  – P.EFFECTS - wipe, mix, strobe, trail, etc.

• Recording SETUP
  – REC SPEED - SP and LP mode, use SP
  – AUDIO REC – quality, stereo, dubbing, 16 bit 48 kHz 2 track, 12 bit 32 kHz 4 track
• SETUP continued
  – SCENE INDEX - to search for scenes
  – WIND CUT – reduce wind noise
  – ZOOM MIC – enable mic zoom with image
  – MIC LEVEL ADJ. - auto, manual/AGC

• DISPLAY SETUP
  – DATE/TIME
  – C.DISPLAY – counter display, tape, time code
  – C.RESET – reset tape counter
  – DISPLAY – on LCD, all partial, off
  – LCD MODE – brightness, color
  – LCD/EVF MODE – lcd and viewfinder
• OTHER FUNCTIONS
  – REMOTE – select camera number
  – REC LAMP – Tally light on or off
  – BEEP SOUND – start, pause, error indicators
  – SHTR EFFECT – Shutter effects, photo
  – CLOCK SET -
  – SELF RECORD – mirror image on LCD
VCR/VTR Functions

• PLAYBACK FUNCTIONS
  – BLANK SEARCH – locate end of tape
  – SEARCH – find desired scene
  – 12 bit AUDIO – playback dubbed audio
  – AUDIO OUT – playback audio channel select

• DIGITAL EFFECTS
  – REC SPEED – sp or lp
  – AUDIO REC – 16 or 12 bit, 2 or 4 tracks
  – AUDIO LEVEL – level for dubbing
VCR/VTR Functions cont.

- **AV IN/OUT SETUP**
  - AV JACK – set to input or output
  - A.DUB INPUT – external or internal mic
  - DV OUT – output DV from analog input

- **DISPLAY SETUP** – same as camera menu

- **OTHER FUNCTIONS**
  - REMOTE – select camera 1 or 2
  - CLOCK SET
White Balance

• Adjust camera for light temperature so white is white and colors appear natural

• Modes for white balance
  – AWB – automatic white balance
  – Previous WB
  – Fluorescent lamp mode
  – Outdoor mode
  – Indoor mode
  – Manual WB adjust
Auto and Manual Modes

• Select via – AUTO/MANUAL/PROG.AE button

• AUTO – sets exposure, focus, etc.

• PROG.AE – programmed auto exposure sets special modes
  – Sports mode – quick motion
  – Portrait mode - “pull” people from backgr’d
  – Low light mode – increase gain
  – Spotlight mode – theatre lights
  – Surf & sand mode – glaring lights
Manual Modes

- Select manual in AUTO/MANUAL/PROG.AE
- Shutter speed – MF dial
- Iris adjustment – MF dial
- Focus – Focus button, focus ring
- Mic sensitivity – look at meter and listen for background noise, adjust mic position
- White balance
WB Mode Set

- Set AUTO/MANUAL/PROG.AE to manual
- Push multi-function dial until AWB appears in LCD
- Rotate multi-function dial to choose mode, generally AWB
- In AUTO mode AWB is chosen
Manual White Balance

- Attach lens cap and zoom until full screen of white
- Set AUTO/MANUAL/PROG.AE to manual
- Push MF dial until AWB appears
- Rotate dial until manual WB symbol appears
- Hold MF dial down until WB symbol stops flashing