



PANASONIC NV-GS90 DV CAMCORDER

LED Video Light



When illumination is insufficient, turn on the built-in LED video light to take crisp, colourful movies. The LED (light emitting diode) has low power consumption, long service life, and the safety of a low operating temperature.

Crystal Engine and Pure Colour Engine



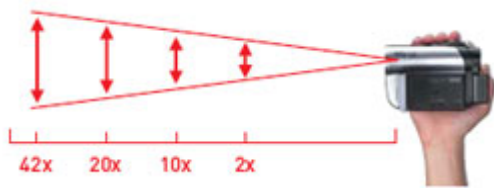
Without Crystal Engine



With Crystal Engine

The Crystal Engine is a special image processing circuit for 3CCD camera systems. It processes the R,G and B signals from the three CCDs individually, so it gives both moving and still pictures exceptional quality. And the Pure Colour Engine converts the CCD output signal from a complementary colour signal into an RGB signal at an early stage and extracts the low-frequency luminance component from the RGB signal. This innovative engine also achieves truly superb colour reproduction for high-zoomed pictures.

Advanced O.I.S. and 42x Optical Zoom



This 42x zoom lens has the power you need to take dramatic closeups or get remarkable shots of even distant subjects. But with long-distance zoom shots, even a tiny bit of hand shake has a huge effect on picture quality. That's where image stabilization comes in. Panasonic's Advanced O.I.S. (Optical Image Stabilizer) shifts a corrective lens as you shoot to eliminate the effects of hand shake, so you get clear, sharp, blur-free shots even at high zoom levels. It's an essential feature for getting the most out of this incredible zoom lens.



Panasonic's Advanced O.I.S. is a new image stabilizing function that achieves around eight times higher precision than our previous system. The system uses gyro-sensors to detect handshake, then shifts a lens and adjusts its optical axis to compensate. Advanced O.I.S. enables finer, more effective hand-shake compensation.



One-Touch Navigation

With One-Touch Navigation, just press the centre of the joystick to display an operating menu. The operations you use most often are right on the monitor, so it's easy to change settings or operate the camera without looking away from your subject.

Soft Skin Detail



When this function detects skin tones, it softens the focus in that area. This has a skin beautifying effect, which makes wrinkles and lines appear less noticeable. When turned on, this function makes blemishes and moles look less conspicuous, while preserving resolution in areas of the picture outside of the skin.

Colour Night View



Leave the light off. Colour Night View gives you images with colour even in dim lighting (1 lux). Light from the LCD is gentle and easy on the eyes, so you can snap shots of sleeping children without waking them up.

SPECIFICATION

GENERAL	
Power Supply	DC7.2 V/9.3 V
Power Consumption	4.1 W
Weight (w/o Battery)	390 g
Dimensions (W x H x D)	67 x 84.5 x 119.3 mm
Media	miniDV
LENS SECTION	
Image Sensor	1/6" CCD (800 k pixels, Total/400 k [4:3], 370 k [16:9] (Motion Image)/410 k [4:3], 380 k [16:9] (Still Picture) Effective)
F Value	F1.9 (WIDE)/F4.3 (TELE)
Optical Zoom	42 x Variable Speed Zoom
Focal Length	1.8 - 75.6 mm
Filter Diameter	-
35mm Film Camera Equivalent	34.5 - 1449 mm [4:3]/ 33.8 - 1420 mm [16:9] (Motion Image) 33.9 - 1425 mm [4:3]/ 33.2 - 1393 [16:9] (Still Picture)
Lens Brand	Panasonic
CAMERA SECTION	
Minimum Illumination	2 lux (Colour Night View Mode)
Focus	AF/Manual
White Balance	Auto/Indoor/Outdoor/White Set (with IR Sensor)
Shutter Speed	1/25-1/8000 (Motion Image)
Iris	Auto/Manual
Scene Mode	Sports/Portrait/Low Light/Spot Light/Surf & Snow
Backlight Compensation	Yes
EVF	0.33" Colour (113,578 dots)
Monitor	2.7" Wide LCD (123,200 dots)

Microphone	Stereo Zoom Mic, Wind Noise Reduction
Date Recording	Auto Date (in Date Code)
Fade In/Out	Yes
Rec. Review	Yes
On-Screen Display Language	English / Chinese (Traditional) / Russian / Arabic / Persian / Thai / Hindi
Image Stabilizer	Advanced O.I.S.
Digital Zoom	42 x-2000 x
LED Video Light	Yes
Flash	-
Web Camera Function	Motion JPEG 320 x 240 approx. 6 fps
RECORDING SECTION	
Format	DVC
Recording Mode	SP / LP
Playback Mode	SP / LP
Variable Speed Search	Max. 20 x Speed
Audio Recording System	PCM 12 bit 4 ch/ 16 bit 2 ch
Audio Dubbing	NA
Counter	Time Code
Media Remaining Indication	Yes
INTERFACES	
AV	Out
HDMI	NA
S-Video	NA
Microphone (stereo mini)	NA
Headphones	NA
DV Input/Output (IEEE1394)	In/Out
USB	Full-Speed (mini B)
Video Component	NA
Accessory Shoe	NA
STANDARD ACCESSORIES	
AC Adaptor	Yes
AC Cable	Yes
DC Cable	Yes
Rechargeable Battery Pack	Lithium-Ion
Strap	NA

Video Component Cable	NA
AV Cable	Yes
Lens Cap	NA
IR Remote	NA
USB Cable	NA
SD Memory Card	NA
CD-ROM	NA