

Panasonic
ideas for life

2006
DIGITAL VIDEO CAMERA



e.cam

Enjoy Extended Viewing of Beautiful Images



NV-GS500

3CCD **NV-GS500**



3CCD Camera System	O.I.S. (Optical Image Stabiliser)
LEICA DICOMAR Lens	Crystal Engine
4.0-Megapixel Still Picture Recording	2.7" Wide LCD
12x Optical zoom	Manual Focus Ring
Pro-Cinema Mode	USB 2.0 (High Speed)

3CCD **NV-GS300**



3CCD Camera System	O.I.S. (Optical Image Stabiliser)
LEICA DICOMAR Lens	Crystal Engine
3.1-Megapixel Still Picture Recording	2.7" Wide LCD
10x Optical zoom	USB 2.0 (High Speed)

3CCD **NV-GS180**



3CCD Camera System	Crystal Engine
2.3-Megapixel Still Picture Recording	10x Optical zoom
USB 2.0 (High Speed)	

30x Optical Zoom **NV-GS27**



Pure Colour Engine	30x Optical zoom
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Advanced Imaging Technologies for Beautiful Results

Triple beauty — remarkable colour, detail and gradation 3CCD Camera System

GS500 **GS180**
GS300



Most professional broadcasting cameras use the 3CCD camera system. With the 3CCD camera system you can see the results in beautifully rendered images with vivid colour, fine detail, and rich gradation.



3CCD



1CCD

Superior Leica-certified image quality
LEICA DICOMAR Lens

GS500
GS300

LEICA DICOMAR

The e.cam boasts a Leica Dicomar lens. This advanced lens captures clear, crisp, finely nuanced images with outstanding detail and contrast. Also, the lens was manufactured using a multi-coating process that reduces flare and ghosts.

*Leica is a registered trademark of Leica Microsystems IR GmbH, and Dicomar is a registered trademark of Leica Camera AG.



Clear, beautiful moving pictures and still images
O.I.S. (Optical Image Stabiliser)

GS500
GS300



Panasonic's O.I.S. minimises hand-shake. The O.I.S. is extremely effective in situations where hand-shake is most often a problem, such as with zoom shots and in dim lighting. When you're shooting a still image, the MEGA O.I.S. system automatically activates.



O.I.S. ON



O.I.S. OFF

The powerful 30x Optical Zoom

GS27

Enjoy remarkable 30x zoom magnification in a camera that fits comfortably and securely in one hand. Because the zoom is optical, it captures both moving and still pictures with exquisite beauty.



1x [35mm film camera equivalent] 35.7mm 30x 1072mm [35mm film camera equivalent]

High-performance image processing Crystal Engine & Pure Colour Engine

GS500 GS180
GS300 GS27



The Crystal Engine is a special image processing circuit for 3CCD camera system. And the Pure Colour Engine is the same one for high-zooming cameras. Each engine achieves truly superb colour reproduction for high quality pictures.

GS500/GS300/GS180: Crystal Engine
GS27: Pure Colour Engine



With Crystal Engine



Without Crystal Engine



Crystal Engine

World's highest Simultaneous Motion Video and 1.2-Megapixel Still Picture Recording

GS500

Now you can have it both ways. When you're shooting a moving picture and you see a great scene, you can snap off a 1.2-megapixel still shot while continuing to record the moving picture. You don't even have to change recording modes. The moving pictures are recorded onto tape, the still is recorded onto the SD Memory Card. This two-in-one capability means you can catch sudden photo opportunities without interrupting a great moving picture scene. *As of January 4, 2006



Motion Video



1.2-Megapixel Still Picture

Functions that Give You More Shooting Flexibility

Simple, one-handed operation

GS500 GS180
GS300 GS27

The joystick makes the camera much easier to use, letting you control all basic operations with one hand. As you shoot, just watch the image in the monitor and follow the instruction guide. You can handle a number of operations quickly and easily, without even taking your eye off the subject.

Press the centre of the joystick to display icons on the screen.



Control buttons are centrally arranged for easier use. Joystick

The Help Mode Explains the Icons



Help mode explanation of Soft Skin Detail
*The GS180 has no Help Mode.

Multilingual Menu



Never miss those sudden shooting opportunities--1.7 sec Quick Start

GS500 GS180
GS300 GS27

The Quick start mode* helps shoot videos on the spur of the moment. This mode lets you shoot those not-to-be-missed scenes just 1.7sec from the time the power is turned on. *This mode can be selected from the menu. *The GS180 has a Quick Start Button.

Improved grip for easy one-handed shooting

GS500 GS180
GS300 GS27

The grip is slanted to follow the natural contour of the fingers, giving the camera a more comfortable fit in your hand. The grip also has a low profile and is angled for easy carrying. These features minimise hand strain, making it possible to shoot for long periods without fatigue.



Adjust the focus manually if you prefer with Manual Focus Ring

GS500

Positioned at the front of the lens barrel, the manual focus ring has a non-slip, sure-grip surface for easy operation and quick response when a photo opportunity pops up. It ensures professional-style operation and enhances creativity.

More Fun After Shooting, Too

Transfer data to a PC at high speed too USB 2.0 (HS Mode) and Video Class* Compatibility



GS500 GS180
GS300

USB 2.0 compatibility lets you upload DV data to a PC at high-speed over a single USB cable. Video Class compatibility allows real-time transfer of DV moving picture data over the same USB cable.

*Video Class is a standard format that allows the real-time transfer of moving picture data over a USB cable. GS27:USB 2.0 (FS Mode)



Real-time visual communication WEB Camera Function

GS500 GS180
GS300 GS27

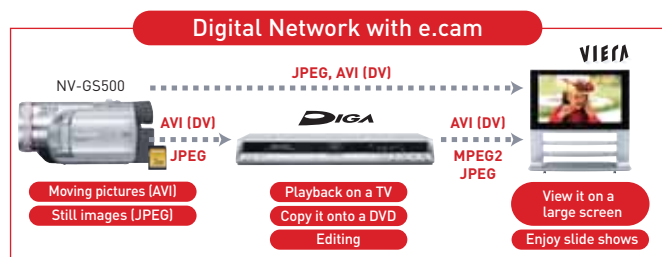
With the camera connected via USB cable to a PC, start up Windows® Messenger and the camera instantly turns into a web camera. Ideal for teleconferencing over the Internet, or for surveillance camera use.



MotionDV STUDIO 5.6E LE for DV/SweetMovieLife 1.0 E (DV Editing Software)

The included software MotionDV STUDIO 5.3 LE DV and SweetMovieLife 1.0E is just the tool you need to make polished, smartly finished productions easily.

*The GS180 includes only MotionDV STUDIO 5.3E LE for DV.



Other Features

- Still Picture Recording (GS500: 4.0-Megapixel, GS300: 3.1-Megapixel, GS180: 2.3-Megapixel)
- High-Picture-Quality Wide Mode(16:9) and 2.7" Wide LCD (GS500/GS300)
- AGS(Anti-Ground Shooting mode) (GS500/GS300) •Pro-Cinema Mode (GS500)
- Power LCD (GS500/GS300/GS180) •Tele Macro (GS500/GS300/GS180)
- Accessory Shoe (GS500): Hot Shoe (GS300/GS180): Cold Shoe
- Soft Skin Detail (GS500/GS300/GS180/GS27)
- Direct Mode Dial (GS500/GS300/GS180/GS27)
- 0Lux Colour Night View (GS500/GS300/GS180)
- Colour Night View (GS500/GS300/GS180/GS27)
- Audio Level Meter & Mic Level Control (GS500) •Built-in Flash (GS500/GS300)
- One-Touch Magic Strap (GS500/GS300) •Auto Lens Cover (GS300)
- SD Memory Card Compatible (GS500/GS300/GS180)
- PictBridge Compatible (GS500/GS300/GS180)
- DV IN/OUT (GS500/GS300) •DV/OUT (GS180/GS27)

FEATURE COMPARISON

	<i>DVDeCam</i>		<i>eCam</i>				<i>SDeCam</i>
	D300/D250	D150	GS500	GS300	GS180	GS27	S100
High-Quality Pictures							
Media	8 cm DVD Disc	8 cm DVD Disc	mini DV Tape	mini DV Tape	mini DV Tape	mini DV Tape	SD Card
Recording Format	MPEG2	MPEG2	AVI	AVI	AVI	AVI	MPEG2
3CCD Camera System	Yes	No	Yes	Yes	Yes	No	Yes
O.I.S./MEGA O.I.S. (Optical Image Stabiliser)	D300: Yes D250: No	No	Yes	Yes	No	No	Yes
Leica Dicomar Lens	D300: Yes D250: No	No	Yes	Yes	No	No	Yes
Image Processing LSI	Crystal Engine	Pure Colour Engine	Crystal Engine	Crystal Engine	Crystal Engine	Pure Colour Engine	Crystal Engine
MPEG2 Engine	Yes	Yes	No	No	No	No	Yes
Optical Zoom	10x	30x	12x	10x	10x	30x	10x
Still Picture Recording	D300: 3.1 MEGA D250: 2.3 MEGA	0.3 MEGA [640 x 480]	4.0 MEGA	3.1 MEGA	2.3 MEGA	No	3.1 MEGA
Simultaneous Motion Video & Still Picture Recording	No	No	1.2 MEGA	0.3 MEGA [640 x 480]	0.3 MEGA [640 x 480]	No	No
High-Picture-Quality Wide Mode [16:9]	Yes	No	Yes	Yes	Yes	No	Yes
Easy & Versatile							
LCD	2.7" Wide	2.5"	2.7" Wide	2.7" Wide	2.5"	2.5"	2.8" Wide
Power LCD	Yes	No	Yes	Yes	Yes	No	Yes
One-Touch Navigation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Help Mode	Yes	No	Yes	Yes	No	Yes	No
Direct Mode Dial	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flash	D300: Yes [GN4.8] D250: No	No	Yes [GN5.3] [Built-in]	Yes [GN4.8] [Built-in]	No	No	Yes [GN4.5] [Pop-up]
Colour Night View	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built-in LED Light	No	No	No	No	No	No	No
Manual Focus Ring	No	No	Yes	No	No	No	No
Pro-Cinema Mode	No	No	Yes	No	No	No	No
Soft Skin Detail	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tele Macro Mode	Yes	No	Yes	Yes	Yes	No	Yes
AGS	D300: Yes D250: No	No	Yes	Yes	No	No	No
Quick Start	No	No	1.7 sec	1.7 sec	1.7 sec	1.7 sec	1.5 sec
Lens Cover	D300: Auto D250: Cap	Cap	Cap	Auto	Cap	Cap	Auto
Accessory Shoe	Cold	No	Hot	Cold	Cold	Cold	No
One-Touch Magic Strap	No	No	Yes	Yes	No	No	No
Networking							
USB 2.0	HS Mode	HS Mode	HS Mode	HS Mode	HS Mode	FS Mode	HS Mode
SD Memory Card Compatible	Yes	Yes	Yes	Yes	Yes	No	Yes
PictBridge Compatible	Yes	Yes	Yes	Yes	Yes	No	Yes
DV IN/OUT	No	No	In/Out	In/Out	In/Out	Out	No
Analogue IN/OUT	Out	Out	Out	Out	Out	Out	Out
WEB Camera Function	No	No	Yes	Yes	Yes	Yes	Yes

OPTIONAL ACCESSORIES

Accessories	Model No.	<i>DVDeCam</i>		<i>eCam</i>				<i>SDeCam</i>
		D300/D250	D150	GS500	GS300	GS180	GS27	S100
POWER								
Rechargeable Lithium-Ion Battery Pack*1 Battery Life: Continuous Recording (Using the Viewfinder) Ambient Temperature: 25°C Ambient Humidity: 60%	CGR-DU06 (7.2V/640mAh)			1 h 05 min	1 h 15 min	1 h 15 min	1 h 50 min	
	CGA-DU07 (7.2V/680mAh)			1 h 05 min	1 h 20 min	1 h 20 min	1 h 55 min	
	CGA-DU12 (7.2V/1150mAh)		D300: 1 h 40 min*2 D250: 1 h 45 min*2	2 h 15 min*2	1 h 55 min	2 h 15 min	2 h 15 min	3 h 15 min
	CGA-DU14 (7.2V/1360mAh)		D300: 2 h 05 min*2 D250: 2 h 10 min*2	2 h 50 min*2	2 h 10 min	2 h 40 min	2 h 40 min	3 h 50 min
	CGA-DU21 (7.2V/2040mAh)		D300: 3 h 10 min*2 D250: 3 h 15 min*2	4 h 20 min*2	3 h 15 min	4 h 00 min	4 h 00 min	5 h 45 min
CGA-S303 (7.4V/760mAh)								1 h 20 min
AC Adaptor (2 Battery Charge Type)	VW-AD11E	●	●	●	●	●	●	
SHOOTING								
Tele Conversion Lens	VW-LT3014E		●				●	
	VW-LT3714ME	●			●	●		●
	VW-LT4314NE			●				
Wide Conversion Lens	VW-LW3007E		●				●	
	VW-LW3707M3E	●			●	●		●
	VW-LW4307ME			●				
MC Protector	VW-LMC30E		●				●	
ND Filter	VW-LND30E		●				●	
Filter Kit	VW-LF37WE	●			●	●		
	VW-LF43WE			●				
Stereo Zoom Microphone	VW-VMH3E			●				
Stereo Microphone	VW-VMS2E	●		●	●	●		
Video Flash	VW-FLH3E			●				
Tripod	VW-CT45E	●	●	●	●	●	●	●
Video DC Light	VW-LDH3E			●				
	VW-LDC10E	●		●	●	●		
Light Bulb for Video DC Light	VW-LL3E [for VW-LDH3E]			●				
	VZ-LL10E [for VW-LDC10E]	●		●	●	●		
Jacket Pouch	VW-SJ05E			●	●	●		
DATA TRANSFERRING & RECORDING								
SD Memory Card	RP-SDK026/016/512/SDH256/SD128/064/032 RP-SDQ026/016	●	●	●	●	●	●	●
DV Cable	VW-CD1E			●	●	●	●	
DVD Disc	DVD-RAM: LM-AF60E/DVD-RW: LM-RM60E/ DVD-R: LM-RF30E	●	●					

*1 •We recommend using genuine Panasonic batteries. •Panasonic video cameras are designed for optimal performance when using genuine Panasonic batteries.
•Panasonic are not responsible for any damage or performance loss caused to the video camera, or any other loss or damage resulting from the use of batteries not manufactured by Panasonic.
•In this case, the cost of repairing the video camera is not covered under the guarantee and is the responsibility of the customer.
•Please confirm the latest information about battery on the following website. <http://panasonic.co.jp/pavc/global/cs/info/battery.html> [This website is in English only.]
*2 Recording in LP mode, in DVD-RAM, using EVF.

•Playback is possible on devices that support 8 cm [3"] DVD-Video, but playback on all DVD players is not guaranteed.
•We recommend using the DVD disc and SD Memory Cards made by Panasonic for moving picture recording. Please confirm the latest information about DVD disc and SD Memory Cards that can be used for moving picture recording, on the following website. http://panasonic.co.jp/pavc/global/cs/e_cam [This website is in English only.]
•Some accessories are not available in some countries.

