

SAMSUNG

Far more beyond your view

## Samsung WB700/WB210/PL210

To learn more about Samsung WB700, WB210 and PL210 cameras or to find your nearest retailer, please visit: [www.samsung.com](http://www.samsung.com)



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SAMSUNG



18X



WB700

12X



WB210

10X



PL210

## Zoom in – and get a great shot

Samsung's cutting-edge long zoom cameras make it simple to take high-quality shots from a long distance away. The new long zoom and wide angle WB700, WB210 and PL210 cameras get you up close and next to the action, capturing moments, images and play-by-plays that once were out of reach. These brainy partners zero in, embrace the wide horizon and focus perfectly to deliver long-range effects. With 24x Smart-Zoom (18x Optical Super-Zoom) and 24mm Ultra Wide Angle Lens, the WB700 is the ideal travel companion, whether you journey near or far. The WB210, with 12x Optical Zoom, 21mm Wide Angle Lens and Smart Touch masterfully blends performance and convenience. Its power-packed features let you control effects while its intuitive interface means you never miss a shot. The stylish PL210 is the slimmest 10x Optical Zoom camera, offering Wide Angle Lens and Dual IS, which automatically adjusts when subjects move. It's the complete grab-and-go camera and a snap to use to capture all the busy action from friends and family.

Samsung WB700

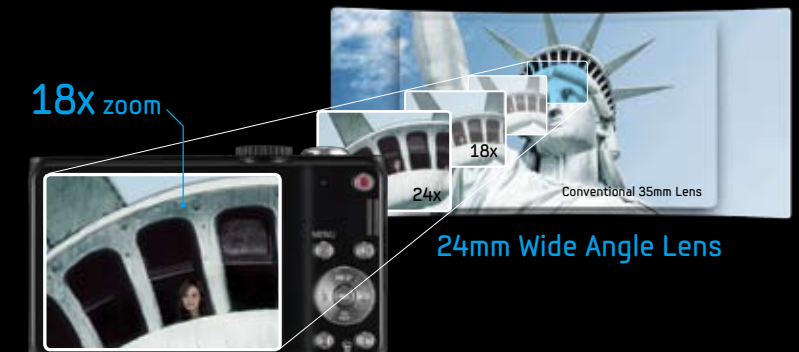
# See beyond the horizon



- 18X Optical Zoom Schneider Kreuznach Lens (24X Smart Zoom)
- 24mm Wide Angle
- Full Manual Mode (A/S/M)
- 14.2M 1/2.3" CCD Image Sensor



At the heart of the Samsung WB700 is a large, highly sensitive 14.2M CCD image sensor, which transforms the light captured by the lens into vividly compelling photos, no matter the shooting conditions. The 24mm Ultra Wide 18x Zoom captures objects in a wider shooting range, so your vision is translated, just as you imagined it. Take photos of distant people and landscapes and the results are right before your eyes. The 24x Smart-Zoom (18x Optical Super-Zoom) renders all the details, detail, sharp and rich. And the 3.0" 230K TFT LCD screen offers a wider, crystal-clear image with improved contrast and true-life color. You always get the best view possible. The Samsung WB700 fits everything you always wanted into the frame.



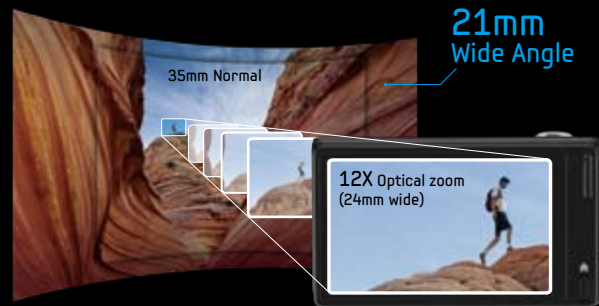
## Samsung WB210

# Just point and it shoots



- **21mm** Super Wide Shot Mode
- **12X** Optical Zoom (**24mm** wide)
- **Smart Touch** in **3.5"** TSP LCD

Wide & Powerful, the Samsung WB210's 12x Optical Zoom captures long-range subjects fast and easily. Choose the 21mm Super Wide Shot Mode Lens setting and you can achieve sweeping panoramic and long-distance shots in a snap. Yet the WB210 is still lightweight and compact, so it goes wherever you do. Add the Smart Touch, the vivid 3.5" Touch LCD display and every option is at your fingertips.



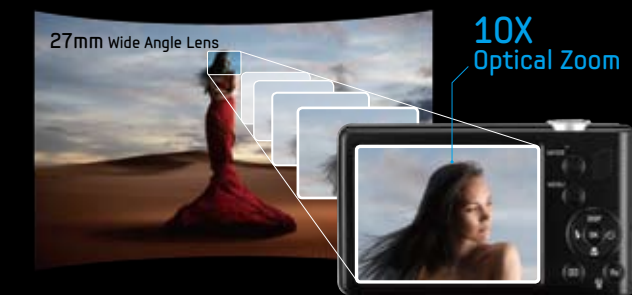
## Samsung PL210

# Compact and fully packed



- The Slimmest **10x** Zoom Compact Camera
- HD Movie (Zoom Noise Reduction)
- Magic Frame Feature

Ultra slim, the long zoom Samsung PL210 camera packs top performance into an elegantly thin 19.7mm case. The Wide Angle Lens and effective 10x Optical Zoom offer multiple shooting options and compositions with deep perspectives in 14.2MP high-quality images. Even slight movement triggers automatic adjusted focusing from the sophisticated DUAL IS (OIS+ DIS). Simple to use, the PL210's comprehensive features deliver crisp and professional-looking shots.



# You want it – you've got it

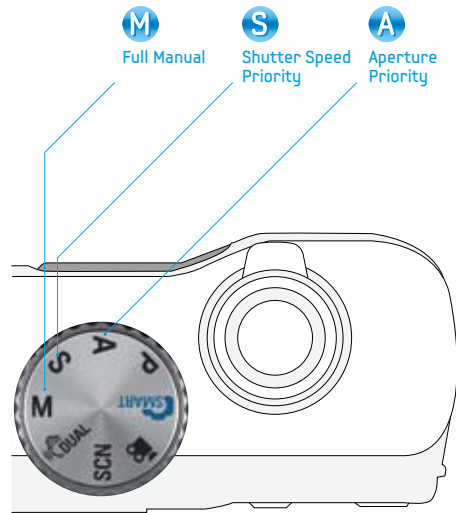
## Get Full Control



Samsung's cameras are specifically designed with powerful and personalized shooting options, such as the Full Manual feature, so advanced users can get the most out of every shot. Full Manual gives you the ability to take complete control and capture the photos exactly as you want them to be. Aperture Priority and Shutter Priority settings let you experiment with shutter speeds and depth of field, so you can shoot fast-moving images in low light. With Samsung cameras, your creativity counts most.



Far more beyond your view



Control Dial

# High-quality movies in the palm of your hand

## 720p @30fps H.264 Movie



The Samsung camera artfully combines a professional-grade still camera with a compact HD video camera. You get 720p HD quality video at 30 frames per second and recording time 4x longer than MJPEG video. Use the 5x zoom to get up close and vividly personal. The HDMI connector lets you watch HD videos on any HDTV or HD monitor. You give up nothing in video recording, except carrying around that extra camera.



# Get zoom without the blur

## Zoom in and stay sharp

## Intelligent Zoom



The automatic Intelligent Zoom feature allows you to zoom in on subjects while still preserving the image's sharpness, details and resolution. You can select the part of the image you want, and Intelligent Zoom will perfectly frame and render the image without any blurry edges. Now, you no longer need to crop out parts of an image or a blurry background after you zoom in. (Only available for WB210 and PL210 models.)



Normal View — 18x — Intelligent Zoom

# Edit before you shoot

## Preview the shot you want

## Smart Zoom (x1.3)



The Smart Zoom feature (x1.3) works by letting you crop and edit as you preview any shot. After zooming in, if there's a part of the image you want to crop at the edge of the frame, or if you want to highlight your subject, use Smart Zoom to compose and sharpen the image and composition. (Only available for WB700 model.)

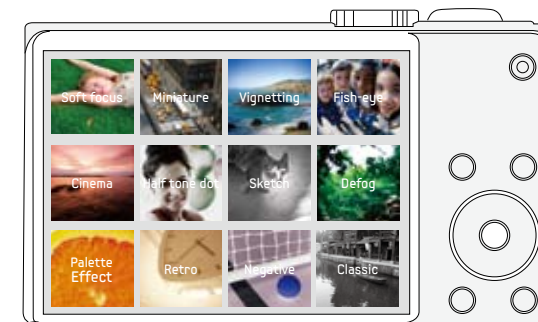


# Invent new looks for your images

## Smart Filter 2.0



Samsung camera's Smart Filter lens and color options make special moods easy for still shots and videos. Tilt & Shift Lens Effect adds a miniaturized look and the Vignetting Effect makes striking compositional contrasts. New special effects include Soft Focus to add an emotional feel, Half-Tone Dot to soften skin tones and Old-Film Effect to set up a retro mood or frame. Color Palette for movies, adds an ultra-vivid vibe. It's now a snap to get creative.



# Fingertip control

## Smart Touch



Just like apps on a touch-screen smartphone, the Samsung camera integrates easy-to-operate touch-screen menus and functions. The key to great performance is easy access and control. The Smart Touch feature offers convenience at your fingertips. Touch the icons on display to quickly launch options and applications that can make your images sharper and easier to capture. Tangible, touchable and intuitive, the Samsung camera's modes and functions are made for effortless images capture. (Only available for WB210 model.)

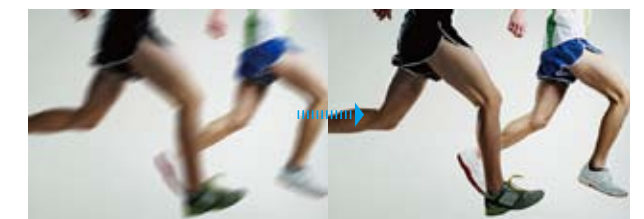


# Say goodbye to shaky shots

## Dual IS



Don't risk ruining that once-in-a-lifetime memory because of a shaking hand or a camera that's not up to the job. The Dual IS (Image Stabilizer) feature automatically adjusts to compensate for even the slightest hand or body movements, resulting in steadier photos. What's more, the Dual IS can maximize the stabilizing area while minimizing shaking so you get crisp shots every time—even while you or the subject is on the move. (Only available for WB700 and PL210 models.)



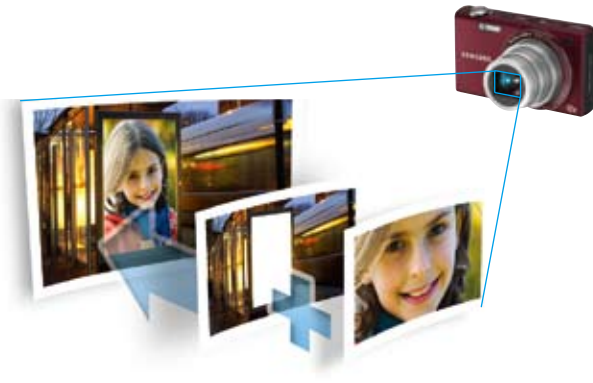
Instable Motion Image without Dual IS

Stable Motion Image with Dual IS

## Edit your own special effects

### Magic Frame

The unique Magic Frame feature allows you to create sophisticated images and poster-quality visuals that express your mood and personality. Just select one of the built-in Magic Frame templates, including Wall Art, Old Film, Ripple, Full Moon, Old Record, Magazine, Holiday, Classic TV and more. Point the camera at the subject you want, match it within the on-screen template and capture. That's it. Your subject now is framed by a special mood and background – like magic.



## Faces in true focus

### Object Highlight

Samsung camera's new Object Highlight feature manages and adjusts image backgrounds so every face appears crisply front and center. It works just like a digital single lens reflex camera to put the emphasis on the portrait. Simply synthesize two images to highlight the face you want and let the background remain in soft focus. Object Highlight is the easy way to showcase all your best pals.



## This camera knows who you love

### Smart Face Recognition

Samsung camera's Smart Face Recognition feature automatically recognizes and adjusts focus and exposure for up to 20 of the faces you shoot most frequently. It identifies your favorites by creating a face image database. The feature also lets you search your photo album via face images so you don't have to browse through every photo when looking for a shot.



## Move with the action

### Track your shot

### Put your moves in focus

### Face Tracking

When the action begins, or your subject starts moving, it can be hard to keep the camera focused. The Intelligent Object Tracking feature automatically focuses on an object while it's in motion, letting you easily track what's going on. Even if the subject is constantly moving or off-center in the frame, the object tracking feature ensures complete focus the entire time.



## Find every photo

## Take your photo album with you Find what you want, when you want it

### Smart Album

With the convenient Smart Album feature, sorting and organizing photos is a snap. You can set up an album with photos sorted by location, content, color palette or themes. Smart Album also lets you browse through photos by the month or another timeline. You can also browse photos by type, such as portraits, couples or group shots. In addition, Smart Album automatically organizes images by file type, including still, video or voice/memo note.



## Super sync

## Instant playback

## Plug & Play convenience

### Built-In S/W Intell-Studio 2.0

The new Samsung camera has a pre-installed software program, the Intell-Studio 2.0, that lets you instantly sync with your PC to upload images or videos. Now you can play, edit or archive video files and images captured on a camera with ease. Intell-Studio 2 automatically launches as soon as you connect the camera to your PC's USB drive – making all your storage and editing needs so much easier.



## Star-studded portraits

### Perfect Portrait System

Using the latest technologies, the Samsung camera's Perfect Portrait System combines all the features you need to create unforgettable portraits. Beauty Shot retouches skin tone and removes flaws on faces, so portraits look bright and perfect. Face Detection automatically detects and adjusts focus and exposure. And the convenient Red-eye Fix feature eliminates these glitches, so you never need to reshoot.



Beauty Shot



Blink Detection

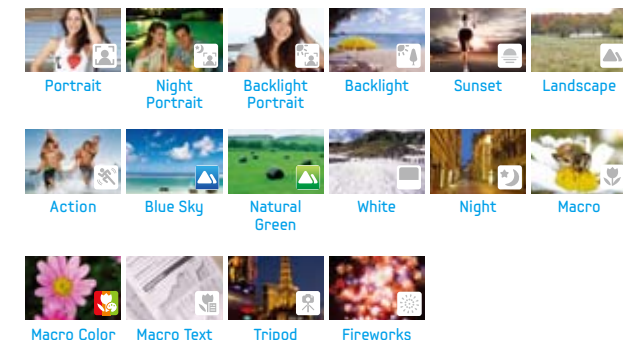


Smile Shot

























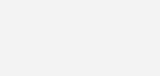
## Shoot like a pro

### Smart Auto 2.0 (Still & Movie)

Smart Auto 2.0 turns fleeting moments into perfect memories with professional-style results. Whether it's friends at last night's party or moonbeams reflecting off the water, Smart Auto 2.0 (still and movie) analyzes key elements in the composition and automatically adjusts its 16 photo modes and 4 movie modes to capture the best shot. And since life never stops moving, the camera's Object Tracking feature captures subjects that don't, or won't, stand still.



# System Development

<b>Samsung WB700</b> 	<b>Samsung WB210</b> 	<b>Samsung PL210</b> 
<b>Battery / Charger</b> SLB-11A  BC1UA5 	<b>Battery / Charger</b> BP85A  BC1UA5 	<b>Battery / Charger</b> BP85A  BC1UA5 
<b>Cases</b> CCWB500B  CC9U11B 	<b>Cases</b> CC9U11B  CC9U21B / P 	<b>Cases</b> CC9U11B  CC9U21B / P 
<b>Others</b> CB20A12 (AV Cable)  CB20U12 (USB+Charge)  CBHD10D (HDMI Cable)  AK11B2G (Accessory Kit) 	<b>Others</b> CB20A12 (AV Cable)  CB20U12 (USB+Charge)  CBHD10D (HDMI Cable) 	<b>Others</b> CB20A12 (AV Cable)  CB20U12 (USB+Charge)  CBHD10D (HDMI Cable) 

# Specifications



		<b>Samsung WB700</b>		
Image Sensor	Type	1/2.33" (approx 7.76mm) CCD		
	Effective Pixel	Approx. 14.2 Mega-pixel		
Lens	Total Pixel	Approx. 16.4 Mega-pixel		
	Focal Length	Schneider-KREUZNACH f = 4.06 ~ 73.08mm (35mm film equivalent : 24~432 mm)		
	F No.	F3.2(W) ~ F5.8(T)		
	Digital Zoom	Still Image mode - Super resolution : 1.0X~1.5X after optical Zoom - Extra Zoom : Crop Zoom 1.0X~2.0X (Extra Zoom on) - Digital Zoom: 1.0X ~ 4.0X : Optical Zoom(X18) --> Super resolution(X1.5) --> Extra Zoom(X2) or Digital Zoom(X4) Play mode : 1.0X ~ 12.5X (depends on image size)		
Image stabilization		Dual IS (OIS + DIS) * OIS (Optical Image Stabilization), DIS (Digital Image Stabilization)		
	Display	Type	LCD	
	Feature	3.0" (7.62cm), QVGA		
Viewfinder		N/A		
Focusing	Type	TTL auto focus (Center AF, Multi AF, Selection AF, Manual Focus, Face Tracking AF, Object Tracking AF)		
	Range	Normal : 50cm ~ Infinity (Wide), 2m ~ Infinity (Tele) Macro : 3cm~50cm (Wide), 1.5m ~ 2m (Tele) Auto Macro : 3cm~Infinity (Wide), 1.5m~ Infinity (Tele) Manual : 3cm ~ Infinity (Wide), 1.5m ~ Infinity (Tele)		
Shutter Speed		Auto : 1/8 ~ 1/2000 sec., Program : 1 ~ 1/2000 sec., M : 16 ~ 1/2,000 sec. Night : 8 ~ 1/2,000 sec., Fireworks : 4 sec.		
Exposure	Control	Program AE, Shutter AE, Aperture Priority AE or Manual Exposure		
	Metering	Multi, Spot, Center Weighted, Face Detection AE		
	Compensation	±2EV (1/3EV steps)		
	ISO Equivalent	Auto, 80, 100, 200, 400, 800, 1600, 3200		
Flash	Modes	Auto, Auto & Red-eye reduction, Fill-in flash, Slow sync, Flash Off, Red-eye fix		
	Range	Wide : 0.3m ~ 3.3m, Tele : 0.5m ~ 1.8m (ISO AUTO) * Flash EVC : ±5EV (1/2 steps)		
	Recharging Time	Approx. 4 sec.		
Sharpness		5 steps (Soft+, Soft, Normal, Vivid, Vivid+)		
White Balance		Auto WB, Daylight, Cloudy, Fluorescent_H, Fluorescent_L, Tungsten, Custom, K		
Still Image	Shooting	<ul style="list-style-type: none"> <li>• Mode : Smart Auto, Program, Aperture Priority, Shutter Speed Priority, Manual, Scene, Movie, Dual IS</li> <li>• Scene : Beauty Shot, Night, Landscape, Text, Sunset, Dawn, Backlight, Beach &amp; Snow</li> <li>• Smart Auto : Portrait, Night Portrait, Backlight Portrait, Macro Portrait, Night, Backlight, Landscape, White, NaturalGreen, BlueSky, Sunset, Macro, Macro Text(with Smart Guide), Macro Color, Tripod, Action</li> <li>• Drive : Single, Continuous, AEB, Motion Capture</li> <li>• Self-timer : Off, 2 sec., 10 sec., Double</li> </ul>		
		Effect	<ul style="list-style-type: none"> <li>• Image Adjust : Sharpness, Contrast, Brightness, Saturation, ACB</li> <li>• Smart Filter: Miniature, Vignetting, Fish Eye1, DeFog, Sketch Effect, Soft focus, Half tone, Old movie 1, Old movie 2, Classic, Negative, Retro, Custom RGB</li> </ul>	
		Edit	<ul style="list-style-type: none"> <li>• Image Edit : Resize, Rotate, Trimming</li> <li>• Smart Filter : Miniature, Vignetting, Fish Eye1, DeFog, Sketch Effect, Soft focus, Half tone, Old movie 1, Old movie 2, Classic, Negative, Retro, Custom RGB</li> <li>• Image Adjust : Face Retouch (Level 1,2,3), Red eye fix, Snow, Mosaic, Highlight, Brightness, Contrast, Saturation, Red Eye Fix, ACB, Add Noise</li> </ul>	
Image Play		<ul style="list-style-type: none"> <li>• Single image, Thumbnails, Smart Album, Advanced Slide show, Movie Clip, Magazine Album</li> <li>• Slide show : Slide show with Effect &amp; Music</li> <li>- Smart Album Category: Type, Date, Color, Week, Face (External Memory card is needed for Sorting the photos by Face)</li> </ul>		
	Voice Recording	Container : *.WAV Voice Recording (max. 10 hours) Voice Memo in Still Image (max. 10 sec.) With Stereo Recording		
Date Imprinting		Date&Time, Date, Off (user selectable)		
Movie Clip	Feature	<ul style="list-style-type: none"> <li>• With Audio or without Audio or ZNR (Zoom Noise Reduction) (Max Recording time : 20min)</li> <li>Movie Size : 1280x720(30/15fps) High Quality, 1280x720(30/15fps) Standard Quality, 640x480(30/15fps) , 320x240 (30/15 fps)</li> <li>• Smart Movie : Landscape, BlueSky, NaturalGreen, Sunset</li> <li>• Smart Filter: Miniature, Vignetting, Fish Eye1, DeFog, Sketch Effect, Half tone, Old movie 1, Old movie 2, Classic, Negative, Retro, Custom RGB, Hollywood1,2,3,4</li> </ul>		
		Effect	Pause during recording, Still Image Capture, Time Trimming	
		Movie Editing	Still Image Capture, Time Trimming	
Multimedia Function	MP3	N/A		
	PMP	N/A		
	Text Viewer	N/A		
	World Tour Guide	N/A		
Additional Function	N/A			
Storage	Media	External memory: SD Card(up to 4GB guaranteed)		
		SDHC (up to 8GB guaranteed) SDXC (up to 64GB guaranteed)*, supported as a Firmware update on April in 2011.		
File format	Image Size	Still Image : JPEG, DCF, EXIF 2.21, DPOF 1.1, PictBridge 1.0		
		Movie Clip : Container : MP4, Video : H.264, Audio : AAC		
		14M : 4320x3240		
		12M P : 4320x2880		
		10M : 3648x2736		
		10M W : 4320x2432		
		8M: 3264 x 2448		
		5M: 2592 x 1944 pixels		
		2MW: 1920 x 1080 pixels		
		1M: 1024 x 768 pixels		
Interface	Remocon	N/A		
	Digital Output Connector	USB 2.0		
	Audio	Microphone : Stereo Internal Speaker : Mono		
Video Output		AV : NTSC, PAL (user selectable)		
		HDMI 1.3 (CEC) : NTSC, PAL (user selectable) (Built-in HDMI Type D)		
DC power input	4.4V			
Power Supply	Power Source	Rechargeable battery : SLB-11A (1,130mAh), 110min		
		Connector Type : 20pin Adaptor : SAC-48, USB/Charging Cable : CB20U05A, AV Cable : SCC-AV20		
Physical Specification	Dimension (WxHxD)	99.5x59x21.7(TBD)		
Special Feature		<ul style="list-style-type: none"> <li>• Full Manual Mode (A/S/M Support)</li> <li>• Movie Recording button</li> <li>• Support Raw file format</li> <li>• Built in HDMI Type D with Anyret+ (CEC) + 20Pin Connector</li> <li>• Flash Manual Adjustment(Timing, Light Quantity)</li> <li>• Smart Auto (Still/Movie)</li> <li>• Smart Filter 2.0</li> <li>• Perfect Portrait System</li> <li>• Built-in S/W (IntelliStudio) - supporting F/W Update</li> </ul>		
	<b>System Requirement</b>			
	For Intello-Studio	For Windows	Intel Pentium 4, 3.2GHz or later / AMD Athelon 64FX, 2.6GHz or later Minimum 512MB RAM (Over 1GB recommended) Windows XP / VISTA / 7 250 MB (Over 1GB recommended) CD-ROM Drive USB 2.0 Microsoft 9.0c or later Over 1024x768 pixels, 16 bit color monitor or later	
		For Macintosh	Not support	
	For USB Connection	For Windows	Windows 2000/XP/Vista	
		For Macintosh	Mac OS X 10.3 or higher	

# Specifications

Image Sensor	Type	1/2.3" CCD (Approx. 7.76mm)
	Effective Pixel	Approx. 14.0 Mega pixel
	Total Pixel	Approx. 16.44 Mega pixel
Lens	Focal Length	Schneider-KREUZNACH f=4.0~48mm (35mm film equivalent : 24~288mm) f=3.5mm (35mm film equivalent : 21mm)
	F No.	F2.9(W)-F5.9(T) (f=4.0~48mm) F3.4(W) (f=3.5mm)
	Digital Zoom	Still Image mode : 1.0X ~ 5.0X Play mode : 1.0X ~ 13.5X (depends on image size)
	Image Stabilization	OIS (Optical Image Stabilization)
Display	Type	TFT LCD
	Feature	3.5" (8.9cm) Wide 1,152K Full Touch LCD
Viewfinder	Type	N/A
Focusing	Type	TTL auto focus(Center AF, Multi AF, One Touch Shooting, Smart Touch AF, Face Detection AF, Smart Face Recognition AF)
	Range	Normal : 80cm ~ infinity Macro : 5cm ~ 50cm (Wide), 100cm ~ 200cm (Tele) Auto Macro : 5cm ~ Infinity (Wide), 100cm ~ Infinity (Tele)
Shutter Speed	Shutter Speed	Smart Auto : 1/8~1/2000 sec. Program : 1 ~ 1/2,000 sec. Night : 8 ~ 1/2,000 sec. Fireworks : 2 sec.
	Exposure	Control Program AE Metering Multi, Spot, Center Weighted, Face Detection AE Compensation ±2EV (1/3EV steps) ISO Equivalent Auto, 80, 100, 200, 400, 800, 1600, 3200(Up to 3M)
Flash	Modes	Auto, Auto & Red-eye reduction, Fill-in flash, Slow sync, Flash Off, Red-eye fix
	Range	Wide : 0.2m ~ 3.45m, Tele : 1.0m ~ 1.7m (ISO AUTO)
	Recharging Time	Approx. 4 sec.
White Balance	Type	Auto, Daylight, Cloudy, Fluorescent_H, Fluorescent_L, Tungsten, Custom
Home Screen	Feature	<ul style="list-style-type: none"> <li>1st Page : Easy Shot, Super Wide Shot, Close-up Shot, P Mode, Timer Shot, One Touch Shot, Album, Settings</li> <li>2nd Page : HD Movie Recording, SD Movie Recording, Smart Filter, Palette Effect Recording, Magic Frame Shot, Object Highlight, Beauty Shot, Night Shot</li> <li>3rd Page : Help, Magazine, Slide Show, Edit, Delete, Reset</li> </ul>
Still Image	Shooting	<ul style="list-style-type: none"> <li>Mode : Easy Shot, Super Wide Shot, Close-up Shot, P Mode, Timer Shot, One Touch Shot, Smart Filter, Magic Frame Shot, Object Highlight, Beauty Shot, Night Shot</li> <li>* Smart Auto : Landscape, BlueSky, NaturalGreen, Sunset, White, Night, Backlight, Portrait, Night Portrait, Backlight Portrait, MacroPortrait, Macro, MacroText, MacroColor, Fireworks, Tripod, Action</li> <li>Continuous: Single, Continuous, Motion Capture, AEB</li> <li>Self-timer : Off, 10 sec, 2 sec, Double</li> </ul>
	Effect (Preview)	<ul style="list-style-type: none"> <li>Image Adjust : Sharpness, Contrast, Saturation</li> <li>Smart Filter2.0 : Miniature, Vignetting, Soft Focus, Old Film 1, Old Film 2, Half Tone Dot, Sketch, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> </ul>
	Edit (Playback)	<ul style="list-style-type: none"> <li>Image Edit : Resize, Rotate, Trimming</li> <li>Image Adjust : Brightness, Contrast, Saturation, ACB, Face Retouch, Red Eye Fix</li> <li>Smart Filter2.0 : Miniature, Vignetting, Soft Focus, Cinema 1, Cinema 2, Half Tone Dot, Sketch, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> </ul>
Image Play	Type	Single image, Thumbnails, Advanced Slide show, Movie Clip, Smart Album * Slide show : Slide show with Effect & Music * Smart Album Category: Date, Face, Type (External Memory card is needed for Sorting the photos by Face)
	HDMI (Play)	1080i, 720P, 480P
Voice Recording	Feature	Voice Recording (max. 10 hours) Voice Memo in Still Image (max. 10 sec.)
Date Imprinting	Feature	Date&Time, Date, Off (user selectable)
Movie Clip	Recording	<ul style="list-style-type: none"> <li>Mode : Easy Shot, HD Movie Recording, SD Movie Recording, Smart Filter, Palette Effect Recording</li> <li>* Smart Movie : Landscape, Blue Sky, Natural Green, Sunset, Action</li> <li>Size : High Quality - 1280x720 (30/15fps) Standard Quality - 640x480(30/15fps) , 320x240</li> </ul>
	Effect (Preview)	<ul style="list-style-type: none"> <li>Smart Filter 2.0 : Palette Effect 1, Palette Effect 2, Palette Effect 3, Palette Effect 4, Miniature, Vignetting, Half Tone Dot, Sketch, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> </ul>

Samsung WB210



Effect	Effect	(30/15fps) * 12X Optical Zoom enable With Audio or without Audio (Max recording time : 20min), Sound Alive ON/OFF/Mute (Sound Alive ON is default)
	Edit	Pause during recording, Still Image Capture, Time Trimming
	Storage	Media Internal memory : 10 MB External memory : Micro SD Card (up to 2GB guaranteed) Micro SDHC (up to 8GB guaranteed)
File Format	Media	DCF, EXIF 2.21, DPOF 1.1, PictBridge 1.0 Still Image : JPEG Movie Clip : MP4 (Video: MPEG4.AVC/H.264) Audio : AAC
	Image Size	14M : 4320x3240 12M P : 4320x2880 10M W : 4224x2432 10M : 3648x2736 5M : 2592x1944 3M : 1984x1488 2M W : 1920 x1080 1M : 1024x768
Interface	Digital Output Connector	USB 2.0, 20 pin connector
	Audio	Microphone : Mono Internal Speaker : Mono
Video Out	Video Out	AV : NTSC, PAL (user selectable) HDMI 1.4 : NTSC, PAL (user selectable), HDMI Type D * Remarks : HDMI function is available when connected through Type D HDMI Cable (optional).
	DC power input	20pin, 4.2V
Cradle	Power Source	Rechargeable battery : BP85A (Min. 850mAh, 3.7V, 3.14Wh) Charger: SAC-48(Adaptor), CB20U05B(charge cable) DC power input connector : 20pin * Included battery may vary depending on sales region.
	Physical Specification	Dimension (WxHxD) 100.9 X 59.35 X 22.4mm Weight 174g (without battery and card) Operating Temperature 0 ~ 40 °C Operation Humidity 5 ~ 85%
Software	Software	Intelli-studio(Built-in), Adobe Reader
Special Feature	Special Feature	<ul style="list-style-type: none"> <li>The Slimmest Body with 12X Optical Zoom</li> <li>Home Button / Home Screen</li> <li>Extra zoom</li> <li>Outfocusing Portrait</li> <li>Dream shot</li> <li>Smart Face Recognition</li> <li>Smart Album</li> <li>Perfect portrait system</li> </ul>
	System Requirement	For Windows PC with processor better than Pentium IV 3.2 GHz / AMD Athlon FX 2.6 GHz Minimum 512MB RAM (Over 1GB recommended) Windows XP/ Vista/ 7 250MB of available hard-disk space (Over 1GB recommend) USB port CD-ROM drive nVIDIA Geforce 7600GT or later / Ati X1600 series or later 1024x768 pixels, 16-bit color display compatible monitor (1280x1024, 32-bit color display recommended) Microsoft DirectX 9.0c or later
System Requirement	For Macintosh	Power Mac G3 or later Mac OS 10.4 or higher Minimum 256MB RAM 110MB of available hard-disk space USB port CD-ROM drive

# Specifications

Image Sensor	Type	1/2.3" (Approx. 7.76mm) CCD
	Effective Pixel	Approx. 14.2 Mega pixel
	Total Pixel	Approx. 14.5 Mega pixel
Lens	Focal Length	Samsung Lens f = 4.85 ~ 48.5mm (35mm film equivalent : 27~270 mm)
	F No.	F3.3(W) ~ F5.9(T)
	Digital Zoom	Still Image mode : 1.0X ~ 5.0X (Optical x Digital : 50.0X), Play mode : 1.0X ~ 13.5X (depends on image size)
	Intelli Zoom	1.0 ~ 2.0
Image stabilization	Type	Dual IS (OIS + DIS)
	Feature	* OIS (Optical Image Stabilization), DIS (Digital Image Stabilization)
Display	Type	TFT LCD
	Feature	3.0" (7.62cm) 230K
Viewfinder	Type	N/A
Focusing	Type	TTL auto focus (Multi AF, Center AF, Face Detection AF, Object Tracking AF, Smart Face Recognition AF), Movie AF (CAF)
	Range	Normal : 80cm ~ infinity, 200cm ~ Infinity (Tele) Macro : 5cm~80cm (Wide), 150cm ~ 200cm (Tele) Auto Macro : 5cm~Infinity (Wide), 150cm~ Infinity (Tele)
Shutter Speed	Shutter Speed	Smart Auto : 8 ~ 1/2,000 sec., Program : 1 ~ 1/2000 sec., Night : 8 ~ 1/2,000 sec.
	Exposure	Control Program AE Metering Multi, Spot, Center-weighted, Face Detection AE Compensation ±2EV (1/3EV steps) ISO Equivalent Auto, 80, 100, 200, 400, 800, 1600, 3200(Full Size)
Flash	Modes	Flash Off, Auto, Auto & Red-eye reduction, Fill-in flash, Slow sync, Red-eye fix
	Range	Wide : 0.3m ~ 3.3m(ISO AUTO), Tele : 0.5m ~ 1.8m (ISO AUTO)
	Recharging Time	Approx. 4 sec.
Sharpness	Feature	Soft+, Soft, Normal, Vivid, Vivid+
White Balance	Type	Auto, Daylight, Cloudy, Fluorescent_H, Fluorescent_L, Tungsten, Measure : Shutter
Still Image	Shooting	<ul style="list-style-type: none"> <li>Mode : Smart Auto, Program, Dual IS, Scene, Movie</li> <li>* Smart Auto : White, Macro Color, Portrait, Night Portrait, Backlight Portrait, Backlight, Landscape, Action, Tripod, Night, Macro, Macro Text(with Smart Guide), BlueSky, Sunset, NaturalGreen, Fireworks</li> <li>* Scene Magic Frame, Beauty Shot, Portrait Highlight, Night, Landscape, Text, Sunset, Dawn, Backlight, Beach &amp; Snow</li> <li>Drive : Single, Continuous, AEB, Motion Capture</li> <li>Self-timer : Off, 2 sec., 10 sec., Double</li> </ul>
	Effect(Preview)	<ul style="list-style-type: none"> <li>Smart Filter : Miniature, Vignetting, Half Tone Dot, Sketch, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> <li>Image Adjust : Sharpness, Contrast, Saturation(5 steps)</li> </ul>
	Edit (Playback)	<ul style="list-style-type: none"> <li>Image Edit : Resize, Rotate, Trimming</li> <li>Smart Filter : Miniature, Vignetting, Soft Focus, Old film 1, Old film 2, Half Tone Dot, Sketch, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> <li>Image Adjust : ACB, Red Eye Fix, Saturation, Face Retouch, Brightness, Contrast, Add Noise</li> </ul>
Image Play	Type	Single image, Thumbnails, Advanced Slide show, Movie Clip, Smart Album * Slide show : Slide show with Effect & Music * Smart Album Category: Type, Date, Color, Week, Face
	Voice Recording	Voice Recording (max. 10 hours) Voice Memo in Still Image (max. 10 sec.)
Date Imprinting	Feature	Date&Time, Date, Off (user selectable)
Movie Clip	Recording	<ul style="list-style-type: none"> <li>Size : High Quality 1280x720 (30fps &amp; 15fps) - Per one file : Max. 4GB Standard Quality 640x480 (30fps &amp; 15fps) , 320x240 (60fps &amp; 30fps &amp; 15fps)</li> <li>Zoom : Optical 10X (W/ LDC)</li> <li>* Smart Movie : Landscape, Blue Sky, Natural Green, Sunset</li> <li>* Due to the noise while optical zooming, user can select to record sound or not. (Voice recording selectable : Sound Alive On/ Sound Alive Off/ Off)</li> <li>Max Recording time : 20min</li> </ul>
	Effect (Preview)	<ul style="list-style-type: none"> <li>Smart Filter 2.0 : Palette Effect 1, Palette Effect 2, Palette Effect 3, Palette Effect 4, Miniature, Vignetting, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> </ul>

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Effect (Preview)	Effect (Preview)	<ul style="list-style-type: none"> <li>Setting : OIS On/ Off</li> <li>Smart Filter 2.0 : Palette Effect 1, Palette Effect 2, Palette Effect 3, Palette Effect 4, Miniature, Vignetting, Fish Eye, Defog, Classic, Retro, Negative, Custom RGB</li> <li>Setting : OIS On/ Off</li> </ul>
	Edit(Playback)	Pause during Recording and Playing, Still Image Capture
	Storage	Media External memory : Micro SD Card (up to 4GB guaranteed) Micro SDHC (up to 8GB guaranteed) Internal Memory : 30MB
File Format	Media	Still Image : JPEG (DCF), EXIF 2.21, DPOF 1.1, PictBridge 1.0 Movie Clip : AVI(MJPEG) Audio : WAV
	Image Size	14M : 4320x3240 12M P : 4320x2880 10M W : 4320x2432 10M : 3648x2736 5M : 2592x1944 3M : 1984x1488, 2MW : 1920x1080 1M : 1024x768
Interface	Digital Output Connector	USB 2.0
	Audio	Microphone : Mono Internal Speaker : Mono
Video Output	Video Output	AV : NTSC, PAL (user selectable)
	DC power input	4.2V
Power Supply	Power Source	Rechargeable battery : BP85A Charger : BC1UA5 Connector Type : 20pin * Included items may vary depending on sales region
	Physical Specification	Dimension (WxHxD) 100.4x58.5x19.7 Weight 148g Operating Temperature 0 ~ 40 °C Operation Humidity 5 ~ 85%
Software	Camera Driver	N/A
Special Feature	Application	Intelli-studio
	Special Feature	<ul style="list-style-type: none"> <li>27mm Wide angle, 10x zoom</li> <li>14.2Mega Pixels</li> <li>Optical Image Stabilization &amp; Digital Image Stabilization</li> <li>3.0" LCD (230K)</li> <li>HD Movie(720p@30fps)</li> <li>Smart Auto (Still &amp; Movie)</li> <li>Smart Filter 2.0</li> <li>Sound Alive</li> <li>Smart Face Recognition &amp; Face Tracking</li> </ul>
System Requirement	For Windows	Intel Pentium 4, 3.2GHz or higher / AMD Athlon 64FX, 2.6GHz or higher Windows XP service pack2 / Vista Minimum 512MB RAM (1GB and above recommended) 64MB or greater video card (nVIDIA Geforce 7600GT or higher / ATI X1600 series or higher recommended)
	For Macintosh	1.8GHz Power Mac G5 or 1.83GHz Intel Core Duo or faster Macintosh computer At least 256MB of RAM 64MB or greater video card