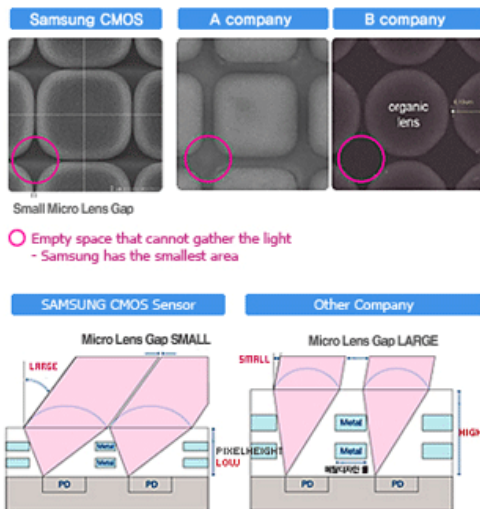


# 14.6 M Pixels

Advanced digital SLR camera with 14.6 mega pixel image CMOS sensor (Powered by SAMSUNG)  
 Optical Image Stabilization with Image Sensor Shift Mechanism  
 Resistant to water and dust  
 Dual Dust Removal System (Vibrating Sensor & Special anti-dust coating)



With the GX-20, experience a more beautiful world



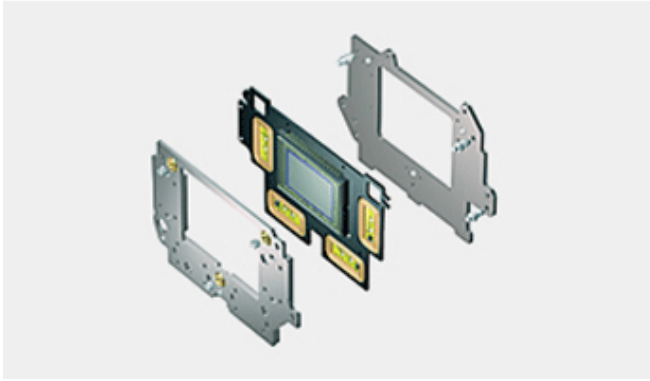
The world is brighter and more vivid that you can see, and it's more bountiful than you can feel. With a 14.6 Megapixel APS-C size CMOS image sensor, you'll see an entirely new world. Excellent out-focusing allows you to capture an amazingly vivid image, and superior definition means you'll always get the ultimate brightness. With 14.6 Megapixels in an APS-C size (23.4x15.5mm), the GX-20 offers the greatest resolution in its class. Further, its sturdy 5.0-size pixels - the smallest in their class - ensure the most vibrant image around.

"My Settings" function makes operations easier and more convenient.



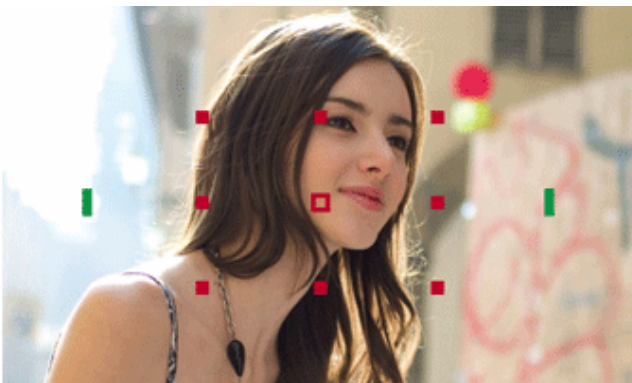
The "My Settings" mode on the GX-20 lets you pre-select the modes you prefer to use most often. Modes such as Shutter Priority, Aperture Priority, Auto, Program, Manual and others. Additionally in the P(program) mode, you can choose either Front E-Dial or Rear E-Dial, and you can use the functions faster and more easily with the Green Button to automatically adjust exposure during manual photography.  
 TV: Shutter Speed priority  
 Green Button: return to Auto mode  
 AV: Aperture Priority

### OIS Image Sensor for Perfect Stabilization - Built in Optical Anti-Shake Function



The GX-20's built-in OIS gives you clear, steady pictures in low light situations in which the shutter speed is slow, or even if you're using a lens with no anti-shake function. The GX-20's OIS prevents shake by means of a center plate positioning that moves in the opposite direction of shaking. This feature ensures detailed, vivid pictures even in conditions of less-than-desirable illumination.

### Precise Auto Focus with 11 focus points



The GX-20 measures 11 focus points to include subjects at different distances. Specifically, 9 central focus points adjust the focus accurately from any direction - vertically and horizontally. Two additional left and right focus points give the GX-20 great focussing flexibility. Also provided is the focus point converting function (by which a user can choose the location of the Auto Focus subject) and the super-impose function for adding a red highlight at the focus point.

### Large 2.7" LCD monitor



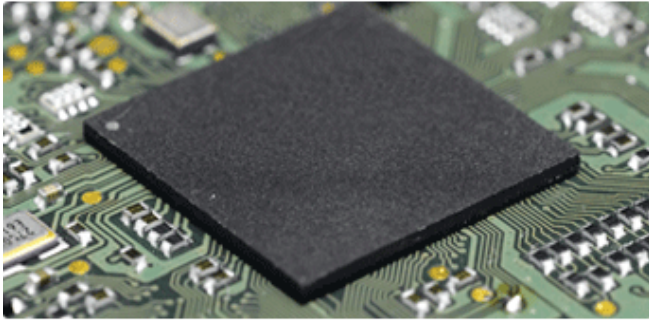
Viewfinders are the method of choice for DSLR cameras. As such, LCD displays have rarely been used, or have only been of small size (1.8 to 2.0 inches). Superior to the GX-10's 2.5" LCD, the GX-20 features a new 2.7" high-resolution LCD monitor providing an ultra-wide viewing angle covering all directions. The 230,000-pixel high-resolution LCD guarantees clear image preview as well as convenience in using the menu with an outstanding visibility.

### A registrant to water & dust function - lets you freely take pictures on dusty or rainy days

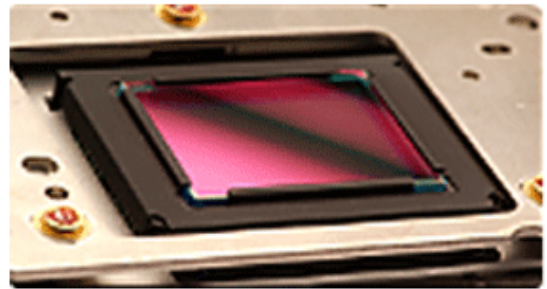


Including the shutter button and dial, the GX-20 features 72 locations that are perfectly sealed with silicone to shield the camera's insides from water, dust, sand, and other potentially harmful intruders. Regardless of weather or environment, the GX-20 is designed to always enable a free and vibrant shooting experience.

Fast imaging process, excellent color representation



The Dual Dust Removal Function ensures a cleaner and clearer image



GX-20 utilizes a cutting-edge semiconductor processor and Samsung high-speed DDR2 memory to realize fast, high-quality imaging. The DSP enables more natural definition, a wide range of gradation, continuous shooting, and a prompt response to dynamic subjects.

Be free of even the finest dust GX-20 stays cleaner than the rest. It's not the weather's fault, nor is it your fault. When your picture has a mysterious flaw, it's because of dust inside the camera. With a special coating and a vibration mechanism, the GX-20's image sensor stays free of even the finest dust to deliver the cleanest and most vivid picture imaginable. The world looks even better through a clean window. One tiny speck of dust on the image sensor can become a major flaw in your pictures. The GX-20's image sensor features a special coating that resists dust and protects picture quality.

#### Image Sensor

Type	23.4x15.5 mm, CMOS
Effective Pixels	Approx. 14.6 Mega-pixel
Total Pixels	Approx. 15.1 Mega-pixel

#### Lens

Mount	PENTAX KAF2 bayonet mount
Usable Lens	Schneider D-XENON, D-XENOGON, SAMSUNG lens* PENTAX DSLR lenses are available* KAF2, KAF, KA mount lenses

#### Viewfinder

Type	Pentaprism, Natural-Bright-Matte II Focusing Screen
Field of View	95%
Magnification	Approx. 0.95X (50 mm F1.4 lens*)
Diopter Adjustment	-2.5 ~ + 1.5 m-1
LCD Monitor	Low-temperature polysilicon TFT color LCD Monitor, 2.7"(Approx. 230K pixels), Brightness & Color control, Wide angle view

#### Preview

Type	Live View, Optical Preview, Digital Preview
<b>Focusing</b>	
Type	TTL phase-matching 11-point AF
Modes	AF Single, Continuous AF, Manual focus
<b>Shutter</b>	
Type	Electronically controlled vertical-run focal plane shutter
Speed	Auto: 1/4000 sec. ~ 30 sec. (No step)Manual:1/4000 sec. ~ 30 sec. (1/3 EV or 1/2 EV step)Bulb
<b>Exposure Control</b>	
Metering System	TTL open-aperture 16-segmentMetering : Multi, Center-weighted, SpotMetering range : EV0 ~ 21 (ISO 100-50 mm F1.4)
Modes	Auto, Program, Shutter Priority AE, Aperture Priority AE, Sensitivity Priority AE, Shutter & Aperture Priority, Manual, Bulb, Flash X-sync, Wireless Mode
Compensation	±3 EV (1/2 EV step) , ±2 EV (1/3 EV step)
AE Lock	AEL
ISO	Auto, 100, 200, 400, 800, 1600, 3200 (1/3 EV or 1/2 EV step)6400 (Expanded)Bulb : Max. 1600
<b>Flash</b>	
Type	Built-in retractable P-TTL pop-up flash
Modes	Auto, Fill-in, Auto & Red eye, Fill-in & Red eye, Front curtain synchro, Front curtain synchro & Red eye, Rear curtain synchro
Guide Number	13 (at ISO 100)
Angle of View Coverage	28 mm wide-angle (Equivalent to 35 mm)
Sync. Speed	1/180 sec., Red-eye reduction (Control Range : -2 ~ +1 EV)
Recharging Time	Approx. 3.6 sec.
External Flash	SEF-36PZF, SEF-54PZF (optional)
<b>White Balance</b>	
Modes	Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent (W, D, N), Flash, Manual, Color Temperature (1, 2, 3)
<b>Shooting</b>	
Modes	Auto, Program, Sensitivity Priority, Shutter Priority, Aperture Priority,Shutter & Aperture Priority, Manual, Bulb, Flash X-sync., User mode
Live View	Field of View : Approx. 97%Magnification(4X, 8X), Grid display, AF Frame
Drive Modes	Single, Continuous (Hi, Standard), Self-timer (12sec., 2sec.), Remote ControlAuto Bracket, Expand Bracket, Multi Exposure
Picture Wizard	Standard, Vivid, Portrait, Landscape, Custom 1, Custom 2* Parameter : ±4 (9-step)
Continuous	JPEG : 3 fps (Hi Continuous : up to 38 shots)2.3 fps (Standard Continuous : depends on memory capacity)RAW: 3 fps (Hi Continuous : up to 16 shots)2.3 fps (Standard Continuous : up to 16 shots)

## Shake Reduction

Type	Image Sensor Shift
Effective Range	Max. 4 EV (depends on lens and shooting conditions)

## Storage

Media	SD (up to 4 GB guaranteed), MMC (up to 2 GB guaranteed),SDHC (up to 8 GB guaranteed)
File Format	RAW (DNG), JPEG (DCF), EXIF 2.21, DPOF 1.1, PictBridge 1.0
Image Size	14.6 M (4672 × 3104), 10 M : 3872 × 2592, 6 M : 3008 × 2000, 2 M : 1824 × 1216 (JPEG)14.6 M : 4672 × 3104 (RAW)
Capacity (512MB)	14.6 M : RAW 2114.6 M : Super Fine (1)35, Super Fine(2)61, Fine 109, Normal 21310 M : Super Fine (1)52, Super Fine (2)87, Fine 153, Normal 3196 M : Super Fine (1)91, Super Fine (2)147, Fine 254, Normal 4742 M : Super Fine (1)239, Super Fine (2)381, Fine 639, Normal 1060 These figures are measured under Samsung's standard conditions and may vary depending on shooting conditions and camera settings

## Image Play

Type	Single image, Thumbnail, Rotate, Slide Show (4-type Transition Effect), Histogram, Magnification (up to 32X)
Editing	Rotate, Digital Filter, Picture Wizard
Digital Filter	B&W (4 types), Sepia (3 types), Color Selection (18 types), Color (6 types), Soft (3 steps), Illustration, HDR (3 steps), Slim (±8 steps), Brightness (±8 steps)

## Power Source

Dedicated battery	Lithium ion battery : SLB-1674, Charger : SBC-L6,
Battery life	Approx. 500 min./1,000 shots (without flash on), Approx. 430 min./860 shots (with flash 50% on), Approx. 400 min./800shots (with flash 100% on)

## Physical Specification

Dimensions (WxHxD)	142 mm × 101 mm × 71.5 mm (excluding the projecting parts of the camera)
Weight	727 g (Body only) , 806 g (Memory card & Battery included)
Operating Temperature	0 ~ 40 °C
Operating Humidity	5 ~ 85%

## Software

Camera Driver	Storage Driver (Windows 2000/ME/XP/VISTA, Mac OS 10.2 or later)
Application	Samsung Master, Samsung RAW Converter 2.0, Adobe Reader

## OS

For Windows	PC with processor better than Pentium III 450 MHz(Pentium 800 MHz recommended)Windows 2000/ME/XP/VistaMinimum 256 MB RAM (512 MB recommended)250 MB of available hard disk space (1 GB recommended)USB portCD-ROM drive1024 x 768 pixels, 16-bit color display compatible monitor(24-bit color display recommended)* Samsung Raw Converter 2.0Pentium 4 or later is recommendedWindows XP service pack 2/Vista 32bit (64-bit OS is unsupported)Minimum 1 GB RAM1024 x 768 pixels, 24-bit color display compatible
For Machintosh	Power Mac G4 or laterMac OS 10.2 or later Minimum 256 MB RAM250 MB of available

hard-disk space USB port CD-ROM drive

