

# Samsung ST77 Digital Camera Technical Specifications

## Image Sensor

- CCD Image Sensor
- Approx 16.1 Megapixels
- Approx 16.4 Megapixels

## Display

- TFT LCD
- 2.7" Size (6.9cm)
- 2.7" (6.9cm) 230000k-dots (QVGA) Display

## Exposure

- Program AE
- Multi, Spot, Centre Weighted, Face Detection AE
- Compensation:  $\pm 2EV$  (1/3EV Step)
- Auto, 80, 100, 200, 400, 800, 1600, 3200

## Still Image

- Mode: Smart Auto, Program, Scene, OIS, Picture-in-Picture, Live Panorama  
Smart Auto: Portrait, Night Portrait, Backlight Portrait, Night, Backlight, Landscape, White, NaturalGreen, BlueSky, Sunset, Macro, Macro Text, Macro Colour, Tripod, Action, Fireworks  
Scene: Funny Face, Intelligent Portrait, Magic Frame, Beauty-Shot, Night, Landscape, Text, Sunset, Dawn, Backlight, Beach&Snow

## Movie Clip

- 5x Optical Zoom enable (Max Recording time: 20min)
  - ▶ Mode: Smart Movie, Movie  
Smart Movie: Landscape, Blue Sky, Natural Green, Sunset
  - ▶ Size: 1280 x 720 HQ (30fps, 15fps) - Per one file: Max. 4GB / 640 x 480 (30fps, 15fps) / 320 x 240 (30fps, 15fps)  
Due to the noise while optical zooming, user can select to record sound or not. (Voice recording selectable: Sound Alive On / Sound Alive Off / Mute)
- ▶ Smart Filter 2.0: Palette Effect 1, Palette Effect 2, Palette Effect 3, Palette Effect 4, Miniature, Vignetting, Fish Eye, Defog, Classic, Retro, Negative
- Pause during Recording and Playing, Still Image Capture

## **Power**

- Rechargeable Battery: BP-70A (740mAh, Min 700mAh)  
Charger: AC adapter, Micro USB cable  
Connector Type: Micro USB  
Included Battery may Vary Depending on Sales Region

## **System Requirement in General**

- Ex) Power Mac G3 or later,  
Mac OS 10.4 or later,  
256MB (Min) RAM (512MB or more Recommended),  
110MB (Min) of available Hard-Disk Space  
USB Port,  
CD-ROM Drive
- Ex) PC with Processor Better than Intel Pentium III 500MHz  
(Intel Pentium 800MHz or Higher Recommended)  
Genuine Windows XP / Vista / 7  
256MB (Min) RAM (512MB or more Recommended)  
250MB of available Hard Disk Space (1GB or more Recommended)  
USB Port  
CD-ROM Drive  
1024 x 768P / 16bit Colour Display Compatible Monitor  
(24bit Colour Display Recommended)  
Microsoft Direct X 9.0c or later

## **Lens**

- Samsung Lens  $f = 4.5 \sim 22.5\text{mm}$  (35mm Film Equivalent: 25 ~ 125mm)
- F2.5 (W) ~ F6.3 (T)
- 5x Optical Zoom Lens
- Still Image Mode: 1 - 5x  
(optical x digital: 25x)  
Play Mode: 1 - 14.4x (Depends on Image Size)

## **Focusing**

- (Multi AF, Centre AF, Face Detection AF, Object Tracking AF, Smart Face Recognition AF)
- • Normal : 80cm ~ infinity (Wide), 150cm ~ infinity (Tele)  
• Macro: 5cm ~ 80cm (Wide), 100cm ~ 150cm (Tele)  
• Auto Macro: 5cm ~ Infinity (Wide), 100cm ~ Infinity (Tele)

## Flash

- Auto, Auto & Red-eye reduction, Fill-in flash, Slow sync, Flash Off, Red-eye fix
- • Wide: 0.2m ~ 3.5m
- • Tele: 1m ~ 2m (ISO AUTO)
- Approx. 4sec Recharging Time

## Image Play

- Single image, Thumbnails, Advanced Slide show, Movie Clip, Smart Album  
Slide show: Slide show with Effect & Music  
Smart Album Category: Type, Date, Colour, Week, Face

## Storage

- Micro SD Card (up to 2GB guaranteed) / Micro SDHC (up to 8GB guaranteed)
- DCF, EXIF 2.21, DPOF 1.1, PictBridge 1.0
  - Still Image: JPEG
  - Movie Clip: AVI (MJPEG)
  - Audio file: WAV
- 16M: 4608 x 3456, 14M P: 4608 x 3072, 12M W: 4608 x 2592, 10M: 3648 x 2736, 5M: 2592 x 1944, 3M: 1984 x 1488, 2M W: 1920 x 1080, 1M: 1024 x 768

## Physical Specification

- 90.05 x 52.6 x 16.9 (19.5)mm
- 101g (without Battery)
- Ex) 0 - 40 °C Operating Temperature
- ex) 5 - 85% Operating Humidity

## Image Stabilization

- OIS (Optical Image Stabilization)

## Shutter Speed

- • Smart Auto: 1/8 ~ 1/2000 sec.
- • Program: 1 ~ 1/2000 sec.
- • Night: 8 ~ 1/2000 sec.

**White Balance**

- Auto, Daylight, Cloudy, Fluorescent\_H, Fluorescent\_L, Tungsten, Custom

**Date Imprinting**

- Date & Time / Date / Off (User Selectable)

**Interface**

- USB 2.0 (Hi-Speed)
- • Microphone: Mono
  - Internal Speaker: Mono
- AV: NTSC, PAL (user selectable)
- 5V

**S/W and PC OS**

- Software CD included
- Compatible OS: Windows XP SP2 / Vista / Windows 7