

## 2. Product specifications

### 2-1. Feature & Specifications

| Feature  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>▶ Supreme Digital Interface &amp; Networking               <ul style="list-style-type: none"> <li>- With a built-in HD digital tuner, it supports HD broadcasting with no particular set-top box and provides simple access with a single remote control.</li> </ul> </li> <li>▶ Excellent Picture Quality</li> <li>▶ Dynamic Contrast               <ul style="list-style-type: none"> <li>- Automatically detects the input visual signal and adjusts to create optimum contrast.</li> </ul> </li> <li>▶ DTV Tuner, HDMI, Stereo, Dolby Digital support</li> <li>▶ Convenience               <ul style="list-style-type: none"> <li>-The TV utilizes the HDMI system to implement perfect digital sound and picture quality.</li> </ul> </li> </ul> |   |  |
| Specifications   |   |  |
| Item   | Description   |  |
| Model  | P2270HD   | P2370HD  |
| LCD Panel  | TFT-LCD Panel, RGB Vertical stripe, normally White, 22-Inch viewable, 0.24825(H) X 0.24825(V)mm Pixel Pitch | TFT-LCD Panel, RGB Vertical stripe, normally White, 23-Inch viewable, 0.2655 (H) X 0.2655 (V) mm Pixel Pitch |
| Scanning Frequency   | Horizontal : 30 kHz ~ 81 kHz (Automatic)<br>Vertical: 56 Hz ~ 75 Hz(Automatic)                              | Horizontal : 30 kHz ~ 81 kHz (Automatic)<br>Vertical: 56 Hz ~ 75 Hz(Automatic)                               |
| Display Colors   | 16.7 Million colors   | 16.7 Million colors  |
| Maximum resolution   | Horizontal: 1920pixels<br>Vertical: 1080pixels  | Horizontal: 1920pixels<br>Vertical: 1080pixels   |
| Input Signal   | Analog 0.7 Vp-p $\pm 5\%$ positive at 75 $\Omega$ , internally terminated                                   | Analog 0.7 Vp-p $\pm 5\%$ positive at 75 $\Omega$ , internally terminated                                    |
| Input Sync Signal  | Type : Seperate H/V<br>Level : TTL level  | Type : Seperate H/V<br>Level : TTL level   |
| Maximum Pixel Clock rate   | 138.5 MHz   | 138.5 MHz  |
| Active Display (Horizontal/Vertical)   | 476.64(H) X 268.11(V)   | 509.76 (H) X 286.74 (V)  |
| AC power voltage & Frequency   | AC 110 ~ 240V, 50 ~ 60 Hz   | AC 110 ~ 240V, 50 ~ 60 Hz  |
| Power Consumption  | 51W < 2W  | 51W < 2W   |
| Dimensions Set (W x H x D)   | 536.3mm X 66.1mm X 345.2mm (Without Stand)<br>536.3mm X 189.5mm X 403.0mm (With Stand)                      | 571mm X 65.5mm X 364.5mm (Without Stand)<br>571mm X 189.5mm X 432.5mm (With Stand)                           |
| Weight Set (After installation Stand)  | 5.2kg (Product) / 6.4kg (Packing)   | 5.8Kg (Product) / 7.5Kg (Packing)  |
| TV System  | Tuning : Frequency Synthesize   |  |
|  | System : NTSC, ATSC, QAM  |  |
|  | Sound : MONO, STEREO  |  |

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| Specifications               |   |         |
|------------------------------|---|---------|
| Item                         | Description   |         |
| Model                        | P2270HD   | P2370HD |
| Environmental Considerations | Operating Temperature: 50°C ~ 104°F(10°C ~ 40°C)<br>Operating Humidity : 10% ~ 80%<br>Storage Temperature: -4°C ~ 113°C(-20°C ~ 45°C)<br>Storage Humidity: 5% ~ 95%   |         |
| Antenna Input                | 75Ω   |         |
| Sound Characteristic         | -MAX Internal speaker Out : Right : 3W / Left : 3W<br>-BASS Control Range : -8 dB ~ + 8dB<br>-TREBLE Control Range : -8 dB ~ +8 dB<br>-Headphone Out : 10 mW MAX<br>-Output Frequency : RF : 80 Hz ~ 15 kHz<br>A/V : 80 Hz ~ 20 kHz |         |

2-2. Spec Comparison to the Old Models



| Model                  | Ecofit-MFM<br>P2270HD / P2370HD   | CREAM-MFM<br>2333HD   |
|------------------------|---|---|
| Design                 |  |  |
| Screen Size            | 22" / 23"   | 23"   |
| Resolution             | 1920X1080 (FHD) 60Hz  | 1920X1080 (FHD) 60Hz  |
| Brightness             | 300cd/m2  | 300cd/m2  |
| Contrast Ratio         | 1000:1  | 1000:1  |
| Response Time          | 5ms   | 5ms   |
| Viewing Angle          | Left/Right/Up/Down : 80°/80°/80°/80°  | Left/Right/Up/Down : 80°/80°/80°/80°  |
| PC Input               | D-SUB, DVI  | D-SUB, DVI  |
| Power Consumption      | 51W   | 54W   |
| DPMS                   | Less than 2W  | Less than 2W  |
| Sound Output           | 3W x 2  | 3W x 2  |
| Dynamic Contrast Ratio | 50000:1   | 10000:1   |
| Sound Effect           | Dolby Digital Plus,<br>SRS TruSurround HD   | Dolby Digital   |

Image Size : If the resolution is not wide resolution, this option allows the screen size to be selected as normal or wide.

2-3. Accessories

| Product   | Description  | Ccde. No    | Remark                                |
|---|--|-------------|---------------------------------------|
|    | Remote Control<br>&<br>Batteries (AAA x 2)                     | BN59-00865A | Samsung Electronics<br>Service center |
|    | Power Cord   | 3903-000042 |                                       |
|    | Stand Body   | BN96-09628C |                                       |
|    | Stand Base   | BN96-11315A |                                       |
|   | D-Sub Cable  | BN39-00244G |                                       |
|  | User's Guide,<br>Monitor Driver,<br>Natural Color Pro Software | BN59-00910C |                                       |
|  | Cleaning Cloth   | BN63-01798B |                                       |
|  | Holder-Cable   | BN96-06529A |                                       |