

Samsung VM46B-U LCD Indoor

Brand : Samsung

Product family: VMB-U

Product code:  
LH46VMBUBGBXEN

Product name : VM46B-U

46", IPS FHD (1920 x 1080), 1200:1, 8 ms, 45000:1, 24/7, HDMI, USB, LAN, 1022 x 577 x 69.9 mm  
Samsung VM46B-U. Display diagonal: 116.8 cm (46"), Display resolution: 1920 x 1080 pixels, Display technology: LCD, Display brightness: 500 cd/m², HD type: Full HD, Operating hours (hours/days): 24/7.  
Product colour: Black



| Display                      |                     | Ports & interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                |             |
|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Display technology *         | LCD                 | USB ports quantity                                                                                                                                                                                                                                                                                                                                                                                                                                | 1           |
| Display diagonal             | 116.8 cm (46")      | HDCP                                                                                                                                                                                                                                                                                                                                                                                                                                              | ✓           |
| Display resolution           | 1920 x 1080 pixels  | HDCP version                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.2         |
| HD type                      | Full HD             | IR input ports quantity                                                                                                                                                                                                                                                                                                                                                                                                                           | 1           |
| Panel type                   | IPS                 | Audio input                                                                                                                                                                                                                                                                                                                                                                                                                                       | ✓           |
| Aspect ratio                 | 16:9                | Audio output                                                                                                                                                                                                                                                                                                                                                                                                                                      | ✓           |
| Pixel pitch *                | 0.53 x 0.53 mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Display brightness *         | 500 cd/m²           | Power                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |
| Pixel frequency              | 82 MHz              | Power consumption (typical) *                                                                                                                                                                                                                                                                                                                                                                                                                     | 160 W       |
| Contrast ratio (typical)     | 1200:1              | Energy efficiency scale                                                                                                                                                                                                                                                                                                                                                                                                                           | A to G      |
| Contrast ratio (dynamic)     | 45000:1             | Energy efficiency class (SDR)                                                                                                                                                                                                                                                                                                                                                                                                                     | G           |
| Response time                | 0.008 s             | Energy consumption (SDR) per 1000 hours                                                                                                                                                                                                                                                                                                                                                                                                           | 128 kWh     |
| Viewing angle, horizontal    | 178°                | AC input voltage                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100 - 240 V |
| Viewing angle, vertical      | 178°                | AC input frequency                                                                                                                                                                                                                                                                                                                                                                                                                                | 50 - 60 Hz  |
| Horizontal scan range        | 62.7 - 72.3 kHz     | Operational conditions                                                                                                                                                                                                                                                                                                                                                                                                                            |             |
| Vertical scan range          | 57 - 63 Hz          | Operating temperature (T-T)                                                                                                                                                                                                                                                                                                                                                                                                                       | 0 - 40 °C   |
| Operating hours (hours/days) | 24/7                | Operating relative humidity (H-H)                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 - 90%    |
| Design                       |                     | Logistics data                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |
| Placement supported *        | Indoor              | Harmonized System (HS) code                                                                                                                                                                                                                                                                                                                                                                                                                       | 85285210    |
| Orientation *                | Horizontal/Vertical | Sustainability                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |
| Bezel width (side)           | 1.25 mm             | FCC (USA) Part 15, Subpart B Class<br>ACE (Europe) : EN55032 : 2012 or 2015 □ EN55024:2010 or EN 55035:2017VCCI (Japan) : VCCI CISPR32:2016 Class BKCC/EK (Korea) : Tuner : KN13 / KN20Tunerless : KN22 / KN24BSMI (Taiwan) : CNS13438 ( ITE EMI ) Class A / CNS14336-1 ( ITE Safety ) / CNS15663 (RoHS)C-Tick (Australia) : AS/NZS CISPR32:2015CCC(China) :GB/T9254-2008, GB17625.1-2012GOST(Russia/CIS) : ROCT CISPR 24-2013/ROCT CISPR 22:2005 |             |
| Bezel width (top)            | 2.25 mm             |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Bezel width (bottom)         | 2.25 mm             |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| VESA mounting                | ✓                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Panel mounting interface     | 600 x 400 mm        |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Product colour               | Black               | Certification                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |
| Panel colour                 | Black               |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Ports & interfaces           |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| HDMI ports quantity          | 2                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| HDMI version                 | 2.0                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| DVI port                     | ✓                   | Weight & dimensions                                                                                                                                                                                                                                                                                                                                                                                                                               |             |
| DisplayPorts quantity        | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| DisplayPort version          | 1.2                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| Ethernet LAN                 | ✓                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
|                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
|                              |                     | Width                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1022 mm     |

| Ports & interfaces         |   | Weight & dimensions |         |
|----------------------------|---|---------------------|---------|
| Ethernet LAN (RJ-45) ports | 1 | Depth               | 69.9 mm |
| RS-232 input ports         | 1 | Height              | 577 mm  |
| RS-232 output ports        | 1 | Weight              | 15.7 kg |
| RS-232C                    | ✓ | Packaging data      |         |
| USB port                   | ✓ | Package width       | 1193 mm |
|                            |   | Package depth       | 257 mm  |
|                            |   | Package height      | 719 mm  |
|                            |   | Package weight      | 22.2 kg |



8806094366082

### Catalog Object Cloud



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