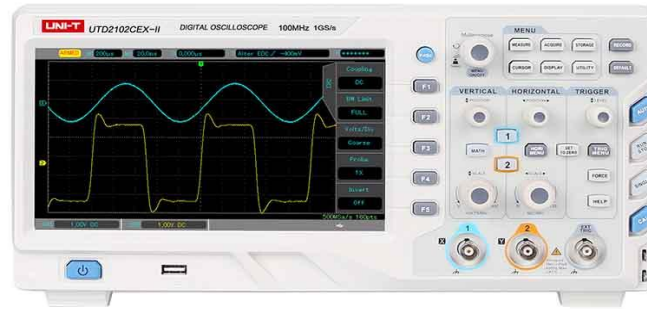




## Digital Storage Oscilloscope

### Features & Benefits:

1. 100MHz bandwidth, 1GSa/s real-time sampling rate
2. 2 channels
3. 25kpts memory depth
4. 20,000wfms/s waveform acquisition rate
5. 2ns/div~50s/div time-base
6. Trigger modes: Edge, Pulse Width, Runt, Over-amplitude, Slope and Video
7. Calibration signal output: 10Hz, 100Hz, 1kHz (default), 10kHz and 100kHz
8. Input calibration signal only by pressing a button
9. 10Mpts waveform recording
10. 8-inch TFT LCD, WVGA (800×480)
11. USB OTG and Pass/Fail interfaces

| Specifications                      | UTD2102CEX-II                                                                                                                                                                                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Channels</b>                     | 2                                                                                                                                                                                                                                                                                                                     |
| <b>Bandwidth</b>                    | 100MHz                                                                                                                                                                                                                                                                                                                |
| <b>Sample rate</b>                  | 1GS/s (single channel), 500MS/s (dual channel)                                                                                                                                                                                                                                                                        |
| <b>Rise time</b>                    | ≤3.5ns                                                                                                                                                                                                                                                                                                                |
| <b>Memory depth</b>                 | 25kpts                                                                                                                                                                                                                                                                                                                |
| <b>Waveform acquisition rate</b>    | ≥20,000wfms/s                                                                                                                                                                                                                                                                                                         |
| <b>Vertical sensitivity (V/div)</b> | 1mV/div~20V/div (1MΩ)                                                                                                                                                                                                                                                                                                 |
| <b>Time-base range (s/div)</b>      | 2ns/div~50s/div                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>                      | Setup, Waveform, Bitmap                                                                                                                                                                                                                                                                                               |
| <b>Trigger mode</b>                 | Edge, Pulse Width, Runt, Over amplitude, Video, Slope                                                                                                                                                                                                                                                                 |
| <b>Trigger frequency</b>            | 6 bits                                                                                                                                                                                                                                                                                                                |
| <b>Trigger type</b>                 | Auto, normal, single                                                                                                                                                                                                                                                                                                  |
| <b>Pluse Width range</b>            | 100ns~10s                                                                                                                                                                                                                                                                                                             |
| <b>Signal mode and Line/Field</b>   | Supports standard NTSC and PAL signal mode, line range is 1~525 (NTSC) and 1~625 (PAL)                                                                                                                                                                                                                                |
| <b>Auto measurement</b>             | Max, Min, Peak-Peak, Amplitude, Top, Bottom, Cycle Average, Ave rage, Crms, RMS, Area, Cycle area, Overshoot, Preshoot, RPRE, FPPE, Rise Time, Fall Time, Frequency, Period, Pulse Width, +Wid th, -Width, Burst Width, +Duty, -Duty, Phase, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, 34 measuring parameters in total |
| <b>Storage waveform</b>             | 20 internal settings/waveform, 200 settings/waveform in U disc, de ep storage CSV in U disc                                                                                                                                                                                                                           |
| <b>Interface</b>                    | USB OTG, Pass/Fail                                                                                                                                                                                                                                                                                                    |

**General Characteristics**

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Power</b>                | 100~240VACrms, 50/60Hz                                                                                                 |
| <b>Display</b>              | 8-inch TFT LCD, 800×RGB×480                                                                                            |
| <b>Product color</b>        | White and gray                                                                                                         |
| <b>Product net weight</b>   | 3.35kg                                                                                                                 |
| <b>Product size (W×H×D)</b> | 336mm×164mm×108mm                                                                                                      |
| <b>Standard accessory</b>   | Power cord, USB cable, 2 sets of passive probes (100MHz), PC software CD (with manual and application software inside) |

**SARS Technical System**

**Addrss:** House # 55/3/8 (Ground Floor), North Pিরerbagh, Mirpur, Dhaka-1216, Bangladesh  
**Mob:**+88 01913 748765, 01770 888314, **E-mail:** [sarslab.eee@gmail.com](mailto:sarslab.eee@gmail.com), rubel\_sars@yahoo.com  
**Website:**[www.sarsbd.com](http://www.sarsbd.com)