UNI-T®

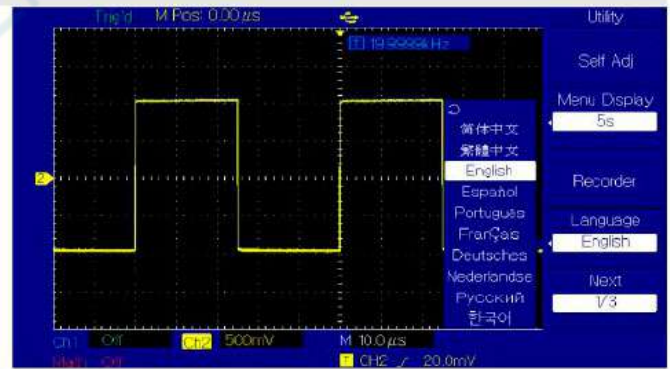# UTD2000CEXSeries Digital Storage Oscilloscope

● Introduction

UTD2000CEX is a double channel 100MHz bandwidth, the maximum sampling rate of 1GS/s economic digital storage oscilloscope, to meet the key needs of basic measurement, simple and clear front panel design, more convenient for users to operate.
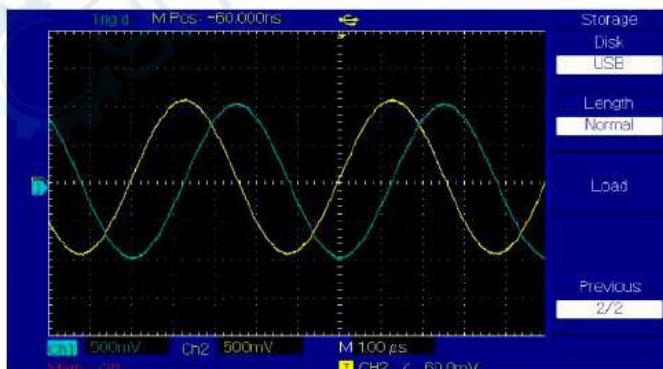
● Features

- 50/70/100MHz bandwidth ,1GSa/s real-time sampling rate,2 channels
- Low bottom noise, wide range vertical gear 1 mv/div~20 v/div
- multiple national languages
- Supports plug-and-play USB storage device. Communication with and remote control of computer through the USB device
- USB drive system software upgrade
- Storage of waveform setups and interface waveform and setup reproduction
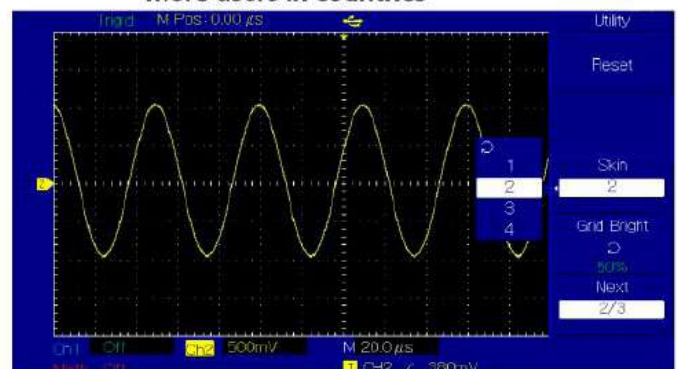- 7 inch widescreen LCD display

Application features

Multiple automatic parameter measurements

Multilingualism to meet the needs of more users in countries

USB drive system software upgrade and Storage of waveform setups

Simple and clear multiple style interfaces bring different experiences

Technical Specifications

model	UTD2052CEX	UTD2072CEX	UTD2102CEX
Channels	2		
Bandwidth	50MHz	70MHz	100MHz
Sample Rate	1 GS/s		
Rise Time	≤7ns	≤5ns	≤3.5ns
Memory Depth	25kpts		
Waveform Acquisition Rate	≥2,000wfms/s		
Vertical Sensitivity (V/div)	1mV/div ~ 20V/div		
Timebase Range (s/div)	2ns/div ~ 50s/div		
Storage	Setup, Wave, Bitmap		

Tigger

Trigger frequency meter	6 bit	
Trigger Modes	Edge, Pluse, Alternate	
Range of trigger level	Interior	From The screen center ±5div
	EXT	±3V
Hold-off Range	80ns ~ 1.5s	

Edge Tigger

Edge Type	Rise,Fall,rise&fall

Pluse width trigger

Tigger mode	> = <
Pluse width range	20ns ~ 10s

Alternating trigger

CH1	Edge, Pluse
CH2	Edge, Pluse

Measure

Cursor	manual mode	Voltage difference between cursor （ΔV）, time difference between cursor （ΔT）, reciprocal of ΔT （Hz） (1/ΔT)
	Tracking pattern	Voltage and time values of waveform points
	automatic mode	Display cursor for automatic measurement
automatic measurement		Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width,+Duty, -Duty,Delay
Math		'+, -, ×, ÷ opposition
Waveform Storage		20 sets of waveforms、20 sets waveforms
FFT	Window	Hanning、Hamming、Blackman、Rectangular
	sampling point	1024 points
Figure Li Shayu	Bandwidth	50MHz/70MHz/100MHz
	phase difference	±3 degrees
Interface	USB OTG	

General Characteristics

Power	100V ~ 240VACrms，50Hz/60Hz
Display LCD	7in-ch TFT LCD ,WVGA(800×480)
Product Color	White and grey
Product Net Weight	2.2 kg
Product Size (W×H×D)	306mm×134mm×122mm
Standard Quantity Per Carton	2 Pcs
Standard Carton Measurement (L×W×H)	450mm× 420mm × 280mm
Standard Carton Gross Weight	8.5 kg

Ordering Information

UTD2000CEX	UTD2102CEX (100MHz, 25Kpts, 2-Channel)	UTD2102CEX
	UTD2072CEX (70MHz, 25Kpts, 2-Channel)	UTD2072CEX
	UTD2052CEX (50MHz, 25Kpts, 2-Channel)	UTD2052CEX
Standard Accessories	Power cord conforming to the standard of the destination country	/
	USB interface cable	UT-D05
	Passive Probe x 2 (1 x , 10 x switchable, 100MHz,)	UT-P04
	Quick Guide	/
	Product warranty	/
	Communications control software	/