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UTG900Plus Series

Function/Arbitrary Waveform Generators

Data Sheet

V1.0

September, 2026

Key Features

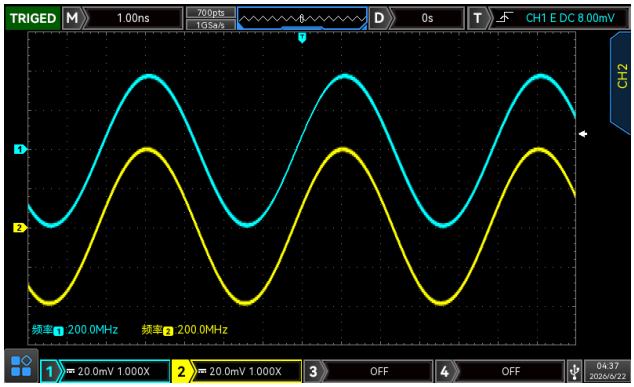
- Standard dual-channel configuration with equivalent performance and independent channel output mode
- Maximum output amplitude: 20 Vpp
- Maximum sample rate: 1.25 GSa/s, 16-bit vertical resolution
- Supported fundamental waveforms: Sine, Square, Ramp, Pulse, Harmonics, Noise, Pseudo-Random Binary Sequence (PRBS), Direct Current (DC), Arbitrary Waveform, Noise, Multi-pulse, and Expressions.
- Sine wave phase noise: ≤-130 dBc/Hz @10 kHz (Typ.)
- Adjustable noise bandwidth
- Sine-wave output frequencies of 200 MHz, 160 MHz, 120 MHz, and 80 MHz, with 1 μHz frequency resolution across the entire frequency range
- Square-wave output frequencies of 50 MHz, 40 MHz, 30 MHz, and 20 MHz; edge time < 5 ns; adjustable duty cycle
- Pulse output frequencies of 50 MHz, 40 MHz, 30 MHz, and 20 MHz, with wide dynamic range and high precision; adjustable rise and fall times and duty cycle
- Generate 2nd to 16th harmonics with independent phase and amplitude control
- Supports point-by-point and DDS modes; generates arbitrary waveforms from 8 points to 128 Mpts; stores more than 200 sets of non-volatile digital arbitrary waveforms
- Stores up to 1 GB of arbitrary waveform files (.bsv or .csv)
- Reads arbitrary waveform files (.bsv or .csv) from a USB flash drive
- Extensive modulation types: AM, FM, PM, DSB-AM, QAM, ASK, FSK, 3FSK, 4FSK, PSK, BPSK, QPSK, OSK, PWM, and SUM
- Supports frequency sweep and pulse train functions
- Supports noise superposition
- Built-in hardware frequency counter: 600 MHz; AC or DC coupling
- PC software and arbitrary waveform editor software
- 7-inch capacitive touchscreen with a resolution of 1024 × 600
- Standard interfaces: USB Host, USB Device, LAN, and independent 10 MHz clock input and output
- Compatible with NeptuneLab laboratory management software

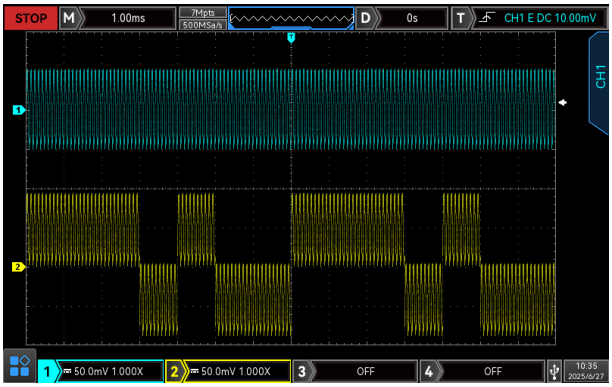
Design Features

High-Performance Independent Dual-Channel Output

The UTG900Plus series arbitrary waveform generator can output continuous waves up to 200 MHz.

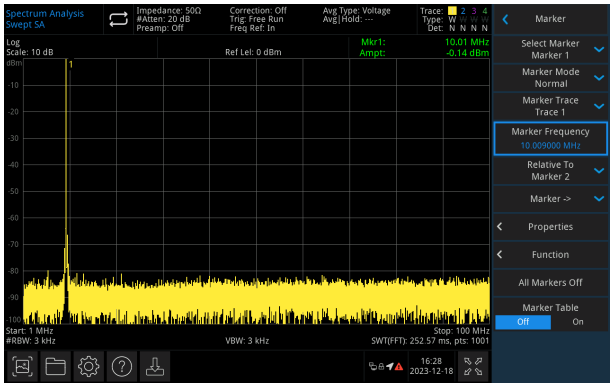
Frequency, amplitude, and phase can be coupled between channels; channels can be combined for output.



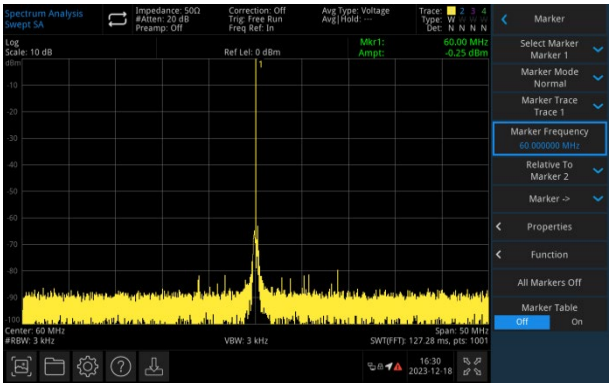


Low-Distortion Continuous Waveform Output

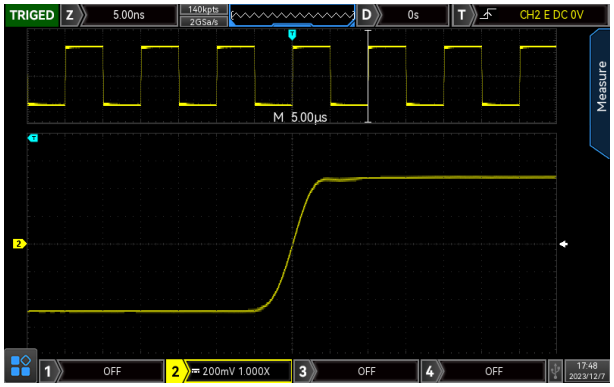
Supports sine, square, ramp, pulse, arbitrary, harmonic, noise, DC, and PRBS waveform generation, with low distortion, low jitter, and high signal-to-noise ratio output.

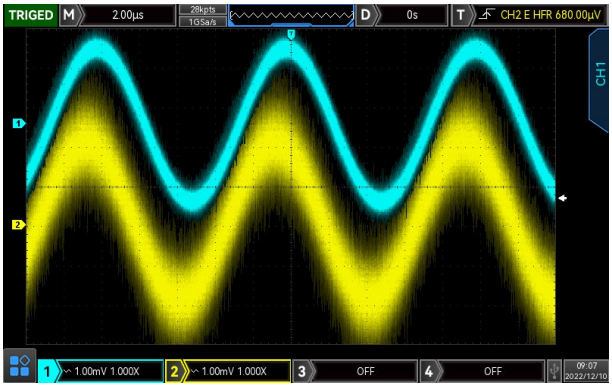


Solid harmonic distortion performance



80 dBc SFDR (Spurious-Free Dynamic Range)





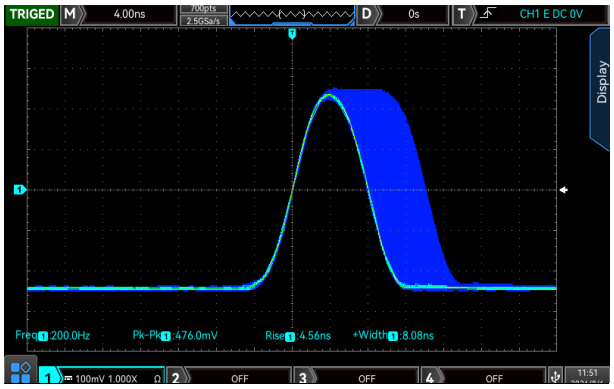
Advanced digital sampling technology for lower output waveform jitter. Supports small-signal superimposition on a large DC offset, resulting in lower output noise and a higher signal-to-noise ratio

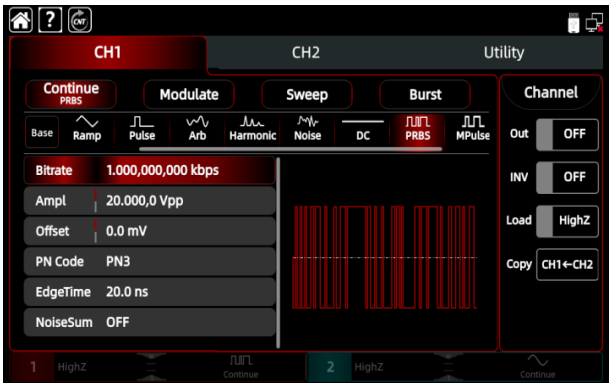
Pulse Waveforms and Fast Edge Times

Adjustable edge-time pulses offer a minimum pulse width of ≥8 ns, with fine width control and a minimum step size of 100 ps. The instrument can generate pulses with rich harmonic content and provides dedicated pulse-generator functions, with edge times adjustable down to 5 ns.

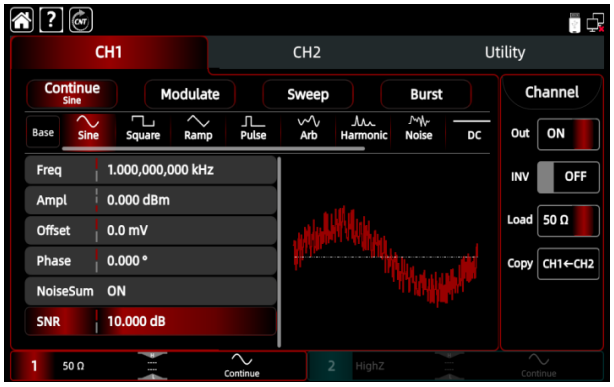
Pseudo-Random Binary Sequence (PRBS)

The instrument supports PRBS patterns from PRBS3 to PRBS33, with bit rates ranging from 1 μbps to 150 Mbps. Edge times are adjustable from 5 ns to 1 ks.

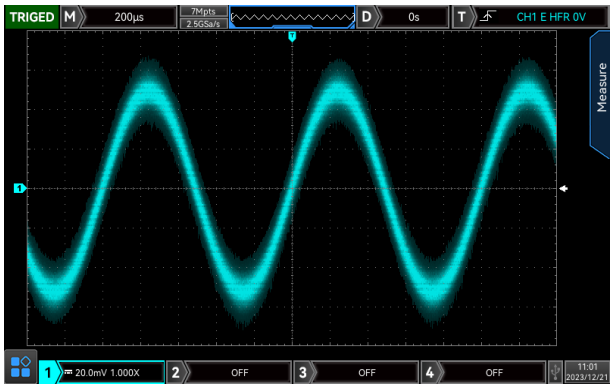




Continuous Waveform Noise Superposition



Noise Superposition Interface



Noise Superposition Waveform Output

Extensive Modulation, Frequency Sweep, and Burst Functions

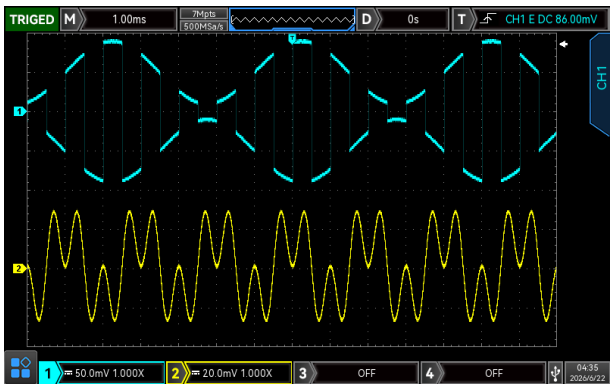
Modulation Function

Supports AM, FM, PM, DSB-AM, ASK, FSK, PSK, 3FSK, 4FSK, BPSK, QPSK, OSK, SUM, QAM, and PWM modulation outputs. In addition, it provides frequency sweep and burst generation functions.

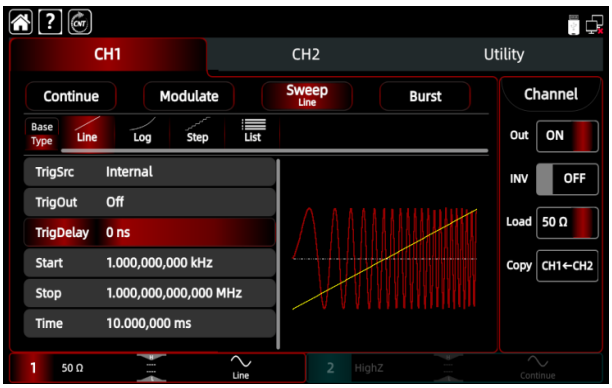
Frequency Sweep

Supports four frequency sweep modes: Linear, logarithmic, step, and list.

Three trigger sources: Internal, external, and manual.



The two channels can output modulated waveforms and pulse trains independently.



Frequency Sweep Interface

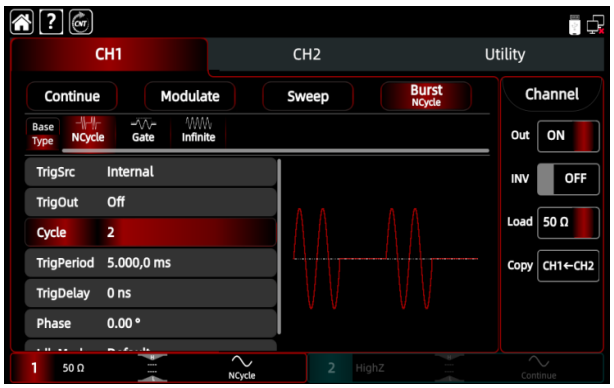
Burst Function

Supports three burst modes: N-cycle, infinite, and gate.

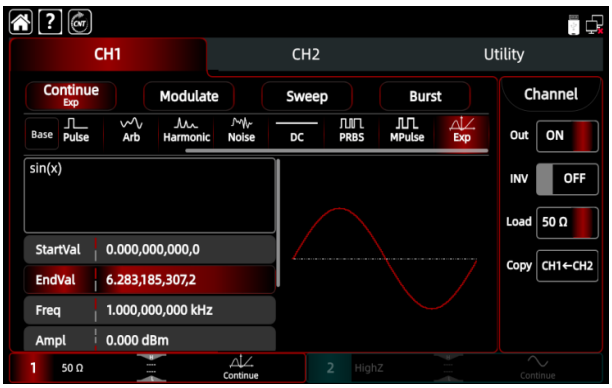
Three trigger sources: Internal, external, and manual.

Expressions

The Expression feature enables users to define complex waveforms using mathematical expressions.



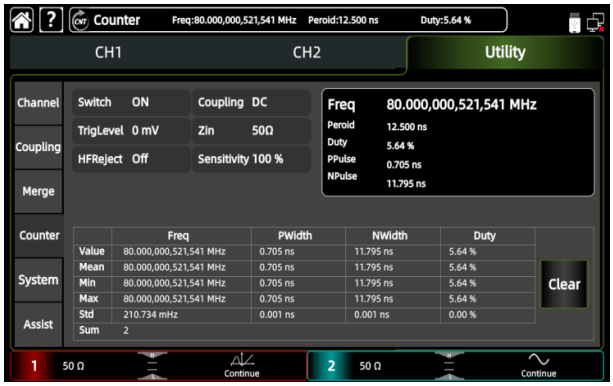
Burst Interface



Expression Interface

High-Precision Frequency Counter Function

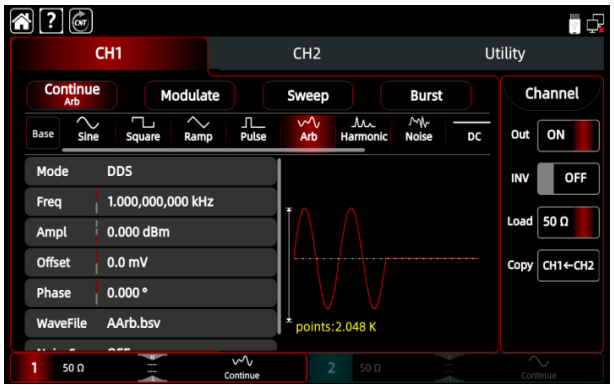
Hardware frequency counter capable of measuring frequencies from 100 mHz to 600 MHz.

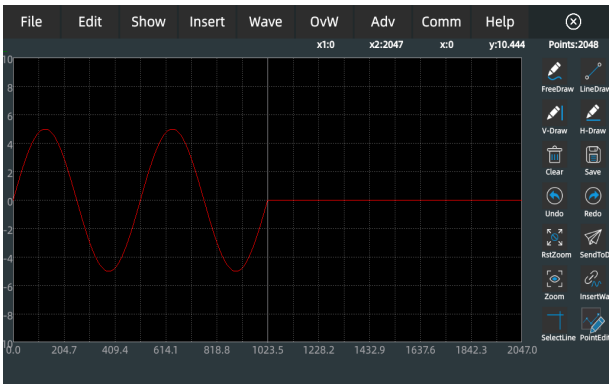


Built-in Arbitrary Waveform Editor

The built-in arbitrary waveform editor provides multiple waveform-generation methods, allowing users to insert standard waveforms or draw custom waveforms to create arbitrary waveforms. It

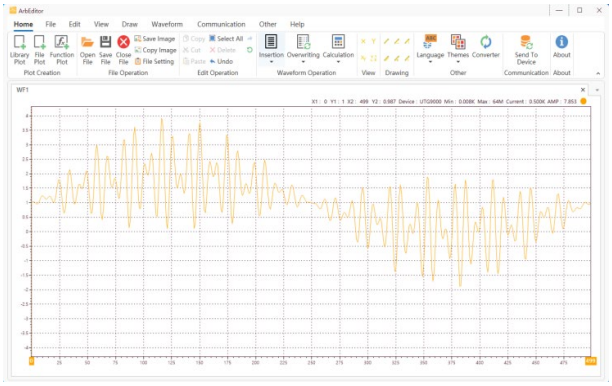
also provides real-time preview of the waveform being edited.The editor is integrated into the UTG900Plus Series and can also be installed on a host computer, where it communicates with the UTG900Plus via USB or LAN.





Arbitrary Waveform Editor Software

The software provides multiple waveform-drawing methods, including manual drawing, linear interpolation, and expression-based entry. It communicates with the UTG900Plus via USB or LAN.



Remote Control

The instrument can be connected to a computer via standard USB or LAN interfaces for remote control. The corresponding control software enables remote operation, automated testing, and remote monitoring.



7-inch Capacitive Touchscreen

The 7-inch high-definition capacitive touchscreen provides an intuitive and responsive interface for convenient instrument operation.



Technical Specifications

Definition and Conditions

- **Technical Specifications** provide detailed descriptions of the performance parameters covered under the product warranty. Unless otherwise stated, these specifications apply to an ambient temperature range of 20 °C to 30 °C.
- **Typical Values** (Typ.) refer to performance characteristics not included in the product warranty. When performance exceeds the warranted specifications, 80% of units typically meet the stated values with 95% confidence within the 20 °C to 30 °C temperature range. Typical values do not include measurement uncertainty.
- **Nominal Values** (Nom.) indicate expected or target performance that is useful for product application but is not covered by the product warranty.
- The product meets its warranted specifications under the following conditions:
  It is within its calibration interval and has been warmed up for at least 30 minutes. If the instrument has been stored within its allowable storage temperature range but outside the allowable operating temperature range, it must be placed within the allowable operating temperature range for at least two hours before use.

Fundamental Waveform Characteristics

Fundamental Waveform Characteristics				
Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Channel	Dual-channel with equal performance			
Maximum output frequency	200 MHz	160 MHz	120 MHz	80 MHz
Sample rate	1.25 GSa/s (2× interpolation)			
Maximum vertical resolution	16 bits			
Arbitrary waveform length	Point-by-point mode	8 pts to 128 Mpts/CH (expandable to 256 Mpts/CH when using the PC software)		
	DDS mode	8 kpts		
Operating modes	Continuous, Modulation, Sweep, Burst, Frequency Counter			
Continuous	Sine, Square, Ramp, Pulse, Harmonic, Noise, Pseudo-Random Bit Sequence (PRBS), DC, Arbitrary Waveform, Expression, Multi-Pulse			
Modulation type	AM, FM, PM, DSB-AM, ASK, FSK, PSK, 3FSK, 4FSK, BPSK, QPSK, OSK, SUM, QAM, PWM			

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Sweep type	Linear, logarithmic, list, step
Burst type	N cycle, Gate, Infinite
Hardware frequency counter	100 mHz to 600 MHz

Frequency Characteristics

Resolution	1 μHz
Reference Frequency	Frequency: 10.0000 MHz
	Initial accuracy: ±0.5 ppm at 25°C
	Temperature stability: ±0.5 ppm, 0°C to 40°C
	Aging rate: ±1 ppm (first year)

Sine Wave Characteristics

Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Frequency	1 μHz to 200 MHz	1 μHz to 160 MHz	1 μHz to 120 MHz	1 μHz to 80 MHz
Frequency resolution	1 μHz			
Harmonic distortion	Output power: 0 dBm (Typ.)		DC to 1 MHz	≤-60 dBc
			1 MHz to 10 MHz	≤-55 dBc
			10 MHz to 40 MHz	≤-50 dBc
			40 MHz to 80 MHz	≤-45 dBc
			80 MHz to 200 MHz	≤-40 dBc
Non-harmonic distortion	≤10 MHz, output power: 0 dBm		-70 dBc (Typ.)	
	>10 MHz, output power: 0 dBm		-70 dBc + 6 dB/octave (Typ.)	
Total harmonic distortion (THD)	0 dBm, DC to 20 kHz		<0.07%	
Phase characteristics	-360.000° to 360.000°			
Phase noise	10 MHz, 10 kHz offset, output power: 0 dBm		≤-130 dBc/Hz (Typ.)	

Square Wave Characteristics

Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Frequency	1 μHz to 50 MHz	1 μHz to 40 MHz	1 μHz to 30 MHz	1 μHz to 20 MHz
Frequency resolution	1 μHz			
Rise/fall time	1 kHz, 1 Vpp, 50 Ω		<5 ns (Typ.)	
Overshoot	100 kHz, 1 Vpp, 50 Ω		<2% (Typ.)	
Duty cycle	0.0000000001% to 99.99999999% (range limited by operating frequency)			
Symmetry	50% duty cycle		1% of the period + 4 ns	
Jitter (RMS)	Typical (1 MHz, 1 Vpp, 50 Ω)		≤5 MHz: 2 ppm + 200 ps	

			>5 MHz: 200 ps	
Phase characteristics	-360.000° to 360.000°			
Noise superposition amplitude	Noise voltage ≤ 1 Vrms			
Pulse Wave Characteristics				
Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Frequency	1 μHz to 50 MHz	1 μHz to 40 MHz	1 μHz to 30 MHz	1 μHz to 20 MHz
Frequency resolution	1 μHz			
Variable edge	5 ns to 1,000 s (range limited by operating frequency)			
Overshoot	Typical (1 Vpp, 50 Ω) 2%			
Duty cycle	0.0000000001% to 99.99999999% (range limited by operating frequency)			
Minimum pulse width	8 ns (Typ.)			
Jitter	150 ps (1 Vpp, 50 Ω)			
Phase characteristics	-360.000° to 360.000°			
Noise superposition amplitude	Noise voltage ≤1 Vrms			
Ramp Wave Characteristics				
Frequency	1 μHz to 5 MHz			
Frequency resolution	1 μHz			
Symmetry	0.00% to 100.00%			
Linearity	1 kHz, 1 Vpp, 100% symmetry 1% of peak output (Typ.)			
Phase characteristics	-360.000° to 360.000°			
Noise superposition amplitude	Noise voltage ≤1 Vrms			
Noise Characteristics				
Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Bandwidth (-3 dB), Typ.	1 mHz to 200 MHz	1 mHz to 160 MHz	1 mHz to 120 MHz	1 mHz to 80 MHz
Arbitrary Wave Characteristics				
Frequency Range (DDS)	1 μHz to 50 MHz			
Sample rate	DDS	1.25 GSa/s (2× interpolation)		
	Point-by-point	1 μSa/s to 625 MSa/s		
Waveform length	DDS	8 kpts (fixed)		
	Point-by-point	8 pts to 128 Mpts/CH (expandable to 256 Mpts/CH when using the PC software)		
Vertical resolution	16 bits (including sign)			

Built-in arbitrary waveform generator	Over 200 types
Minimum rise/fall time	1 Vpp, 50 Ω 5 ns (Typ.)
Phase characteristics	-360.000° to 360.000°
Jitter	150 ps
Noise superposition amplitude	Noise voltage ≤1 Vrms
Point-by-point filtering mode	Zero-order hold, linear interpolation

PRBS Characteristics

Bit Rate	1 μbps to 150 Mbps
Edge Time	5 ns to 1 ks
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31, PN33
Noise superposition amplitude	Noise voltage ≤1 Vrms

Harmonic Characteristics

Model	UTG920Plus	UTG916Plus	UTG912Plus	UTG908Plus
Frequency range	1 μHz to 100 MHz	1 μHz to 80 MHz	1 μHz to 60 MHz	1 μHz to 40 MHz
Harmonic order	2nd to 16th			
Harmonic type	Odd, even, all, custom			
Harmonic amplitude	1 mV to 10 Vpp (50 Ω)			
	Set the amplitude based on the selected harmonic order.			
Harmonic phase	-360.00° to 360.00°			
	Adjustable based on the selected harmonic order			

Expression

Frequency range	1 μHz to 25 MHz
Functions	Sin, cos, tan, sinc, abs, ln, sqrt, acos, asin, atan, sinh, tanh, ceiling, exp, fabs, floor
Operations	+, -, *, /, ^
Variable Value Units	°, rad

Multi-Pulse

Trigger modes	Internal, external rising edge, external falling edge, manual
Trigger delay	0 ns to 1 ks
Total number of pulses	2 to 30

Variable edge	5 ns to 500 s
Pulse width	20 ns to 1 ks
Inter-pulse interval	20 ns to 1 ks

Output Characteristics

Output Characteristics		
Output impedance	50 Ω (Typ.)	
Protection	Short-circuit protection, automatic overload shutdown of waveform output	
Output amplitude (High-impedance load)	≤40 MHz	2 mVpp to 20 Vpp
	≤80 MHz	2 mVpp to 15 Vpp
	≤120 MHz	2 mVpp to 10 Vpp
	≤200 MHz	2 mVpp to 4 Vpp
Output amplitude (50 Ω load)	≤40 MHz	1 mVpp to 10 Vpp
	≤80 MHz	1 mVpp to 7.5 Vpp
	≤120 MHz	1 mVpp to 5 Vpp
	≤200 MHz	1 mVpp to 2 Vpp
Amplitude accuracy	1 kHz sine wave, 0 V offset, >10 mVpp	±(1% of the amplitude setting + 1 mVpp) (Typ.)
DC offset range	50 Ω: ±5 V (Peak AC + DC)	
	High Impedance: ±10 V (Peak AC + DC)	
DC offset accuracy	±(1% of the offset value + 2 mV)	
Flatness	Relative to a 1 kHz sine wave, 1 Vpp, 50 Ω	≤10 MHz: ±0.1 dB (Typ.)
		≤60 MHz: ±0.2 dB (Typ.)
		≤200 MHz: ±0.4 dB (Typ.)

Modulation Characteristics

AM (Amplitude Modulation)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Modulation depth	0.00% to 120.00%
Modulation frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
DSB-AM (Double-Sideband Amplitude Modulation)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary

Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Modulation depth	0.00% to 100.00%
Modulation frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
FM (Frequency Modulation)	
Frequency offset	DC to 1/2 bandwidth (Bandwidth represents the maximum output frequency and is limited by the Frequency setting)
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Modulation Frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
PM Modulation	
Carrier wave	Sine, Square, Ramp, Arbitrary
Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Phase offset	0.00° to 360.00°
Modulation frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
ASK (Amplitude Shift Keying)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Modulation source	Internal (square wave with 50% duty cycle) / External (TTL level)
Modulation frequency	1 μHz to 2 MHz (modulation source: internal)
FSK (Frequency Shift Keying)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Modulation source	Internal (50% duty cycle square wave), External (TTL level)
Modulation frequency	1 μHz to 2 MHz (modulation source: internal)
Hopping frequency	Selectable at any frequency within the carrier signal range
PSK (Phase Shift Keying)	
Carrier wave	Sine, Square, Ramp, Arbitrary
Modulation source	Internal (50% duty cycle square wave), External (TTL level)
Modulation frequency	1 μHz to 2 MHz (modulation source: internal)
Transition Phase	0.00° to 360.00°
3FSK (3-Level Frequency Shift Keying)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary

Modulation source	Internal (50% duty cycle square wave)
Modulation frequency	1 μHz to 2 MHz
Hopping frequency 1	Selectable at any frequency within the carrier signal range
Hopping frequency 2	Selectable at any frequency within the carrier signal range
4FSK (4-Level Frequency Shift Keying)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Modulation source	Internal (50% duty cycle square wave)
Modulation frequency	1 μHz to 2 MHz
Hopping frequency 1	Selectable at any frequency within the carrier signal range
Hopping frequency 2	Selectable at any frequency within the carrier signal range
Hopping frequency 3	Selectable at any frequency within the carrier signal range
BPSK (Binary Phase Shift Keying)	
Carrier wave	Sine, Square, Ramp, Arbitrary
Modulation source	Internal
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31, PN33
Symbol bit rate	1 μbps to 2 Mbps
Phase 1	0.00° to 360.00°
Phase 2	0.00° to 360.00°
QPSK (Quadrature Phase Shift Keying)	
Carrier wave	Sine, Square, Ramp, Arbitrary
Modulation source	Internal
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31, PN33
Symbol bit rate	1 μbps to 2 Mbps
Phase 1	0.00° to 360.00°
Phase 2	0.00° to 360.00°
Phase 3	0.00° to 360.00°
Phase 4	0.00° to 360.00°
OSK (Oscillation Shift Keying)	
Carrier wave	Sine wave
Trigger source	Internal, External
Modulation frequency	1 μHz to 2 MHz (modulation source: internal)
Oscillation time	5 ns to 200 s
SUM (Sum Modulation)	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary, Harmonic, Noise

Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Modulation frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
Modulation depth	0.00% to 100.00%
QAM Modulation (Quadrature Amplitude Modulation)	
Constellation diagram mapping	QAM4, QAM8, QAM16, QAM32, QAM64, QAM128, QAM256
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31, PN33
Modulation bit rate	1 μbps to 2 Mbps
PWM (Pulse Width Modulation)	
Carrier wave	Pulse wave
Modulation source	Internal, External
Modulation waveform type	Sine, Square, Rising Ramp, Falling Ramp, Noise, Arbitrary
Modulation frequency	1 μHz to 2 MHz (modulation source: internal); arbitrary waveform: 1 μHz to 1 MHz
Pulse width offset	0.00% to 49.99% (range limited by operating frequency)

Sweep Characteristics

Frequency Sweep	
Carrier wave	Sine, Square, Pulse, Ramp, Arbitrary
Type	Linear, Logarithmic, List, Step
Trigger source	Manual, external rising edge, external falling edge, internal
Trigger output	Off, Rising Edge, Falling Edge
Sweep time	1 ms to 500 s, ±0.1% (linear or logarithmic)
Dwell time	1 ms to 500 s ±0.1% (list, step)
List file	Maximum of 2,048 frequency points per file (list)
Trigger delay	0 ns to 1 ks (List, Step)
Step	2 to 2,048 steps

Burst

N periods	
Waveform	Sine, Square, Pulse, Ramp, Arbitrary
Trigger source	Internal, external rising edge, external falling edge, manual
Trigger output	Off, Rising Edge, Falling Edge
Trigger cycle	1 μs to 1 ks
Cycle number	1 to 4,294,967,295
Start phase	0.00° to 360.00°
Trigger delay	0 ns to (trigger period - 10 ns)
	0 ns to 1 ks (modulation source: external)
Idle mode	Default, High Level, Low Level, Custom
Gate	
Waveform	Sine, Square, Pulse, Ramp, Arbitrary
Polarity	Positive, Negative (TTL level input)
Start phase	0.00° to 360.00°
Idle mode	Default, High Level, Low Level, Custom
Infinite Burst	
Waveform	Sine, Square, Pulse, Ramp, Arbitrary
Trigger source	Internal, external rising edge, external falling edge, manual
Trigger output	Off, Rising Edge, Falling Edge
Start phase	0.00° to 360.00°
Idle mode	Default, High Level, Low Level, Custom

Interface and Display

Communication Interface	
Standard	USB Host, USB Device, LAN, HDMI
Rear-Panel External Reference Inputs	
Input frequency	10 MHz ± 50 Hz
Level range	TTL-compatible
Input impedance	10 kΩ (Typical, DC coupling)
Locking time	1 s
Rear-Panel Internal Reference Output	
Output frequency	10 MHz ± 50 Hz
Level range	TTL-compatible
Output impedance	50 Ω (Typical, DC coupling)

Front-Panel Aux I/O Port		
Modulation input	Input frequency	50 kHz
	Modulation depth	5 Vpp = 100%
	Input impedance	5 kΩ (Typ.)
Trigger input	Level range	TTL-compatible
	Slope	Rising or falling
	Pulse width	>100 ns
	Input impedance	10 kΩ (Typical, DC coupling)
	Response time	1 μs (Typ.)
Trigger output	Output level	TTL-compatible
	Pulse width	>400 ns (Typ.)
	Output impedance	50 Ω (Typ.)
Sync signal output	Level range	TTL-compatible
	Output frequency	1 μHz to 1 MHz
	Output impedance	50 Ω (Typ.)
	Coupling method	DC
Frequency counter input signal	Input frequency	TTL-compatible
	Input impedance	1 MΩ
Display		
Type	7-inch TFT capacitive touchscreen	
Resolution	1024×600	

General Technical Specifications

Power Supply	
Power adapter	Power adapter with output ≥12 V/3 A, or a Type-C adapter or power bank that supports the PD protocol
Power consumption	Less than 25 W
Fuse	Fuse: 1.6 A (standard adapter)
Environmental Requirements	
Temperature range	Operating: +10°C to +40°C
	Non-operating: -20°C to +60°C
Cooling method	Forced-air cooling
Humidity range	Below +35°C: ≤90% relative humidity
	+35°C to +40 °C: ≤60% relative humidity
Altitude	Operating: Below 2,000 m

	Non-operational: Below 15,000 meters	
Pollution degree	2	
Operating environment	Indoor use	
Mechanical Specifications		
Dimensions	282mm×175mm×49mm (W × H × D)	
Weight	1.5 kg	
Calibration interval	Recommended calibration interval: one year	
Regulatory Standards		
Electromagnetic compatibility	Complies with the EMC Directive (2014/30/EU) and meets or exceeds the requirements of IEC 61326-1:2021/EN 61326-1:2021 and IEC 61326-2-1:2021/EN 61326-2-1:2021	
Conducted emissions	CISPR 11/EN 55011	Class B, Group 1, 150 kHz-30 MHz
Radiated disturbance	CISPR 11/EN 55011	CLASS B Group 1, 30MHz–1 GHz
Electrostatic discharge (ESD)	IEC 61000-4-2/EN 61000-4-2	±4.0 kV (Contact), ±8.0 kV (Air)
Radio frequency electromagnetic field immunity	IEC 61000-4-3/EN 61000-4-3	3 V/m (80 MHz to 1 GHz) 1 V/m (1.4 GHz to 6 GHz)
Electrical fast transient (EFT)	IEC 61000-4-4/EN 61000-4-4	±1 kV (AC input port)
Surge	IEC 61000-4-5/EN 61000-4-5	±0.5 kV (Line-to-Neutral) ±1 kV (Line-to-Ground)
Immunity to RF continuous conduction	IEC 61000-4-6/EN 61000-4-6	3 V, 0.15–80 MHz
Voltage dips and short interruptions	IEC 61000-4-11/EN 61000-4-11	Voltage dip: 0% UT during 0.5 cycle; 0% UT for 1 cycle; 70% UT for 25/30 cycles Short interruption: 0% UT during 250/300 cycles
Safety Regulations		
	EN 61010-1:2010+A1:2019 EN IEC 61010-2-030:2021+A11:2021 UL 61010-1:2012 Ed. 3+ R: July 19, 2019 UL 61010-2-030:2018 Ed. 2 CSA C22.2 No. 61010-1:2012 Ed. 3+U1;U2;A1 CSA C22.2 No. 61010-2-030:2018 Ed. 2	

Ordering Information

	Description	Order No.
Model	Maximum output frequency 200 MHz	UTG920Plus
	Maximum output frequency 160 MHz	UTG916Plus
	Maximum output frequency 120 MHz	UTG912Plus
	Maximum output frequency 80 MHz	UTG908Plus
Standard Accessories	Power cord compliant with local standards x 1	
	USB data cable x 1	UT-D14
	BNC-BNC cable x 2	UT-L45

Note: Please order the product and accessories from your local UNI-T distributor.

Warranty Period: The main unit is covered by a 1-year warranty, excluding cables and accessories.

Limited Warranty and Liability

UNI-T guarantees that the Instrument product is free from any defect in material and workmanship within three years from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination, or improper handling. If you need a warranty service within the warranty period, please contact your seller directly. UNI-T will not be responsible for any special, indirect, incidental, or subsequent damage or loss caused by using this device. For the probes and accessories, the warranty period is one year. Visit instrument.uni-trend.com for full warranty information.

Learn more at: www.uni-trend.com

Register your product to confirm your ownership. You will also get product notifications, update alerts, exclusive offers and all the latest information you need to know.

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