

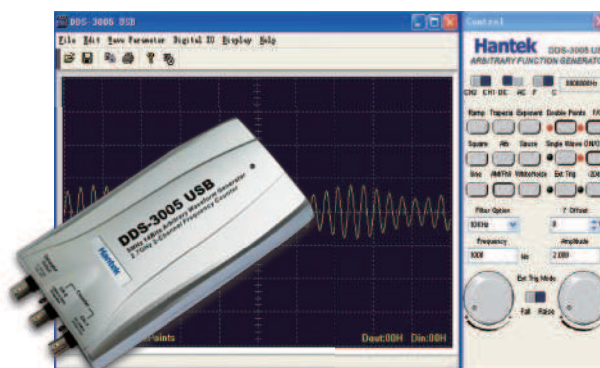
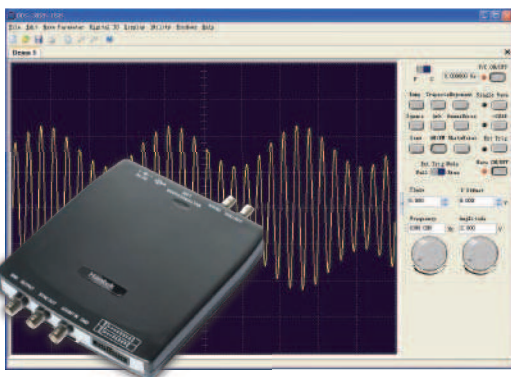
## Function/Arbitrary Waveform Generator

200 MSa/s, 25Mz, 12/14 bits of vertical resolution

# DDS-3X25/DDS-3005

### Feature

- 2.7GHz Frequency Counter, PU USB Function/Arbitrary Waveform Generator.
- It can be used as the other products signal generator module , not need the computer. It will produce the needed arbitrary waveform signal when power on.
- 200 MSa/s of sample rate, 12 /14 bits of vertical resolution.
- 25 MHz Arbitrary waveform output 。 (sine wave up to 75 MHz).
- 50 MHz Frequency Counter.
- 12 Bit Pattern Generator.
- USB interface , plug and play , no power need , the volume is small、 and the weight is light , easy to schlep.



### Specifications

	Model	DDS-3X25	DDS-3005
Arbitrary Waveform Output	Output Frequency	( DC ) 1Hz~25MHz ( sine wave up to 75MHz )	( DC ) 0.1Hz~5MHz ( sine wave up to 10MHz )
	Resolution	0.1% Freq	0.01Hz
	Amplitude	±3.5V max.	±10V max.
	Output Impedance	50 Ω	
	Output Current	50mA Ipeak= 100mA	
	Channel	1 channel	
	DAC Clock	2K~200MHz adjustable	0~50MHz adjustable
	Waveform Length	4KSa	256KSa
	Vertical Resolution	12 bits	14 bits
	Frequency Stabilization	< 30ppm	
	System Bandwidth	25M	5M
SYNC Out	yes		
Wave Distortion	-50dBc ( 1KHz ) , -40dBc ( 10KHz )	-65dBc ( 1KHz ) , -53dBc ( 10KHz )	
Low Pass Filter	no	5MHz, 1MHz, 100KHz, 10KHz, 1KHz programmable control	
Frequency Counter	Frequency Area	DC~50MHz	DC~25MHz/25MHz~2.7GHz
	Input Amplitude	400mVpp~18Vpp	400mVpp~25Vpp/±20dbm
	Coupling	DC	AC,DC
Pattern Generator	Frequency Precision	± time base error ± 1 count	
	Input Impedance	> 100KΩ	> 50KΩ
USB Condition	Digit	12 bits pattern generator and 6 bit digital in	8 bits digital output and 8 bit digital in
	Type	LVCMOS	
Mechanics	Temperature	0~70 centigrade	
	Humidity	0~95%	
	Dimension	Length: 200mm Width: 150mm Height: 25mm	Length: 190mm Width: 100mm Height: 35mm
	Weight	0.5 KGS	0.7 KGS
	Accessories	1pcs BNC probes, 1pc 2-plugs USB cable	

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