

# DDS Arbitrary Waveform Generator

NOV@TEK

## 25MHz Economy DDS Arbitrary Waveform Generator

Model: DDS-1025G



- High performance-to-price ratio
  - Able to work independently without PC. The waveforms can be kept in the build-in flash and recalled. Only powered, it can produce the signal as a signal generator module for other equipments, while simulating the signals of sensors and actual environment.
  - One PC can connect several these generators at the same time, easily extend the channel numbers
  - 200Msa/s sampling rate, 12bits vertical resolution
  - 25MHz arbitrary waveform (Sine Wave up to 75MHz)
- 50MHz frequency counter
  - Programmable digital output
  - USB2.0 interface, no external power required, easy to use
  - Operating System: Windows 7, 8.0,8.1,10
  - Labview\VB\VC\Delphi\C++Build Second Design instance

### Specification

Waveform Output Channel	
Frequency Range	1Hz(DC) ~25MHz
Frequency Resolution	0.1% of the reading
DAC Clock	2K~200MHz adjustable
Channels	1CH waveform output
Memory Depth	4KSa
Vertical Resolution	12 Bits
Stability	<30ppm
Amplitude	±3.5V Max.
Output Impedance	50 Ω
Output Current	50mA Ipeak=100mA
System Bandwidth	25M
Harmonic Wave distortion	-50dBc(1KHz), -40dBc(10KHz)
Frequency Counter Channel	
Range	DC~50MHz
Input Amplitude	400mVpp~18Vpp
Coupling Mode	DC
Accuracy	±Time Base Error ±1 Count
Input Impedance	> 100KΩ
Digital Input and Output	
12 Bits Output 6 Bit Input	12 Bits Digital Generator Output and 6Bit Generator Input
Level	LV CMOS