



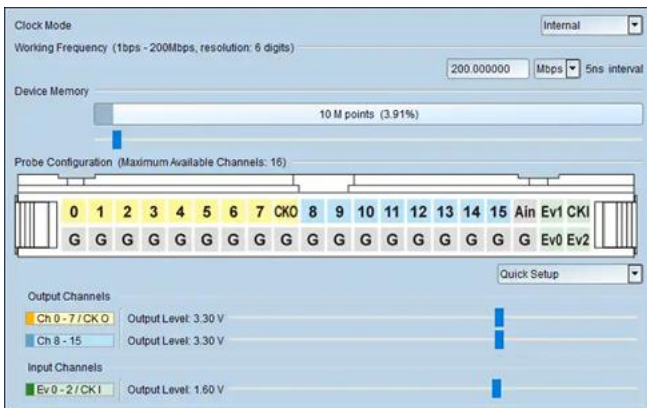
**Features and Functions:**

- Digital Pattern Generator
- No. of Channels: 16 (TD3116N, TD3216B)
- Data Rate: 200Mbps (TD3116N, TD3216B)
- Memory (per CH): 1MB (TD3116N) / 256MB (TD3216B)
- Clock Range: 1Hz ~ 200MHz (6 digits)
- Data output: 0.9Vpp ~ 4.5Vpp (0.1V resolution) and Hi-Z
- Default pattern: I<sup>2</sup>C, MIPI I3C, MIPI RFFE, PMBus, PWM, SPI, Sync / Async-Counter
- Data Pattern Format: DGW / DGV / VCD / CSV

The TD3000 series Digital Pattern Generator features independent channels, each capable of generating digital signals independently, making it suitable for multi-channel system testing. It is used for signal emulation and reproduction, and can be controlled using commands to set signal transmission rules. It allows import of various signal source data files or editing signal formats.

Additionally, it supports multiple communication protocols, including MIPI I3C, SVI3, SVID, and more that is used for testing and verifying various communication interfaces for different applications, such as simulating data and transmit it to ICs for validation testing. This assists in confirming the correctness and performance of ICs, ensuring that ICs operate as expected in real-world applications that helps in early detection and resolution of potential issues and ensures the successful application of products in the market.

▪ **Set CH0~CH15/Ev0-2/CKO/CKI output/input voltage:**

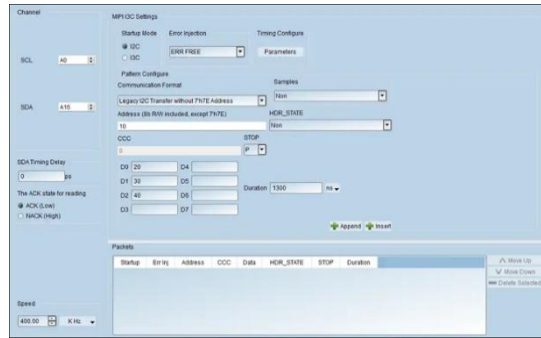


▪ **Waveform Editor Features:**

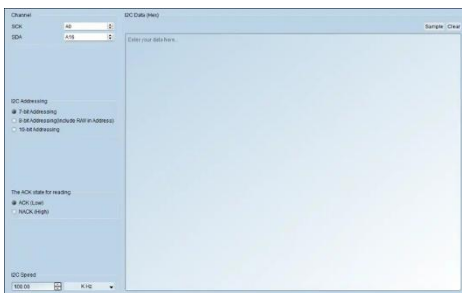
- ✓ Open New page on Waveform Editor: Switch to the Waveform Editor, to manually draw waveform
- ✓ Convert current plugin settings (waveform) to Waveform Editor (Single)
- ✓ Convert current plugin settings (waveform) to Waveform Editor (Repetitive)

▪ **Support Communication Protocols Waveform:**

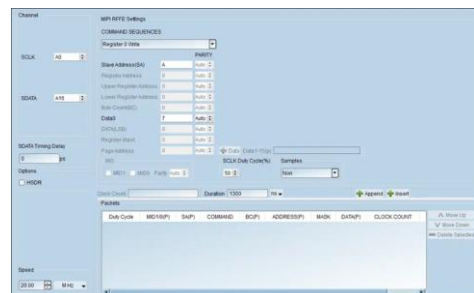
✓ **MIPI I3C Waveform Settings**



✓ **I2C Waveform Settings**



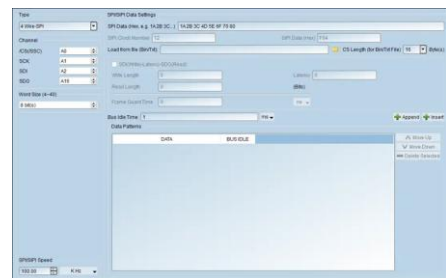
✓ **MIPI RFFE Waveform Settings**



✓ **PMBus Waveform Settings**



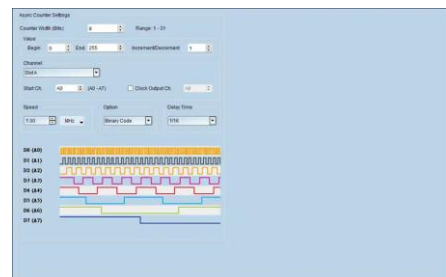
✓ **SPI/SIPI Waveform Settings**



✓ **Sync Counter Settings**



✓ **Async Counter Settings**



✓ **PWM Waveform Settings**

