

# COMPANY PROFILE

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Doewe Technologies, headquartered in Beijing, has been operating for a decade and currently has branches including the Beijing R&D Center, Chengdu R&D Center, Doewe Shanghai, Doewe Shenzhen, and Doewe Hong Kong. The company is fully committed to building its independent brand "Doewe," with its business covering two main categories: Advanced Sensing Measurement and Control (ASMC) and Professional Test and Measurement Solutions (PTMS).

The ASMC product line provides innovative high-precision sensing acquisition and data analytics solutions. PTMS focuses on industry-specific test and measurement solutions for audio, video, and RF applications. It has established the 5XC product system, serving sectors such as transportation, broadcasting, automotive electronics, consumer electronics, and university research institutes.

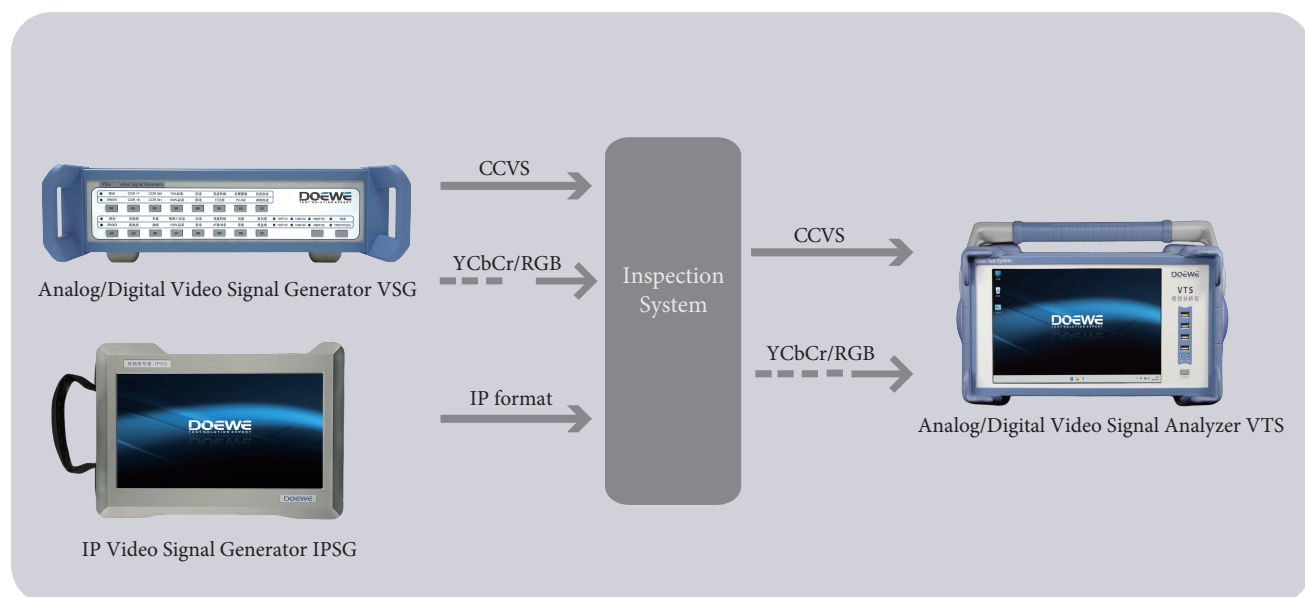
Through relentless effort, several of the company's products have become benchmark test instruments in their respective industries. Doewe Technologies also holds multiple core patents and software copyrights, participates in relevant industry standards working groups, and contributes to the formulation of national and industry standards. Building on past achievements, Doewe continues to increase its R&D investment. We have never forgotten our original aspiration, firmly believing that only profound technological accumulation creates value. We persistently pursue innovation in test and measurement technology, dedicated to technology development, application software services, and research in test and measurement solutions.

Leveraging its Beijing headquarters, related technical centers, and subsidiaries, Doewe Technologies has gradually established a nationwide pre-sales and after-sales service network, providing customers with professional technical consultation. Guided by the principles of "Rigorous, Efficient, Professional, Innovative," Doewe Technologies will continue steadfastly on this path, living up to the trust of every customer.

The journey ahead is long and challenging. We will accompany you on this path of growth to create a new future of technology together.

Analog/Digital Video Signal Analyzer VTS is a professional video testing device that supports various video test interfaces and formats. It adopts a modular design, and the mainframe can support different hardware test modules to meet the requirements of different test interfaces and formats. It supports index testing for composite video signals (CCVS) and component video signals (HDMI). The composite video uses a BNC interface for input and supports the testing of component video signals in HDMI interface format, including RGB and YCbCr.

VTS has rich video testing functions to meet various application requirements. It supports direct switching of different input modes and the display function of signal waveform diagrams, as well as the setting and display functions of test signals and test positions. It also supports importing test setting templates, executing tests with one click, directly reading all test results corresponding to the items in the JTG 2182 standard, and supporting the screenshot output of test results.



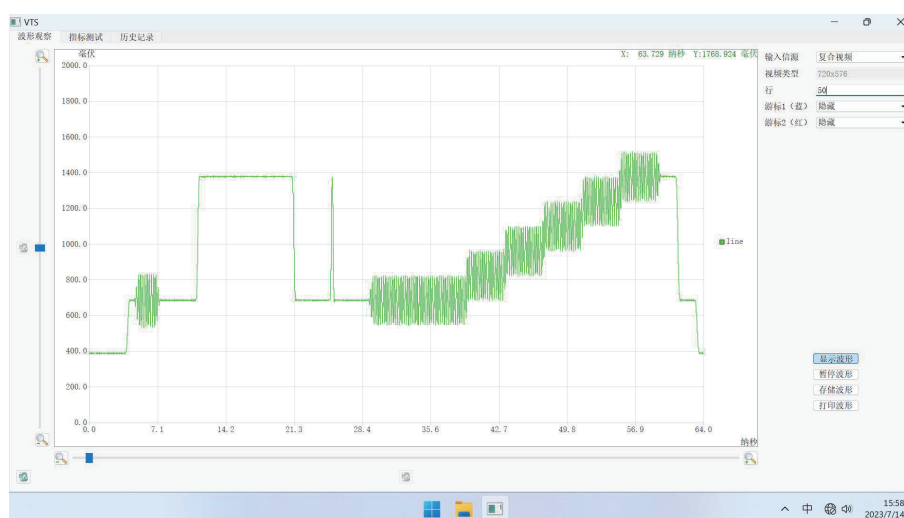
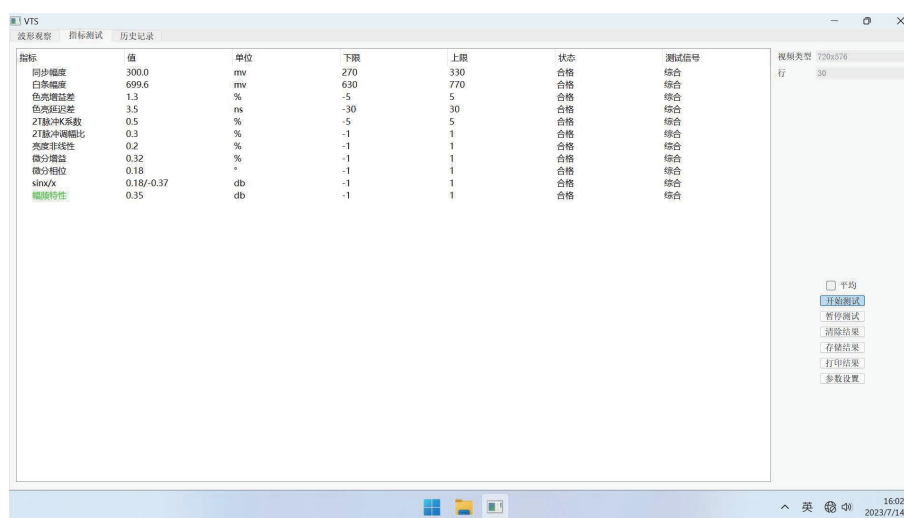
## Simulated Video Test Interface

For analog video testing, VTS provides professional analog video input interfaces, which mainly support analog standard-definition composite video signal analysis interfaces (CCVS, CVBS)。

### Composite Video Signal Analysis(CCVS, CVBS)

When input through the BNC interface, the analysis board can receive Composite Color Video Signal (CCVS) or Composite Video Baseband Signal (CVBS), and supports the Phase Alternating Line (PAL) color standard.

Typical test items supported by composite video: video output amplitude, brightness waveform distortion, luma-chroma delay difference, DG/DP (Differential Gain/Differential Phase), brightness nonlinear distortion, video frequency response, and synchronization characteristic indicators.

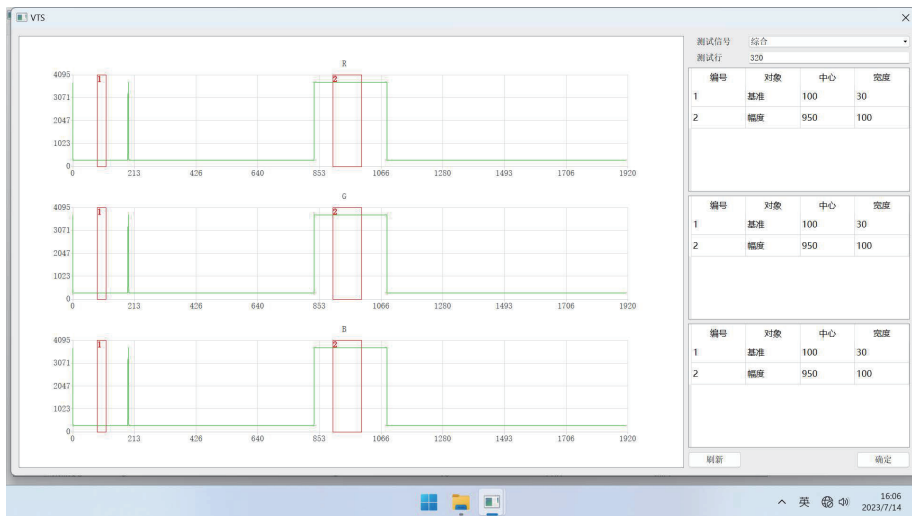
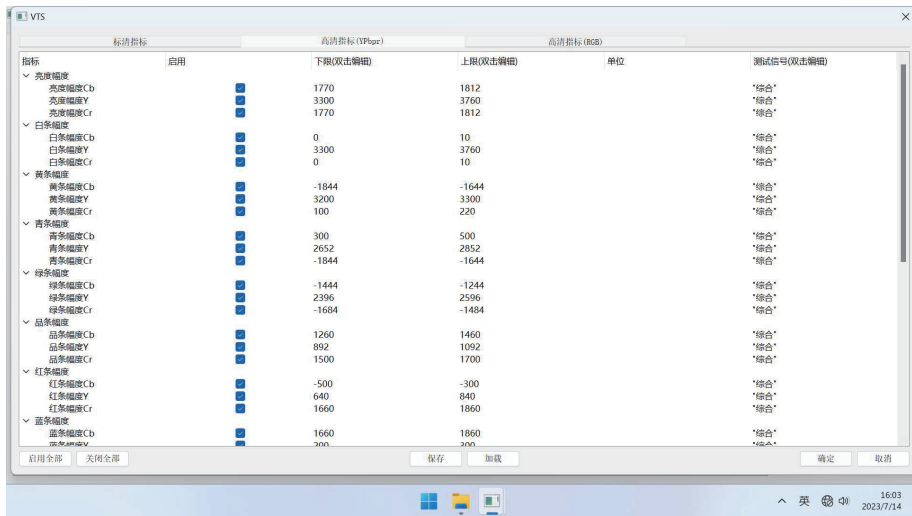




## Digital Video Test Interface

The digital video test interface adopts the HDMI interface and supports two different formats: YCbCr and RGB. It supports the function of viewing the input signal waveform diagram (with the option to select the test line), allows for customizing test items and test thresholds, and enables direct import of test configuration files. The test indicators and upper/lower thresholds of the default configuration file fully comply with the requirements of the JTG 2182 standard. The comprehensive diagram of the configured video signal generator supports one-click testing to read all required test indicator results.

Typical test items supported by component video include indicators such as Y signal input amplitude, CR signal input amplitude, CB signal input amplitude, nonlinear distortion, linear response of the luminance channel, signal delay difference, and SNR.





## Beijing Doewe Technologies Co., Ltd

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