

**Aumictech**

Test &amp; measurement • bought, sold, repaired, calibrated

**Data Sheet**

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

# DynamicSignals / Kinetic Systems V266-ZA11 32-channel, 16-bit D/A Converter

DynamicSignals / Kinetic Systems VXI Modules. Channels: \*\* 32 independent analog output channels, Resolution: \*\* 16-bit.

**MODEL****DynamicSignals /  
Kinetic Systems  
V266-ZA11****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****V266-ZA11****LISTING**[https://aumictechlabs.c  
om/products/v266-za11  
-3/](https://aumictechlabs.com/products/v266-za11-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The DynamicSignals/Kinetic Systems V266-ZA11 is a 32-channel, 16-bit Digital-to-Analog converter engineered for precision analog signal generation in VXIbus systems. This single-width, C-size module delivers  $\pm 10$  V full-scale outputs across 32 independent channels, making it suitable for industrial control, automated test equipment, and scientific research applications demanding high-resolution voltage outputs. Technical Specifications Channels: 32 independent analog output channels Resolution: 16-bit Output Range:  $\pm 10$  V full-scale Output Type: Analog voltage Form Factor: Single-width, C-size VXIbus module Data Interface: Dual-port memory accessed via A24/A16 address space with D16 data transfers Memory: 16-bit wide dual-port memory for data values Connectors: High-density front-panel connectors Ground Configuration: Paired output signals to eliminate ground offset effects Adjustments: Single gain and offset

adjustments Drift Characteristics: Low drift Key Features Register-based VXIbus architecture enabling static and dynamic configuration Paired output signal design eliminates ground offset effects for improved accuracy Low-drift performance maintains signal fidelity over extended operation Single gain and offset adjustment capability simplifies calibration Dual-port memory architecture supports efficient host processor communication Typical Applications Industrial automation and process control systems Automated test equipment (ATE) requiring multi-channel signal generation Scientific instrumentation and research platforms Signal simulation and waveform generation in laboratory environments Compatibility & Integration Designed as a VXIbus-compliant module, the V266-ZA11 integrates directly into existing VXIbus systems through standard C-size slot architecture. Memory-mapped access via A24/A16 address space and D16 data transfers ensure compatibility with standard VXIbus controllers and acquisition systems. Manufactured in the USA since 1968, DynamicSignals/Kinetic Systems delivers proven reliability in demanding test and measurement environments.

# V266ZA11 Characteristics / Specifications

| PARAMETER         | VALUE                                                  |
|-------------------|--------------------------------------------------------|
| Model             | V266-ZA11                                              |
| Instrument Type   | VXI analog output module                               |
| Family            | Kinetic Systems / DynamicSignals V266                  |
| Channel Count     | 32                                                     |
| Resolution        | 16-bit                                                 |
| Output Range      | ±10 V full scale                                       |
| Form Factor       | VXI C-size single width                                |
| Device Class      | register-based VXIbus                                  |
| Memory            | 16-bit dual-port memory scanned toasingle DAC          |
| Hold Circuits     | per-channel high-precision sample-and-hold             |
| Filter            | active 2-pole low-pass Bessel, 500 Hz nominal cutoff   |
| Data Format       | offset binary or two's complement                      |
| Address Space     | A24/A16 D16                                            |
| Power Up          | memory contents zeroed                                 |
| Front Connectors  | paired high-density outputs                            |
| Sibling Za        | V266-ZA21 64-channel ±10 V                             |
| Sibling Zb        | V266-ZB12 32-channel 4-20 mA                           |
| Sibling Zc        | V266-ZC12 32-channel ±16 V                             |
| Manufacturer      | Kinetic Systems / DynamicSignals                       |
| Literature        | Kinetic Systems V266 family analog-output descriptions |
| System Role       | VXI analog playback                                    |
| Configuration     | static and dynamic VXI configuration                   |
| Access            | Offset Register in VXIbus configuration set            |
| Channel Densities | 16, 32, or 64 in V266 family                           |
| Filter Reason     | Bessel chosen for optimum step response (OEM text)     |

# V266ZA11 Specifications

| PARAMETER                | VALUE                                                                          |
|--------------------------|--------------------------------------------------------------------------------|
| Applications             | VXI 32-channel $\pm 10$ V analog stimulus and reconstructed waveform playback. |
| Key Features             | 32 independent 16-bit analog outputs                                           |
| Technical Specifications | Model: V266-ZA11                                                               |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications    |                                                        |
|-------------------|--------------------------------------------------------|
| Specifications    |                                                        |
| PARAMETER         | VALUE                                                  |
| Model             | V266-ZA11                                              |
| Instrument Type   | VXI analog output module                               |
| Family            | Kinetic Systems / DynamicSignals V266                  |
| Channel Count     | 32                                                     |
| Resolution        | 16-bit                                                 |
| Output Range      | ±10 V full scale                                       |
| Form Factor       | VXI C-size single width                                |
| Device Class      | register-based VXIbus                                  |
| Memory            | 16-bit dual-port memory scanned toasingle DAC          |
| Hold Circuits     | per-channel high-precision sample-and-hold             |
| Filter            | active 2-pole low-pass Bessel, 500 Hz nominal cutoff   |
| Data Format       | offset binary or two's complement                      |
| Address Space     | A24/A16 D16                                            |
| Power Up          | memory contents zeroed                                 |
| Front Connectors  | paired high-density outputs                            |
| Sibling Za21      | V266-ZA21 64-channel ±10 V                             |
| Sibling Zb12      | V266-ZB12 32-channel 4-20 mA                           |
| Sibling Zc12      | V266-ZC12 32-channel ±16 V                             |
| Manufacturer      | Kinetic Systems / DynamicSignals                       |
| Literature        | Kinetic Systems V266 family analog-output descriptions |
| System Role       | VXI analog playback                                    |
| Configuration     | static and dynamic VXI configuration                   |
| Access            | Offset Register in VXIbus configuration set            |
| Channel Densities | 16, 32, or 64 in V266 family                           |
| Filter Reason     | Bessel chosen for optimum step response (OEM text)     |

#### Notes

From Kinetic Systems V266 family literature (32-channel  $\pm 10$  V ZA class). If ZA11 versus ZA12 suffix mapping differs on a specific faceplate, use the module option string; do not invent current-loop ratings for ZA voltage options.

## Ordering Information

| OPTION     | DESCRIPTION              |
|------------|--------------------------|
| Option 500 | Hz 2-pole Bessel filters |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.