

TEKTRONIX

RSA3408A

The Tektronix RSA3408A is an 8 GHz Real-Time Spectrum Analyzer designed for capturing and analyzing transient, time-varying RF signals. Featuring a 36 MHz real-time acquisition bandwidth and a unique Frequency Mask Trigger, the RSA3408A allows engineers to capture seamless RF signal events up to 1.28 seconds in length, providing in-depth vector and modulation analysis for standard communication formats.

SPECIFICATIONS

Frequency Specifications

Span Range (Real-Time Mode)	100 Hz to 36 MHz
Real-Time Bandwidth	36 MHz

Real-Time Acquisition & Triggering

Frequency Mask Trigger Bandwidth	36 MHz
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Inputs & Outputs

RF Input Connector Type	N-type female, 50 ohms
GPIB Interface	IEEE-488.2
LAN Interface	10/100 Base-T (RJ-45)
VGA Output	15-pin D-sub

Hardware Architecture

Input Impedance	50 Ω
RF Demodulation Bandwidth	36 MHz
Storage Devices	Internal HDD, 3.5-inch 1.44 MB FDD

Environmental & Physical

Warm-Up Time	20 minutes
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Performance / Real-Time Analysis

Real-Time FFT Length	1024 points
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Options

Option 06 Description	Removable HDD (replaces standard internal HDD)
Option 1R Description	Rackmount Kit
Option 21 Description	Advanced Measurement Suite (adds phase, frequency, jitter, and pulse measurement capabilities)

Performance / Acquisition

Analog-to-Digital Converter Resolution	14-bit
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Options / Option 21

Analog Demodulation Types	AM, FM, PM
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Physical / Display

Display Resolution	800 × 600 pixels
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TECHNOLOGY

Real-Time Spectrum Analysis

APPLICATIONS

RF signal design, transient analysis, digital modulation analysis, radar & pulsed signal testing, wireless communications debugging

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.