ROHDE&SCHWARZ
Make ideas real

R&S®UPP AUDIO ANALYZER
Multichannel and cost-efficient

The perfect choice for

Audio analysis	HDMI™ applications
Measurements on multichannel devices	Measurements on mixed interfaces

Multichannel and cost-efficient, for use in the lab and in production

The compact cost-efficient R&S®UPP200 audio analyzer is designed for system applications. It features low height and comes without front panel control elements or integrated display.

► Suitable for all interfaces: analog, digital and combined
► HDMI™ device testing
► Up to 80 kHz bandwidth and 200 kHz sampling rate

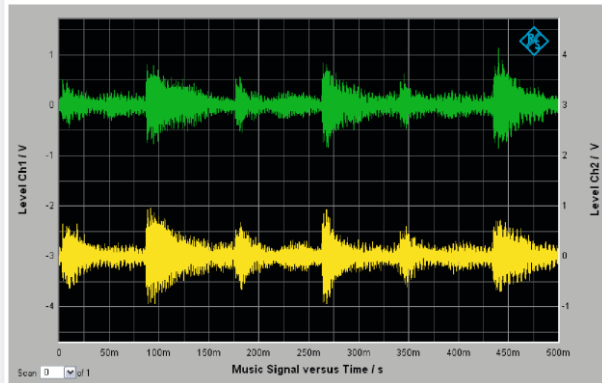| Key specifications	
Analog analyzer	
Frequency range	DC/20 Hz to 21.76/40/80 kHz
Audio range (RMS, sine)	1 µV to 50 V
Measurement functions	RMS wideband, RMS selective, peak, S/N, DC, FFT, THD, THD+N, SINAD, Mod Dist, DFD, polarity, waveform, frequency, phase, group delay
Analog generator	
Source impedance	25 Ω/600 Ω selectable
Voltage (balanced)	0.2 mV to 14 V
Voltage (unbalanced)	0.1 mV to 7 V
Frequency range	0.1 Hz to 80 kHz
Output signals	sine, stereo sine, multisine, sine burst, Mod DIST, DFD, noise, arbitrary waveform, polarity, DC, play WAV files

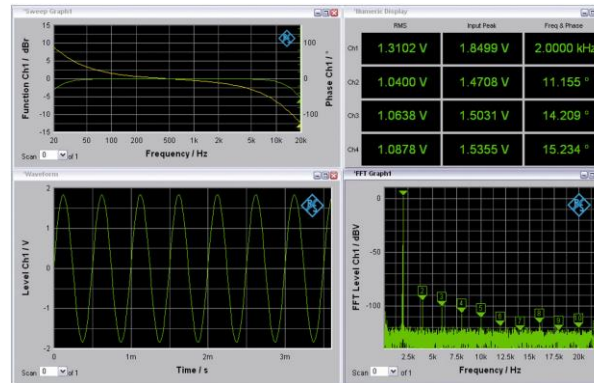| Your benefit	Features
Powerful and fast	► Parallel measurements for high throughput ► High measurement speed throughout the system ► Ideal for use in production ► Multichannel measurements by means of cascading
All test signals and measurement functions in a single box	► Powerful and even multichannel FFT analysis ► User-programmable filters that can be adapted in seconds to the individual measurement task ► Integrated control PC
Convenient operation throughout	► State-of-the-art and intuitive user interface makes operation quick and easy to learn ► All measurement results at a glance ► Effective online help functions

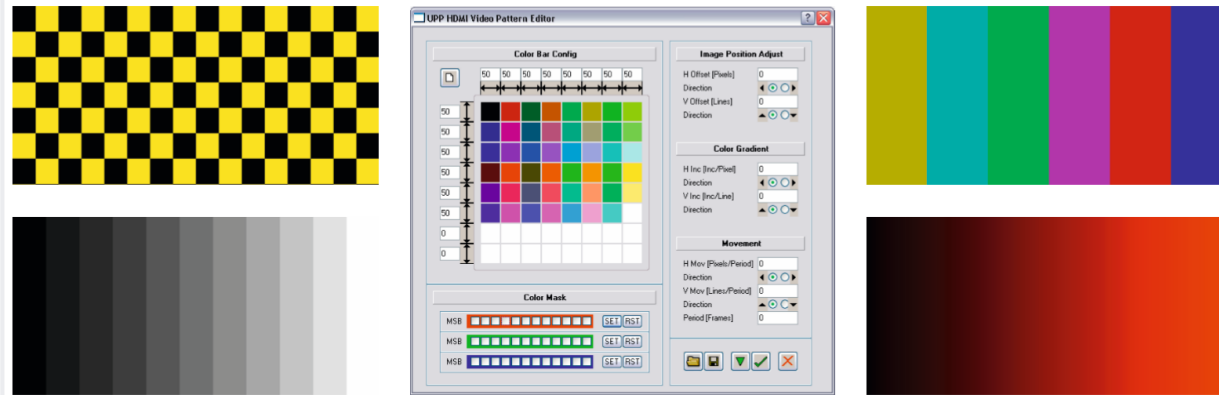## All test signals and measurement functions in a single box

Complex test signals from WAV files can be output at all interfaces; in this example, the waveform function shows the time characteristic of a dualchannel music signal.

All measurement results at a glance

Everything at a glance: Multiple measurement diagrams can be arranged in any desired configuration on the screen; analyses in the frequency and the time domain can be displayed simultaneously.

Video pattern generator and four test patterns

Ordering information

Step 1: Choose your oscilloscope model	
Audio Analyzer, Two Channels	R&S®UPP200
Audio Analyzer, Four Channels	R&S®UPP400
Audio Analyzer, Eight Channels	R&S®UPP800

Step 2: Choose your hardware option	
Digital audio I/O	R&S®UPP-B2
HDMI™ and digital audio interfaces	R&S®UPP-B4
Eight-Channel Generator	R&S®UPP-B8

Step 3: Choose your software option	
Digital audio protocol for R&S®UPP-B2	R&S®UPP-K21
Dolby® data stream decoding for R&S®UPP-B4	R&S®UPP-K41
Extended audio/video measurements for R&S®UPP-B4	R&S®UPP-K45
1/n octave analysis	R&S®UPP-K601
Cascading Software for R&S®UPP800	R&S®UPP-K800

Step 4: Choose your system components [1]	
XL/BNC adapter set, male	R&S®UP-Z1M
XL/BNC adapter set, male/female	R&S®UP-Z1MF
AES/EBU cable for R&S®UPP-B2	R&S®UP-Z2
I2S cable for R&S®UPP-B2/R&S®UPV-B41	R&S®UP-Z3
Eight-channel I2S cable for R&S®UPP-B4	R&S®UP-Z4

[1] refer to the product brochure for more system components