

# DIGITAL TEST PATTERN GENERATOR - TPG8

quality assurance for dvr systems  
and transmission media

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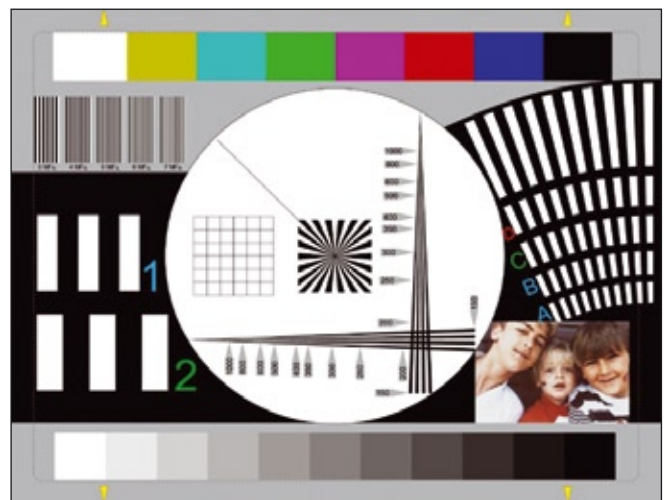
**TPG-8** is a compact, portable device with extreme usability, designed to generate test video signals based on test patterns or other static video images stored in the device memory.

**TPG-8** can be used to assess resolution, dynamic range, colour rendition in video monitors, digital video recorders, digital video security, TV, cable video systems and nonlinear editing systems after digitisation and compression.

**TPG-8** forms test patterns via USB-interface and stores them in its memory.

## Test Pattern Generator TPG-8 can be used to:

- Assess the video monitors rendering quality, including video-frequency band; video monitor linearity, gamma correction, optimal contrast ratio and brightness;
- Measure the recording and playback speed in digital video monitors, network video servers and computer video surveillance systems;
- Control the signal quality of long cable commutation (adjust wave impedance parameters, far-end echoes, etc.);
- Monitor the recording and playback qualities of video recorders and other devices for analog transmission and playback;
- Evaluate vertical and horizontal image resolution, dynamic range and colour rendition after image digitisation under various standards (JPEG, MPEG-2, MPEG-4, Wavelet, JPEG 2000, etc.) and compression levels;
- Estimate geometric distortions after video image digitisation;
- Detect video signal dynamic range and level.



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TELEVISION COMPUTER SYSTEMS