Claims

1. A measuring system for measuring video processing quality of a device under test, comprising:
a measuring device comprising transmission means for transmitting a video to the device under test, wherein:
the device under test receives the video and displays it using a display comprised by the device under test,
the video comprises a plurality of barcodes to be
displayed for a first duration,
the measuring system comprises a barcode reader for
reading the barcodes from the display of the device under test,
the measuring system determines the video processing quality of the device under test based upon measuring results of the barcode reader, and
the device under test and the transmission means are not connected through an ideal channel, but through fading means, producing a sub-optimal transmission channel, and the barcodes are displayed alternating with gaps, wherein the duration of consecutive gaps is increasing or decreasing.

2. The measuring system according to claim 1, wherein:
the video comprises a second barcode to be displayed for a second duration, and the barcode reader reads the second barcode from the display of the device under test.

3. The measuring system according to claim 2, wherein the
video comprises a plurality of barcodes to be displayed consecutively for a constant or decreasing or increasing duration.

4. The measuring system according to claim 3, wherein
the video comprises the gap of a certain duration, during which no barcode is displayed after each comprised barcode.

5. The measuring system according to claim 4, wherein the video comprises a distinct barcode for each frame of the video.

6. The measuring system according to claim 5, wherein the barcode reader processes barcodes with at least the frame rate of the video.

7. The measuring system according to claim 6, wherein:
the transmission means of the measuring device transmits the video at a changing frame rate and/or bitrate and/or bit error rate and/or resolution and/or latency between packet transmission and/or video coding scheme, and
the measuring system determines the video processing quality based upon a correct barcode reception by the barcode reader.

8. The measuring system according to claim 7,
wherein: the measuring system comprises a controller for controlling the function of the measuring device and of the barcode reader, and
the controller determines the video processing quality of the device under test.

9. A method for measuring video processing quality of a device under test, the method comprising:
transmitting a video to the device under test, and
receiving the video by the device under test and displaying it using a display comprised by the device under test, wherein:
the video comprises a plurality of barcodes to be displayed for a first duration,
the barcodes are read from the display of the device under test,
the video processing quality of the device under test is determined based upon measuring results of reading the barcode,
a sub-optimal transmission channel is produced through a
fading means and the device under test and the transmission means are not connected through an ideal transmission means, and
the barcodes are displayed alternating with gaps wherein the duration of consecutive gaps is increasing or decreasing.

10. The method according to claim 9, wherein: the video comprises a second barcode to be displayed for a second duration, and the second barcode is read from the display of the device under test.

11. The measuring method according to claim 10, wherein
the video comprises a plurality of barcodes to be displayed consecutively for a constant or decreasing or increasing duration.

12. The method according to claim 11, wherein:
the video comprises the gap of a certain duration, during which no barcode is displayed after each comprised barcode.

13. The method according to claim 12, wherein the video comprises a distinct barcode for each frame of the video.

14. The method according to claim 12, wherein barcodes are processed with at least the frame rate of the video.

15. The method according to claim 14, wherein:
the transmission of the video is performed at a changing frame rate and/or bitrate and/or bit error rate and/or resolution and/or latency between packet transmission and/or video coding scheme, and the video processing quality is determined based upon a correct barcode reception by the barcode reader.