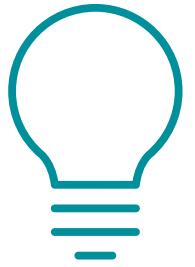




# flexmedia™ K Series

Multimedia Stream Generator/Analyzer  
for MAX9281/82



FlexMedia™ K Series unit is a versatile video generator, frame grabber & real-time frame analyzer to be used for MAX9281/82 multimedia digital stream sources.

On each of the FlexMedia™ K Series unit channels video generation, video frame capture, real-time video content compare, bidirectional data communication and audio stream capture can be performed simultaneously.

## KEY FEATURES AND BENEFITS

- Support for two video stream with independent pixel clocks and timings
- Support UART data sideband channels
- High level API for easy integration
- Audio interface configurability with 16/24/32 word length and 192 kHz sampling frequency
- Ethernet host interface
- Video resolution and video frame rate configurability up to HD resolution



Flexmedia™ K Series multimedia stream generator/analyzer performs video generation, incoming video frames grabbing and full video stream analysis.

Video analysis is performed comparing all the incoming video frames against a reference image and checking on a bit-by-bit basis the exact number of bit errors measuring BER, PER and PSNR.

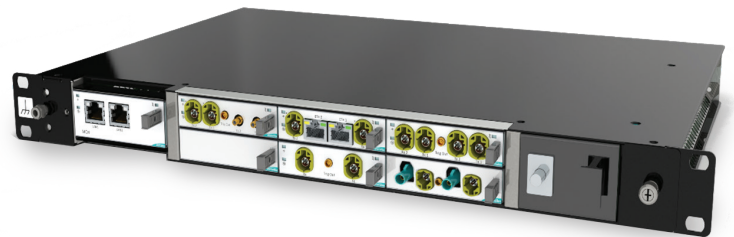
Up to six units can be fit in a microTCA rack hosting main power supply, cooling fan, Gigabit Ethernet switch and Gigabit Ethernet port to host.

## TYPICAL APPLICATIONS

FlexMedia™ K Series unit allows to test automotive equipment (head-units) where MAX9281/82 chipset and related compatible devices are used.

Two different and independent video streams from cameras or infotainment systems main boards can be simultaneously tested with a single FlexMedia™ K Series unit.

More FlexMedia™ K Series unit can be stacked and simultaneously controlled by a single host.



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