

"AVED" Analog Video Encoder/Decoder



AVED video scrambling system is rated for scrambling of PAL or NTSC analog video signal with special key-code. The coded signal can be transmitted over cable or radio channel and decoded at receiver station by a **AVED** unit using the same key-code.

AVED SYSTEM uses improved digital technology to provide secure video images over both cable and RF transmission mediums preventing interception.

These ultra-compact devices simply need to be installed in the video line to produce a scrambled image using the improved dynamic cut-and-rotate scrambling method. The key-code consists of four hexadecimal numbers. With the dynamic cut-and-rotate scrambling method the TV lines at each frame are encrypted in different ways making it impossible to decode with any third party decrypting devices, however such encryption method requires a wide RF channel for signal transmission.

When used in RF applications the traditional problems of noise causing the system to fail have been eradicated, producing a very stable platform for trouble free use.

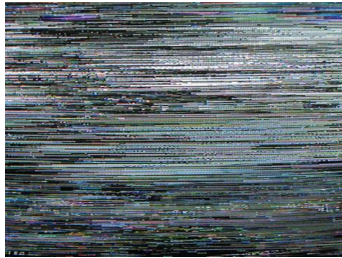
Each unit in **AVED** SYSTEM can function both as Encoder and Decoder.

AVED unit is equipped with one analog video-output and one analog video-input.

Analog PAL or NTSC color or B/W signal is fed to **AVED** video-input. Output video signal is coded and can be transmitted over both cable and RF transmission mediums.

System components:

- Two **AVED** units to function as Encoder and Decoder (each unit can function as Encoder and Decoder).



Encoded video frame



Decoded video frame

SPECIFICATIONS:

Supply voltage (at DC)	from 5 to 15 V
Power consumption	50 mA at 12 V
Operating temperature range	from 0 to 60 deg. C
Analog connectors	1 video-input, 1 video-output
Video standard	PAL (50 Hz) NTSC (60 Hz)
Video in-out parameters	1 Vpp at load 75 Ohm
Scrambling method	Dynamic cuts and rotate method
Dimensions (Encoder/Decoder)	36 x 22 x 6 mm (in the body)
Weight	9 g (in the body)
Key-code variants quantity	65536 for static encoding; 256 for dynamic.
Image quality	Over 450 TV lines