AES3id

AES3: Audio Engineering Society Standard #3

The AES3id interface (alternatively named AES-BNC or AES-75 Ohm) applies unbalanced cable connections. This is the only difference to AES3 which applies balanced cable connections.

AES3id benefits from coax cables as transmission medium. As in the video area 75 Ohm cables and BNC-connectors are applied. Transmission levels are comparable to video line levels. Therefore existing video cabling may be alternatively employed to transmit digital audio signals. Low attenuation and well defined impedance allow running over long distances. 1000m and more can be bridged.

	AES3	AES3id
Cable	balanced, shielded	Coax (video)
Cable length	100 m	1000 m
Connector	XLR	BNC
Impedance	110 Ohm	75 Ohm
Level	2 to 7 Vpp	1 Vpp

The insertion of special adapters accomplishes changeover from AES3 to AESid and back to AES3. This way the prevalent AES3 interfaces can be put into operation also for long distance connections.