

V-50/VG LTC Reader / VITC Generator / Inserter

Timecode User-Bits can be set from the front panel to provide information such as Reel Number or Date. If user-bits are present in the LTC timecode signal, these are automatically passed to the generator for jam-sync operation. Timecode data or User-Bits may be displayed by the video inserter with selection available from the front panel. Please note that if both Timecode data and User-bits need to be displayed on the video signal at the same time, two timecode reader / inserters would be required. **The V-50/VWG Window Generator provides a low-cost solution** for VITC timecode reader / character inserter applications where timecode generation is not required.

INPUTS / OUTPUTS	
LTC Longitudinal Timecode I/P	Unbalanced on RCA / Phono connector at nominal -6dBu
Video Input	1V composite on BNC terminating 75Ohms
Video / VITC Output	1V composite video on BNC with VITC plus Timecode or User-Bits overlayed onto input video
Timecode Formats	EBU 625 lines / 50 fields or SMPTE 525 Lines / 60 fields Drop Frame or Non-Drop Frame Please specify EBU or SMPTE (PAL or NTSC) at the time of ordering
LTC Timecode Reader	Play Speed Fwd only
VITC Timecode Generator	Lines selectable between 10 and 22
VITC Inserter Level	80 IRE nominal
Timecode Inserter Positions	3-pos switch for Top / Middle / Bottom (vertical) Anywhere across the line (horizontal)
Timecode Inserter Sizes	2-pos switch for Large / Small (vertical) Fully adjustable (horizontal)

WORTH CONSIDERING	
Active Video Generator & Reader	V-50/AVG Generates VITC which can be placed in active video plus reads LTC.
VITC Reader / LTC Generator	V-50/VLT Reads VITC, Generates LTC puls converts from VITC to LTC
RS-422 Reader / LTC Generator	V-50/RLT RS-422 serial reader to provide LTC
LTC Reader / RS-422 Inserter	V-50/RLI Reads LTC to provides RS-422 serial

ACCESSORIES	
Standard package	Mains Plug-top Power Supply, Manual
Optional Rack Adapter	V-RM50 rack adapter holds any combination of up to 3x V-50 timecode boxes

PHYSICAL	
Dimensions	145x44x145mm (WxHxD) (1/3-width x 1-U rack height)
Weight	1/2Kg approx
Power Supply	Either 110VAC or 230VAC plug-top providing 9VDC at 500mA

Vortex Communications Ltd
75 The Grove, Ealing, London W5 5LL, UK
Tel: (+44) 020 - 8579 2743 ▼ Fax: (+44) 020 - 8840 0018
E-mail: info@vtx.co.uk ▼ Web: www.vtx.co.uk

IN THE INTEREST OF PRODUCT IMPROVEMENT
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
ALL TRADEMARKS ARE RECOGNISED

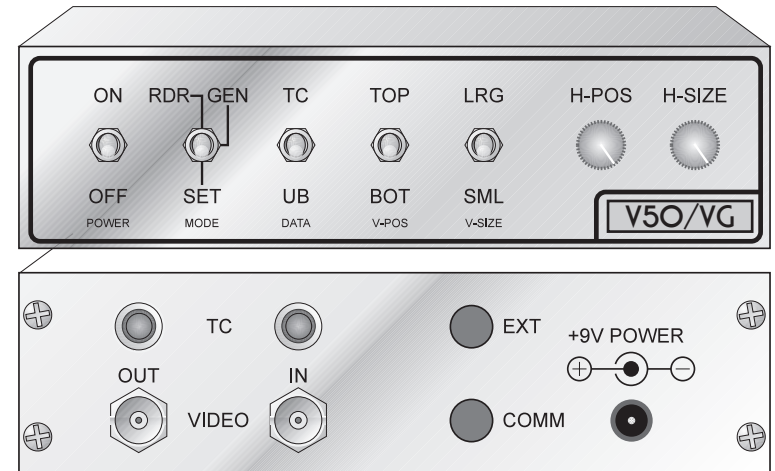
VORTEX
Communications Ltd

Time

VITC Timecode Generator/LTC Converter

V-50/VG

WWW.VTX.CO.UK



DESCRIPTION

The V-50/VG VITC Generator / LTC Timecode Reader / Character Inserter is part of our established range of versatile low-cost timecode products, housed in CE approved desktop metal cases, any 3 of which may be rackmounted using the V-RM50 rack adapter (available separately). It can read LTC Longitudinal Timecode, Generate VITC Vertical Interval Timecode either from a preset time or jam-synched to the LTC timecode input plus generate timecode characters in vision for window dubs, used for tape logging. **The Video input references the VITC Generator** and timecode characters are inserted over this signal. The size and position of the characters may be changed using the front panel controls. Characters are white with either solid or see-through mask with indication of Drop-Frame / Non-Drop operation and Field1 / Field2. The lines on which the VITC timecode is inserted may be selected using DIP switches on the rear panel. For applications where the Vertical Interval is not recorded onto tape (such as DVCam) an Active Video Generator is available (V-50/AVG) which positions the timecode lines within active video. A preset timecode can be entered using front panel switches to step through HH:MM:SS:FF or there are 30/60/90/120 second backtime presets.