



## CITIFAX CTI-1000 Teletext Inserter

### Brief Overview

The CTI-1000 Teletext Inserter has been designed to add legacy analogue Teletext service to any existing composite video signal. It connects to its host, typically a PC or embedded platform, via a standard RS-232 COM port.

The pages to be transmitted to air are loaded into internal memory from the host; up to 800 pages can be stored at once. The inserter then transmits all pages to air on a cyclic basis; one cycle takes approximately 25 seconds if all pages are full.



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### Citifax CTI-1000 Technical Specifications

TV System: 626 Line 50Hz PAL.

800 Page Teletext Inserter, 16 data lines per TV Field

World System Teletext, with sub-page support via host

Supports FASTEXT - packets 24 and 27 stored per page

Transmission data rate 6.9375Mb/s, crystal controlled

Typical average page upload speed ~240 pages per minute

Page transmission Cycle Time ~25 seconds (all 800 pages)

Composite Video Input and Output 1V p-p into 75 Ohms

Video connection RCA PHONO sockets

Nominal video gain 0dB, with Input Level Correction

Internal sync fallback, monochrome (No colour burst)

Host serial port 9 Way D connector, 115K Baud link

LED status indication of Power, Sync and Comms. activity

Real-time battery backed clock & calendar function

Power supply 9 to 12V DC 350mA Max. via. ROKA plug

Robust metal case, approx. 130 x 230 x 45 mm

P100 CITIFAX test page (can be overwritten by host)

Low power integrated RISC CPU executes at over 14 MIPS

Firmware can be field upgraded via. standard serial port

S-Video/YUV Mini DIN Versions available to special order

### Typical Applications

Community TV services

Hotel Client Information

Conference Centres

Retail Point of Display

Schools, University TV

Betting Industry Displays

Hospital Information

Casino complexes

Airport Lounge Displays

Low Cost Broadcast

Solutions for Budget TV

Set Top Box (OEM) Test

Repair Shop Signal Gen.

Amateur TV Teletext;

Local Time Sync (after

Changeover to DVB)