Videoton TVC

The Videoton TVC (Televízió Computer) is a home computer series produced by the Hungarian company Videoton. Released in 1986, it was based on the Zilog Z80 CPU and was primarily popular in Hungary. The TVC line included several models: TVC 32, TVC 64, and TVC 64+, differing mainly in memory configuration. It featured a built-in BASIC interpreter and was capable of displaying graphics and playing cassette-based software.

Quick reference

- **Emulator:** RetroArch or MAME
- **Core:** libretro: ep128emu-core, libretro: mame
- **Folder:** `/userdata/roms/tvc`
- **Accepted ROM formats:** `.cas`, `.tap`, `.dsk`, `.img`, `.zip`

BIOS

RetroArch (ep128emu-core)

The ep128emu-core provides built-in ROM images. No external BIOS files are required, although it can use custom ROM versions if placed in `/userdata/bios/ep128emu/roms/`.

MD5 checksum	Share file path	Description
`8c54285f541930cde766069942bad0f2`	`bios/ep128emu/roms/tvc22_sys.rom`	TVC system BIOS
`5ce95a26ceed5bec73995d83568da9cf`	`bios/ep128emu/roms/tvc22_ext.rom`	TVC extension BIOS
`a2cf86ba8e7fc58b242137fe59036832`	`bios/ep128emu/roms/tvcfileio.rom`	TVC Direct File I/O
`88dc7876d584f90e4106f91444ab23b7`	`bios/ep128emu/roms/tvc_dos12d.rom`	TVC disk BIOS

MAME

MAME requires the following BIOS file placed in `/userdata/bios/`:

File	Description
`tvc64.zip`	Videoton TVC 64 BIOS

ROMs

Place your TVC ROMs in `/userdata/roms/tvc`.

Emulators

RetroArch

RetroArch (formerly SSNES), is a ubiquitous frontend that can run multiple “cores”, which are essentially the emulators themselves. The most common cores use the libretro API, so that's why cores run in RetroArch in Batocera are referred to as “libretro: (core name)”. RetroArch aims to unify the feature set of all libretro cores and offer a universal, familiar interface independent of platform.

RetroArch configuration

RetroArch offers a **Quick Menu** accessed by pressing `[HOTKEY]` +  which can be used to alter various things like RetroArch and core options, and controller mapping. Most RetroArch related settings can be altered from Batocera's EmulationStation.

Standardized features available to all cores of this emulator: `tvc.videomode`, `tvc.ratio`, `tvc.smooth`, `tvc.shaders`, `tvc.pixel_perfect`, `tvc.decoration`, `tvc.game_translation`

libretro: ep128emu-core

ep128emu-core is a highly accurate emulator ported to libretro. It supports both Enterprise 64/128 and Videoton TVC emulation.

libretro: MAME

MAME can emulate the Videoton TVC 64 using the `tvc64` driver. This allows loading cassette and disk images directly.

MAME (standalone)

The standalone MAME emulator provides the same `tvc64` driver as the libretro core, but as a separate application.

Controls

Most TVC software is operated with the keyboard. There is a minimal pad2key configuration provided,

but if you use only a joystick, you will most probably have to remap the keyboard to play your game.

Troubleshooting

Further troubleshooting

For further troubleshooting, refer to the generic support pages.

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