Tandberg
TDV 2114
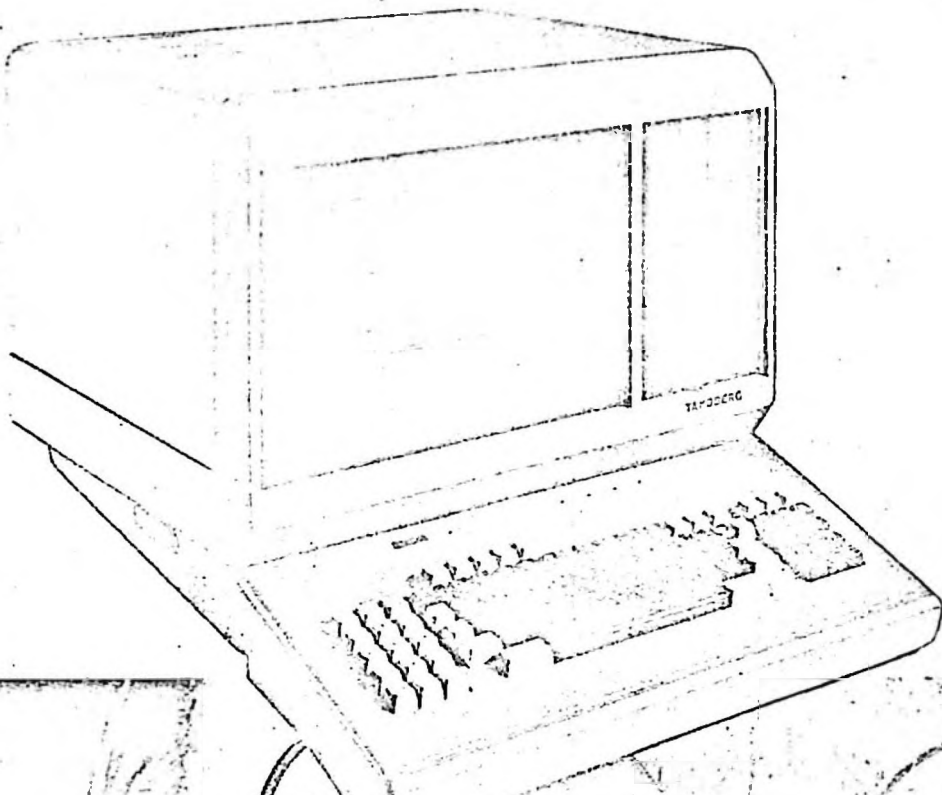# Intelligent Display Terminal
with built-in Mass Storage.

- Fully user programmable
- Two 8080A microprocessors
- Maximum configuration:
- 58k memory, four diskette drives and four cartridge drives
- Comprehensive operating system

The TDV 2114 is a fully user programmable intelligent terminal with either a built-in IBM compatible diskette or a Tandberg cartridge drive. This unit will effectively give the user a computer capability at his fingertips, being a powerful and flexible unit expandable up to 58k bytes memory with 4 diskette drives and 4 cartridge drives.

The TDV 2114 has two microprocessors, one for display and keyboard handling, and one for the programmable terminal applications.

The microprocessors make it easy to change from one mode of operation to another simply by loading another program.

The design criterias have been aimed high to satisfy the requirements for ergonomics and operator convenience:
Green or yellow anti-reflection filter.
Large stable characters obtained by 7×9 matrix.
Detachable keyboard.
Terminal tilting possibility.
Six display modes.

Standard features:

- 12 inch screen with character size 2,6 by 4,7 mm (0,1" by 0,18").

- Selection of different display character sets. 95 characters are standard.

- Upper and lower case letters.

- 7 by 9 dot matrix for character display.

- 14 by 9 dot matrix may be used for semigraphic character sets.

- Selection of green or yellow anti-reflection filter.

- Selection of cursor type (block/underline, steady/blinking) under program control.

- Video modes:
Normal, underline, blink, invisible, inverted video and low intensity.

- Cursor and video blink rate may be altered under program control.

- Direct cursor addressing.

- One built-in diskette or cartridge drive.

- Selection of different standard keyboards.

- Fully user programmable.

- Minimum configuration contains two 8080 microprocessors, firmware and 20k bytes random access semiconductor memory (RAM).

- Asynchronous current loop (printer) interface factory selectable for speeds from 110 to 19200 baud.

- V-24 and current loop, asynchronous/synchronous communication interface.   Mode and speed may be altered under program control.

- Built-in mass storage on 250k byte floppy disk or on a 2,5M byte cartridge.

- Transmission status is given by LED-indicators on keyboard.

Software

TDV 2114 is a fully programmable unit which may be used as a stand-alone processing system or as an intelligent terminal. A firmware monitor and a comprehensive operating system complete with utility programs and language processors aid the user in developing programs to his own requirements, and allows OEM-users to cheaply and efficiently adapt the TDV 2114 as a part of their own systems.

The operating system TOS 21 may be utilized on all 2114 units. It provides a number of features to make End-User and OEM programming as easy as possible.

High level languages in addition to assembler.

Physical and electrical specifications

Power:	220V/50Hz
	170 Watts
Cabinet dimensions:	Width 480 mm (18,9")
	Height 405 mm (15,9")
	Depth 500 mm (19,7")
Keyboard dimensions:	Width 480 mm (18,9")
	Height 90 mm (9,1")
Weight:	Display unit
	32,2 kg (71 lbs)
	Keyboard
	3,2 kg (7 lbs)
Operating temperature range:	0-40° C

Options: - Additional 16k or 32k of RAM or PROM storage.
- Cluster controller with provision for connection of 7 slave-VDU's and one printer.
- The character set may be extended with 32 fixed or loadable special characters.
- Extra mass storage.
- The VDU may contain both floppy disk controller and cartridge controller.
- Each controller can handle up to 4 drives.
- 120 or 220 characters per second bidirectional printer with elongated characters, black and red print, and lower case letters.

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