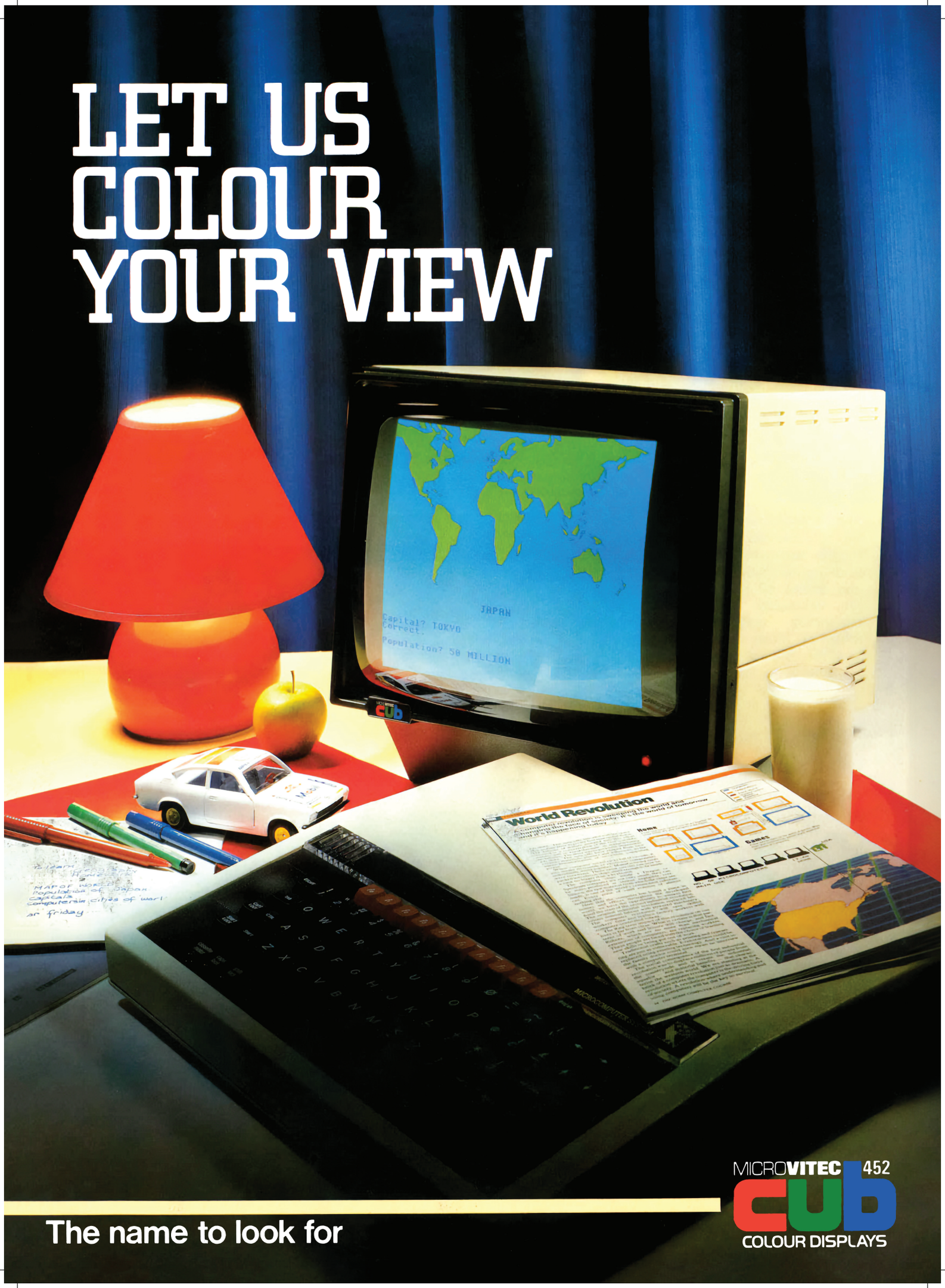

LET US
COLOUR
YOUR VIEW
JAPAN
Capital? TOKYO
Correct.
Population? 50 MILLION
World Revolution
MICROVITEC 452
cub
COLOUR DISPLAYS
The name to look for

CLEARLY THE MOST

WHAT IS CUB 452?

CUB 452 is the standard resolution option from the popular Microvitec CUB range of 14" colour displays. Displays that provide the highest quality colour resolution at optimum cost with maximum compatibility. This standard resolution model offers 452 addressable pixels horizontally by 585 addressable pixels horizontally.

Designed specifically for the popular home and educational computers CUB 452 has fast become an educational standard and a familiar sight in the computer enthusiasts home.

WHY HAS CUB 452 BEEN SO SUCCESSFUL?

CUB 452 offers you a simple, economical colour communication and above all a sound reputation for reliability and quality. A reputation endorsed by the following facts:-

- ☐ CUB 452 is the only colour monitor to be selected for the Department of Industry micro's in primary schools scheme and the peripherals scheme for all secondary schools.
- ☐ Over 30,000 schools throughout the U.K. use CUB 452 colour displays.

CUB is approved and recommended by the majority of big names in microcomputing in the U.K. These include Acorn Computer, Sinclair Research, Research Machines, I.B.M. and many more.

PERFORMANCE WITH SAFETY

Operating your computer with CUB 452 will enhance its educational properties and display information more interestingly.

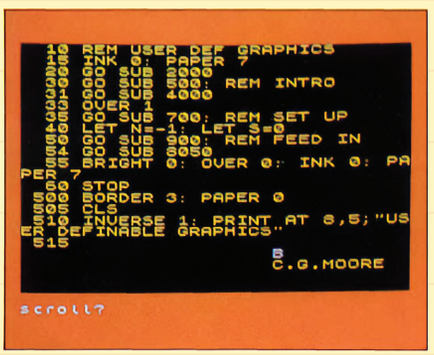
CUB 452 will eliminate disappointing colour reception and poor character definition commonly associated with domestic TV's and other colour monitors.

DIFFERENT APPLICATIONS OF CUB 452 SHOWING CLARITY OF PICTURES

Microvitec used with B.B.C. computer.

Microvitec Monitor used with Apple 2.

Microvitec CUB 452 used with Sinclair Spectrum.



Text performance with Sinclair Spectrum.

*Apple is a registered trademark of Apple Computers Inc.

- ☐ You will be assured of pure colour reproduction and surprisingly well defined text even in 80 column mode (mode 0 on the BBC).
- ☐ CUB 452 is safe and is approved by BEAB,* Test Bureau and the G.L.C.
- ☐ See for yourself – visit your local dealer and compare CUB 452 on performance and results. You will be surprised.

* These models B.E.A.B. approved.

1431/MS	1432/MS
1431/MB	1435/MS
1431/MZ	1439/MS

CUB 452 KEY FEATURES

- ☐ Fully isolated switching power supply (110v or 240v options).
- ☐ Low power consumption (typically 65 watts).
- ☐ High performance self-converging PIL tube.
- ☐ Choice of interfaces.
- ☐ Optional composite or separate line/field sync.
- ☐ 625 line/50Hz or 525 line/60Hz operation.
- ☐ Wide band width video stages.
- ☐ Improved EHT performance.
- ☐ Well proven PCB's for maximum reliability.

The name to look for

COLOURFUL LEADER

CUB 452 SELECTION CHART

COMPUTER	MODEL REQUIRED	DESCRIPTION
B.B.C., Electron, RML 4802, Oric	1431/MS or LS	14" Standard resolution with link selectable inputs TTL or linear.
Sinclair Spectrum (Also compatible with all of the above)	1431/MZ	14" Standard resolution RGB dual inputs:- i) Sinclair Spectrum Interface ii) TTL.
RML 380Z	1439/MS or LS	14" Standard resolution with 1V/75 ohm analogue inputs.
B.B.C. 480Z, Oric, Electron and 380Z (dual standard)	1435/MS or LS	14" dual standard. Standard resolution display (switch select) TTL or 1V/75 ohm.
Apple II & IIe	1436/MS or LS plus Mac 2 card*	14" Standard resolution with ROM programmed to Apple colour set.

MS = Metal Cabinet LS = Plastic Cabinet
* Monitor for Apple II or IIe must have Mac 2 colour card.

CHOICE OF CABINETS

Microvitec CUB 452 has become well known by its distinctive design. Manufactured in metal the MS variant cabinet provides a robust yet attractive enclosure which will stand up well to general wear and tear and which has been built with safety in mind.

An optional clip on plinth is available for this cabinet (See photo).

As an alternative there is an attractively styled structural foam moulded cabinet (LS version) which will look good in any environment.

SCREEN SIZE

CUB 452 comes as standard with a 14" screen, however, a 20" version (suitable for group display or classroom teaching etc) is available. See CUB 20" leaflet.

HOW TO CHOOSE YOUR CUB 452

CUB compatibility – CUB 452 is compatible with most micro-computers, however, not all computers have the same interface therefore CUB 452 is offered with a variety of interfaces for most popular computers.

A quick look at the CUB 452 selection chart will tell you which model is best suited to your application/needs.

If you are unsure or have any difficulties in selecting your CUB 452, please contact our sales office staff. We will be pleased to assist.

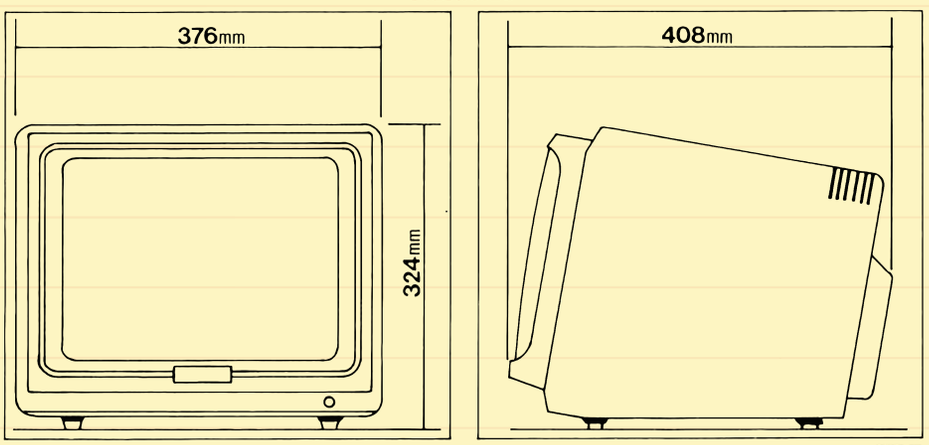
WHERE TO BUY YOUR CUB 452

CUB 452 is available from a large number of computer dealers throughout the U.K. Contact your local dealer or give us a call. We will gladly direct you to the nearest stockist.

MICROVITEC 452 CUB COLOUR DISPLAYS

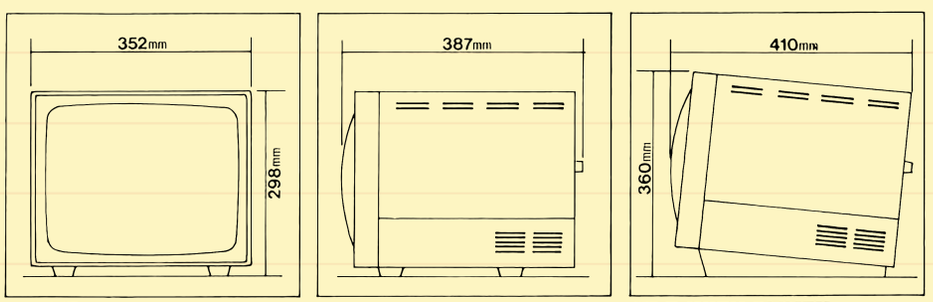
MICROVITEC CUB 452 PLASTIC/LS CABINET

CABINET DIMENSIONS
Plastic LS



FRONT SIDE

CABINET DIMENSIONS
Metal MS



FRONT SIDE SIDE WITH PLINTH

CUB 452 TECHNICAL SPECIFICATIONS

System:	(1) 625 lines, 50 fields interlaced or 624/626 lines 50 fields non-interlaced. (2) 525 lines, 60 fields interlaced or 524/526 lines 60 fields non-interlaced.
Supply:	180-265v AC 48-64 Hz (110 volt version available on request)
Time base:	Pull-in range ± 500 Hz Lock-in range ± 700 Hz
Positional Error:	± 2%
Convergence Error (max):	0.3mm screen centre 1.6mm screen edge
EHT:	Approximately 24 Kv
Bandwidth:	18 MHz
Resolution (625 lines):	452 (H) x 585 (V) pixels
CRT:	Rectangular 335.4mm (screen diagonal) 90° diagonal deflection, Automatic degaussing at switch on. Precision-in-line gun. 0.62mm dot pitch. High focus voltage. Stripe phosphor.
Inputs:	See CUB 452 selection chart.
Operating temperature range:	0-55°C (open chassis)
Power consumption:	Approximately 65W
Weight MS cabinet:	12 kg (approx)

MICROVITEC 452 CUB COLOUR DISPLAYS

Distributors

Microvitec Sales Dept.
Futures Way, Bolling Road, Bradford,
West Yorkshire BD4 7TU.
Telephone (0274) 390011. Telex 517717

Silicon Express Ltd.
Silicon House, Fowke Street,
Rothley, Leicestershire LE7 7PJ.
Telephone (0533) 374917.

C.E.M. Microcomputer Services
117, University Street,
Belfast BT7 1HP, Northern Ireland.
Telephone (0232) 24411/243564.