

MODEL NO.
12/800

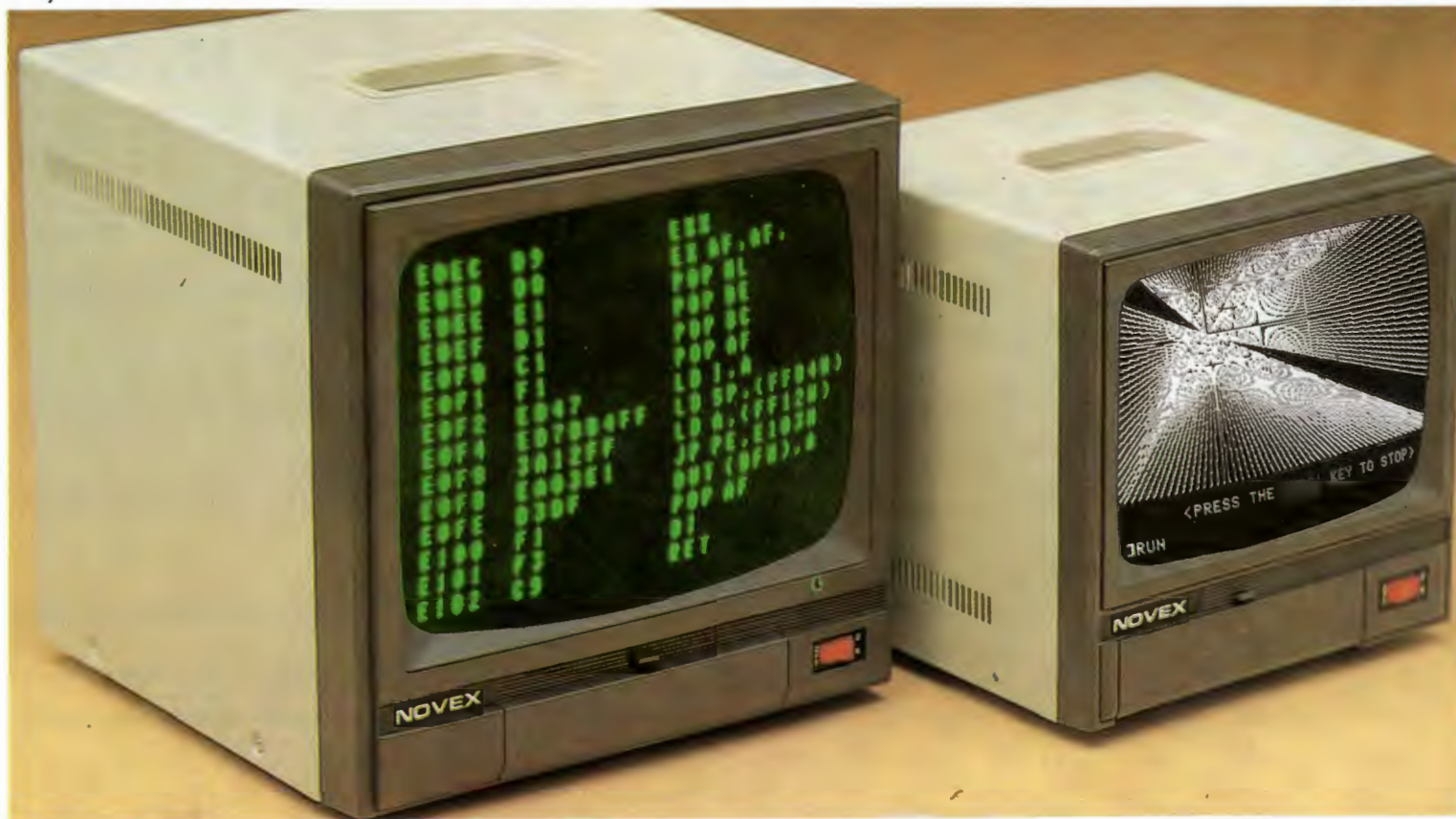


DARK SCREEN

The Technology that puts NOVEX light years ahead



MODEL NO.
12/500



MODEL NO.
9/500



Display Distribution, who market probably the most comprehensive range of professional monitors, announce an astounding leap forward in monitor technology. The revolutionary NOVEX D/S monitor combines superb resolution graphics, colour balance and image clarity which moves existing monitor technology into the past. NOVEX advanced technology doesn't stop there; just push the unique green switch and instantly convert your monitor to a D/S green monochrome monitor for programming and word-processing applications.

NOVEX monitors (recommended for use with the BBC Micro and approved by the 'Test Bureau' for education) are specifically designed with both RGB and PAL inputs to cater for the majority of small computers. The durable metal case (in BBC Micro colours) houses an internal speaker with independent volume control, together with carrying handles for greater safety when moving the monitor around.

The complete range of NOVEX monitors is available through your local micro dealer, and backed by Display Distribution's after sales support. Dealer enquiries welcome by contacting Charles Martin on 01-891 3668.

Specifications are subject to change without notice



DISPLAY DISTRIBUTION LTD: 35 Grosvenor Rd., Twickenham Middlesex. Telephone 01-891 1923/1513 Telex 295093

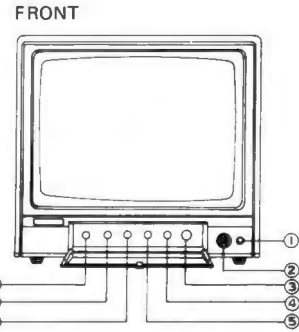


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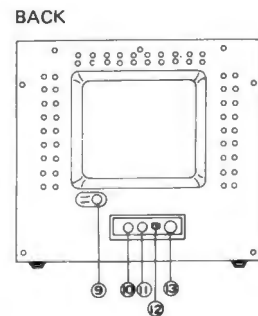
DISPLAY DISTRIBUTION.....
CARE OF EVERY DETAIL, RIGHT DOWN TO THE PRICE **£199-95**
Excl. VAT & Carriage

COLOUR DISPLAY MONITOR NC-1414-CL

The Novex NC-1414-CL Colour Monitor has been produced to meet the need for a robust, reliable, inexpensive and good performance Colour Monitor. Initially designed to work with the B.B.C. Micro it's specification has been considerably upgraded in order to work with the majority of Computers which produce a R.G.B. or composite output. It also incorporates a sound facility and a green text switch which allows the Monitor to be used for such applications as word processing, thus saving the outlay on an independent monochrome monitor. This Monitor, we feel, offers more facilities and better performance/reliability within it's price range than any other Monitor on the market today.



DEVICE	FUNCTION
(1) LED Lamp	Mains On/Off Indicator
(2) ON/OFF/Volume	Mains Off Mains On
(3) Green/Colour Switch	Audio output adjust Green Display Colour Display
(4) Brightness	RGB Brightness
(5) Vertical Hold	Vertical Sync RGB/PAL Composite
(6) Brightness	PAL Composite Brightness
(7) Contrast	PAL Composite Contrast
(8) Colour	PAL Composite Colour



DEVICE	FUNCTION
(9) Termination Switch	RGB Input PAL Composite
(10) Audio In	Phono Audio Input Socket
(11) Video In	PAL Composite Phono Input Socket
(12) Sync Switch (When fitted)	Selection of POS/NEG Sync Input
(13) 8 Pin Din	RGB/SYNC/Sound Input Socket

PRODUCT SPECIFICATIONS

VIEWING AREA	14" (37cm diagonal) 90 square inches
PICTURE TUBE	13VBYP22
PAL COMPOSITE INPUT	PAL standard 625 lines, 50 fields/second Horizontal Resolution Colour 300 lines Monochrome: 350 lines Video Signal Input 1.0 Volt p-p composite video into 75 ohms Input Connector Phone socket
R.G.B. COLOUR INPUT	
Input	R.G.B. TTL level
Sync	Separate or mixed vertical and horizontal sync input, positive or negative switchable.
Signal	3 Signal video (red, green & blue) TTL level, positive or negative Typical pulse levels: black level 0V, max saturation +4V OR Black level +4V max saturation 0V
SYNC Inputs	Horizontal: Frequency 15625HZ Frequency range 15250HZ to 16250HZ Pulse level +2.0V to +4V Pulse width typical 4.5 μs Vertical: Frequency 50HZ Frequency range 48HZ to 65HZ Pulse level +2.0V to 4.0V Pulse width 30-60 μs
Input Connector	8 PIN DIN CONNECTOR
Video Spec.	a) Frequency response: 7MHZ min with rise time of 50ns max and Overshoot of 10% Max
Resolution	a) Horizontal: 413 TV lines (Limited by no. of pixels, Pixel spacing 0.6mm) b) Vertical: 280 TV lines (non-interlaced)
Geometry	a) Horizontal : 10% (Max) b) Vertical : 10% (Max) c) Pincushion distortion : ±2% of horizontal width d) Centering-Vertical : ±3mm (typical) -Horizontal : ±5mm (typical)
Picture Size Regulation	Beam current change from 50 μA to 0.8 MA: ±3% max. Max. average beam current: 1.0MA
EHT Regulation	2.6MEG. ohm
Horizontal Retrace/Blanking Time	12 μs/13.5 μs typical
Horizontal Width Control Range	±10mm with nominal width = 300mm
ANODE VOLTAGE	24KV at 240V AC (Via insulating transformer) beam current = 0 and horizontal frequency = 15625HZ
AUDIO	Sound Input 5 dBm into 1K ohms Sound Output 1.0 Watts (at 10% T.H.D.) POWER SOURCE AC 240V/50HZ or 220V/50HZ POWER CONSUMPTION 75 Watts
OPERATING AND AMBIENT TEMPERATURE RANGE	0°C to 55°C
STORAGE TEMPERATURE TANGE	- 40°C to +85°C
RELIABILITY	MTSF (Mean time between failure) 10,000 hrs.
CONVERGENCE	Center: 0.7mm max Corner: 1.0mm max
DIMENSIONS (NET)	380m/m(W) x 370m/m(D) x 357m/m(H)
WEIGHT	18Kgs
PACKING	In export standard carton Approx. 3 cuf/set/ctn. 325 sets/20' container.
CONTROLS	PAL Inside H. Width, H. Phase, H. Hold, V. Linear, V. Size, V. Center, Focus, Screen, R. Bias, G. Bias, B. Bias, B. Drive, G. Drive, Sub Brightness, Sub Contrast, Sub Colour APC, Killer, PAL Amplitude, B+ Adj, PAL Phase, Burst Gate Pulse. Outside Power (ON/OFF) Volume, V. Hold, Brightness, Contast, Colour, Green-screen R.G.B. Inside H. Width, H. Phase, H. Hold, V. Linear, V. Size, V. Center, Focus, Screen, R. Bias, G. Bias, B. Bias, B. Drive, G. Drive, B+ Adj. Outside Power (ON/OFF), Volume, V. Hold, Brightness, Green-screen

MODEL NO. MED. RESOLUTION COLOUR DISPLAY MONITOR NC-1416-RM

PRODUCT SPECIFICATIONS

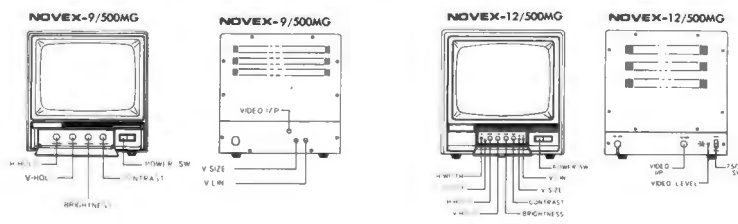
PICTURE TUBE	370 JYB22 or 370MWB22 14" diagonal & 90° deflection, Black Dot matrix. (Japanese, high grade CRT)
INPUT SIGNAL	R G B direct drive system Video Signal TTL level, positive Vertical SYNC TTL level, positive or negative Horizontal SYNC TTL level, positive, or negative
INPUT TERMINAL	8-PIN Connector or DIN-connector
SCANNING FREQUENCY	Horizontal 15625HZ (64.0 μs) Vertical 50HZ (20.0ms)
ACTIVE VIDEO PERIOD	Horizontal: 48.0 μs max. Vertical: 17.78ms max.
RESOLUTION	Horizontal 560 dots Dot Pitch 0.43mm Vertical 280 lines
VIDEO BANDWIDTH	18 MHZ Typical
ACTIVE DISPLAY AREA	250(W) x 185(H) m m
MISCONVERGENCE	Center: 0.8mm max. Corner: LEFT 0.6mm max. RIGHT 0.8mm max.
DEFLECTION NON LINEARITY	Less than 2% of picture height
DISPLAY SIZE STABILITY	Variation less than 1.5% within Contrast range.
DISPLAY COLOURS	16 colours when used with IBM personal computer producing half intensity drives. 8 standard colours when used with computers not having half intensity feature. (White, Yellow, Cyan, Green, Magenta, Red, Blue, Black)
RECOMMENDED NO OF DISPLAYED CHARACTERS	2000 characters (80 characters x 25 rows on 7 x 9 dot matrix).
CONTROLS	Inside H. Width, H. Centre, H. phase, V. linear, V. centre, V. height, H. hold, Focus, Screen, Brightness, R. bias, G. bias, B. bias, R. drive G. drive, B. drive, Contrast/bright, Volume, V. hold, Text display switch (green)
SOUND OUTPUT (OPTIONAL)	1.2W
SOUND INPUT (OPTIONAL)	5dBm (Input impedance 10K OHM)
OPERATING AMBIENT TEMPERATURE	0° ... + 40°C
POWER SUPPLY	(E) type 220V or 240V AC (±10%) 50HZ
POWER CONSUMPTION	70W
DIMENSIONS	390m/m(W) x 380m/m(D) x 357m/m(H)
WEIGHT	Approx. 16 kgs.
PACKING	Standard export Cartons Approx. 3 cuf/set/ctn. 325 sets/20' Container.

MODEL NO. 9/500

MODEL NO. 12/500

MODEL	NOVEX-9/500	NOVEX-12/500
CRT SIZE (diagonal)	9"	12"
DEFLECTION ANGLE	90°	90°
AREA (sq. in.)	44"	73"
CRT GRADE, FACEPLATE	DISPLAY, NON-GLARE	DISPLAY, NON-GLARE
STANDARD PHOSPHOR	P31	P31
LIGHT OUTPUT (ft lamberts)	15 nom.	15 nom.
ULTOR VOLTAGE	11.5KV	12KV
RESOLUTION (lines)		
CENTER	700	800
CORNERS	600	700
VIDEO RESPONSE (within 3db) NOMINAL	12MHz	12MHz
HORIZONTAL		
SCAN FREQUENCY	15,750 Hz	15,750 Hz
BLANKING INTERVAL	11 μs	11 μs
DATA DISPLAY PERIOD	40 μs	40 μs
VERTICAL		
SCAN FREQUENCY	50/60 Hz	50/60 Hz
BLANKING INTERVAL	1ms	1ms
DATA DISPLAY PERIOD	12.5ms	12.5ms
LINEARITY	10% or less	10% or less
GEOMETRY	2% or less	2% or less
INPUT COMPOSITE VIDEO		
VIDEO (p/p)	0.5-2.0	0.5-2.0
SYNC	neg.	neg.
IMPEDANCE 75 OHMS + HIGH IMP	75 ohms	SWITCHABLE
VIDEO INPUT CONNECTOR	1 RCA PHONO JACK	1 RCA PHONO JACK
INPUT POWER		
AC (V) 220/240V 50Hz	X	X
POWER CONSUMPTION (nom.)	30W	35W
MECHANICAL		
HEIGHT	9.8"	11.9"
WIDTH	9.3"	11.8"
DEPTH	9.0"	9.8"
WEIGHT	11.9lb.	19.8lb.

CONTROLS:



MODEL NO. HIGH RESOLUTION COLOUR DISPLAY MONITOR NC-1418-RH

The Novex Model NC-1418-RH is a precision High Resolution R.G.B. Monitor embodying a High Grade Japanese Black Matrix Tube having a Pixel Spacing of 0.31 mm. It meets the general computer market requirement for a High Resolution, rugged, reliable colour Monitor at a sensible price. Having an optional sound facility and a green text capability as standard, it probably offers more than many of it's competitors within it's price range.

PRODUCT SPECIFICATIONS

PICTURE TUBE	370 JYB22 or 370MYB22 14" diagonal & 90 degree deflection, Black dot matrix. (Japanese, high grade CRT)
INPUT SIGNAL	R G B direct drive system Video Signal TTL level, positive Vertical SYNC TTL level, positive or negative Horizontal SYNC TTL level, positive, or negative
INPUT TERMINAL	8-PIN Connector or DIN-connector
SCANNING FREQUENCY	Horizontal 15625HZ (64.0 μs) Vertical 50HZ (20.0ms)
ACTIVE VIDEO PERIOD	Horizontal: 48.0 μs max. Vertical: 17.78ms max.
RESOLUTION	Horizontal 720 dots Vertical 280 lines Dot Pitch 0.31mm
VIDEO BANDWIDTH	18 MHZ Typical
ACTIVE DISPLAY AREA	250(W) x 185(H) m/m
MISCONVERGENCE	Center: 0.8mm max. Corner: LEFT 0.6mm max. RIGHT 0.8mm max.
DEFLECTION NON LINEARITY	Less than 2% of picture height
DISPLAY SIZE STABILITY	Variation less than 1.5% within Contrast range.
DISPLAY COLOURS	16 colours when used with IBM personal computer producing half intensity drives. 8 standard colours when used with computers not having half intensity feature (white, cyan yellow, green, magenta, red, blue, black)
RECOMMENDED NUMBER OF DISPLAYED CHARACTERS	2000 characters (80 characters x 25 rows on 7 x 9 dot matrix).
CONTROLS	Inside H. width, H. centre, H. phase, V. linear, V. centre, V. height, Focus, Screen, Brightness Outside Contrast/Bright, Volume, V. hold, Text display switch (green)
SOUND INPUT (OPTIONAL)	5dBm (Input impedance 10K OHM)
SOUND OUTPUT (OPTIONAL)	1.2 W
OPERATING AMBIENT TEMPERATURE	0° ... + 40°C
POWER SUPPLY	(E) type 220V or 240V AC (±10%) 50HZ
POWER CONSUMPTION	70W
DIMENSIONS	380m/m(W) x 380m/m(D) x 357m/m(H)
WEIGHT	Approx. 16 kgs.
PACKING	Standard export Cartons Approx. 3 cuf/set/ctn. 325 sets/20' Container.

MODEL NO. 12/800

The latest addition to the Novex range is the high resolution metal cased 12/800 Monitor. Designed especially for the computer user. This Model will satisfy the most critical computer buff, both in terms of performance and styling. It has a Bandwidth of 20 MHz, and is fitted with a high resolution Green or Amber tube capable of displaying 80 characters a line by 32 lines. Two phono type video connectors are fitted thus allowing the bridging of monitors, and together with a 40/80 column switch that allows the user to select the appropriate mode, makes this one of the most interesting and versatile monitors on the market today.

TECHNICAL SPECIFICATIONS

CRT SIZE (diagonal)	12" (31cm)
DEFLECTION ANGLE	90° nominal, 200mm neck
FILAMENT	12.0V ±10% nominal Heater current 75mA nominal
PHOSPHOR	P31 green standard, amber (H-S) is optional
ANODE VOLTAGE	Approx. 12.0KV
DISPLAY SIZE	210 (H) x 154 (W) mm
ELECTRICAL CHARACTERISTICS	
VIDEO INPUT SIGNAL	0V-2.5Vp-p Composite Video
INPUT IMPEDANCE	NORMAL 75 ohm, HIGH 50K ohm
RISE TIME	Less than 25us
FALL TIME	Less than 25us
BANDWIDTH	20 MHz ± 3dB
SCANNING FREQUENCY	HORIZONTAL 14500 - 17000 HZ, VERTICAL 50/60 HZ
POWER REQUIREMENTS	
AC (V) - HZ	220/240V - 50 HZ
RESOLUTION (lines)	
CENTER	1000
CORNERS	800
VIDEO RESPONSE	20 MHz ± 3 dB
GEOMETRIC DISTORTION	2% or less
LINEARITY	5% or less
CONTROLS	
EXTERNAL	Brightness, Contrast, Power ON/OFF, H-Hold, V-Hold, H-Size, H-LOW Input Level, Graphic/Text Switch
INTERNAL	Vertical Size, Focus, Sub-Bright, V-Lin
CONNECTORS	RCA jack VIDEO-IN, RCA jack VIDEO-OUT
ENVIRONMENTAL	
OPERATING TEMPERATURE	5°C to 55°C
STORAGE TEMPERATURE	-30°C to -60°C
Mechanical	
WEIGHT	8.4 kgs - net
DIMENSIONS	300 (W) x 275 (H) FRONT 242 (H) x 300 (D) mm BACK

CONTROLS:

