DOTRONIX

DOT-X Series of Intelligent Multi-Sync Displays

DOT-X Series 2938i

DOT-X Series of Intelligent Multi-Sync Color Displays

The DOT-X i-Series of Intelligent Multi-Sync Displays offer a fully Windows compatible, built in Intel based computer. The i-Series monitors can be directly connected to a network, providing all the benefits of a Pentium-class computer without the space and mounting requirement or the need for a keyboard and mouse. At Dotronix we are constantly creating new products to fit the needs of today's expanding market place. The 2938i is a Multi-Sync Display that delivers large screen, high resolution graphics along with ultimate flexibility and compatibility.

SVGA Resolution

The *DOT-X i-Series* displays provide a bright, clear, flicker free display by supporting refresh rates up to 72 Hz at 640 x 480 or 800 x 600 at 60 Hz, which reduces eye strain and fatigue. The *i-Series* displays will automatically sync with non-interlaced signals. Display image quality is greatly improved by digital microprocessor control, contrast enhancing dark glass and dual-axis dynamic focus picture tube.

Operational Design

An ideal solution for Public Information Display and Kiosk applications, the *DOT-X i-Series* displays come with streamlined metal cabinets. These cabinets allow the displays to fit in tight places and greatly reduce the interference between adjacent cabinets. Also, custom color cabinets with matching support brackets are available.

Easy Maintenance

As with all *DOT-X i-Series*, the HarcPlus option is available. HarcPlus (Hand-Held Addressable Remote Control) provides On Screen Menus, Purity Guard, Bright Guard, Orbiter and Network Remote Control. Many other features, including Internal Clock and Anti-Glare, are also available. These features greatly reduce maintenance cost and extend the life of your display. All Dotronix displays come with a Full Warranty.

DOT-X
Displays by Dotronix

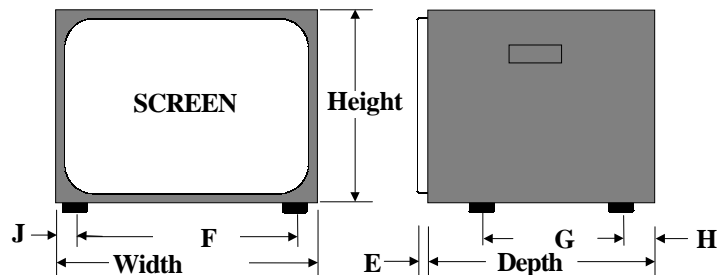## DOT-X 2938i Series

CRT (Cathode Ray Tube)	• 29-inch, 108 degree deflection, super flat square screen, dynamic focus, .75mm Dot Pitch with standard gloss factor, antiglare/antistatic coating
DISPLAY FORMAT RANGE	• 31 kHz to 38 kHz Multiscan / VESA Standard Formats
HORIZONTAL	• Scanning frequency, 31 kHz - 38 kHz
VERTICAL	• Scanning frequency, 50 Hz - 120 Hz
VIDEO	• Bandwidth: 68 MHz at +/-3db
DISPLAY SIZE	• Horizontal: 21.40 inches, 544mm (adjustable) Vertical: 16.10 inches, 409mm (adjustable)
REFRESH RATE	• 640 x 480 - 60 Hz, 72 Hz • 800 x 600 - 60 Hz
EXTERNAL FRONT CONTROLS	• Degauss, Tilt, H. Size, V. Size, Brightness, Contrast, H. Position, V. Position, Pincushion, Parallelogram
EXTERNAL DISPLAY CONNECTIONS	• Video In - 15 pin D-sub connector VGA, Video Out - 15 pin D-sub connector VGA, Power In - IEC 3 pin connector.
INPUT/OUTPUT SIGNAL	• Analog video 0.7Vpp/75 ohm positive, separate sync TTL Level positive/negative, One VGA output with buffer.
POWER	• Power On/Off switch through rear panel, Power ON LED-green is **on**, yellow is Energy Star suspend mode, Front bezel location. 115/230 VAC, 50/60 Hz, (switchable), Power consumption 240 W max
REGULATORY	• UL • CSA • DHHS • FCC
CABINET SPECIFICATIONS	• Height - 20.50 inches, Width - 25.00 inches, Depth - 18.12 inches * *Does not include CRT Face projection or cabinet feet.
OPERATING CONDITIONS	• Temperature: 0°C - 40°C (32°F - 104°F) Humidity: Non-condensing 20 to 90% RH Altitude: 0 to 10,000 feet

2938i Multi-Sync Display

DOT-X i-SERIES	• Intelligent Multi-Sync Display offers a fully Windows compatible, Intel based computer built-in, as well as all the latest features of the *DOT-X i-Series*.
DISPLAY SET UP	• The 2938i monitor can be directly connected to a network, providing all the benefits of a Pentium-class computer without the space and mounting requirements or the need for a keyboard and mouse. It is compatible with most video graphics cards on the market today.
OPTIONS	• A silicon boot drive is available as an option. It greatly enhances reliability enabling the user to boot without a hard drive and to execute programs from the network as a backup, in the event of a hard drive failure.
	• The HARCPlus option is available, which provides a Hand-Held Addressable Remote Control, On-Screen Menus, Purity Guard, Bright Guard, Orbiter and Network Remote Control, as well as many other features.
COMPUTER	• Mother Board- Intel •Hard Drive-10 Gig min. • CPU-333 MHz Intel Celeron with wake on LAN min. •Network Card-10/100 M • CPU Fan-Yes •Memory-64 Mb minimum • Power Supply- with wake on LAN (110/220) •Video Card-4 MB RAM

Mechanical Specification

Model 2938i		DOT-X i-Series	
Size 29-inch		**inches**	**mm**
Height		20.50	521
Width		25.00	635
Depth		18.12	460
Viewable	Diag.	26.60	676
Area	Horiz.	21.40	544
	Vert.	16.10	409
CRT Projection	E	0.88	22
Feet	F	21.25	540
(if used)	G	12.75	324
	H	2.00	51
	J	1.75	44
Weight		115 lbs	52 kg
Shipping		130 lbs	59 kg

SCREEN

Height

J → F

Width

E → G → H

Depth

DOT-X
Displays by Dotronix