

Universal Video Input Unit

Often, when trying to use new Flat Panel Displays as Replacement Industrial Monitors for older, industrial automation display solutions, non-standard timings and formats are encountered that modern Industrial LCD Monitors are not equipped to handle. Dynamic Displays has a solution for this.

Dynamic Display's unique Universal Video Input Option was designed to accept a wide variety of these non-standard, legacy video timing formats and convert them to the VGA-style video format that is acceptable to most modern LCD displays. Its unique sync discriminator circuit filters out extraneous sync pulses found in some legacy video signals and its phase lock loop design supplies sync pulses that are missing in other legacy video formats. This feature enables Dynamic Display's new line of industrial LCD slow scan monitors to serve as replacement industrial monitors for displays such as Fanuc, Teleline, KME and Honeywell monitors.

With the Universal Video Input Option, the user has the choice of switching between two separate video input ports. The first video input port is a standard HD-15 D-sub connection with fixed 75 ohm termination. The second video port has five BNC connections; Red, Green, Blue Video, Vertical Sync, and Horizontal/Composite Sync. The input impedance of each of these inputs may be switched between 75 Ohms and Hi impedance for video loop-through applications.

Either of these two video ports can accept the following video signal format types:

- Three-wire RS170 and RS343-style analog composite sync-on-green video formats - with and without serrations and equalizing pulses.
- Four-wire analog video formats with separate composite sync.
- Five-wire Red, Green, Blue Video, with separate horizontal and vertical syncs.

In addition to these analog video timings, the Universal Video Input Option also accepts TTL video signals on Port one via a 9-pin D-sub connector for CGA and EGA monitors.

With rugged Dynamic Display's low scan monitors fitted with the Universal Video Input Option, you no longer need to buy a remanufactured monitor for your replacement monitor needs; you can buy a DDI Industrial LCD monitor with the Universal Video Input Option for your Industrial Automation Display Solution.



Universal Video Input Option Specifications

Supported Video Input	BNC Connector; 3/4/5 Wire RGB with Separate Sync, Composite Sync or Sync on Green HD15 VGA Standard Connector: Five Wire RGB with Separate Sync, Composite Sync or Sync on Green D-sub 9 Pin: TTL input for EGA & CGA,
Frequency Range	15 to 68 KHz
Input Interface	5 BNC's - HD15 (VGA Analog) - 9-pin D-Sub
Power Connectors	+12VDC Input and Loop through Voltage
Power Requirements	12VDC @ .025A
Dimensions	8" (L) x 4.3" (W) x 2" (H)
Mounting	VESA 75/100
Construction	Rugged for Industrial Applications
Weight	1 Lb.
Warranty	One Year Limited Warranty



15" Tabletop Flat Panel shown with Universal Video

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