



Model Number	Product Code	Description
V1300X-TCC	3762-10	Card Cage
V1300X-TC-PS	3765	Power Supply; 120 V input
V1300X-TC-PS-230	3765-01	Power Supply; 230 V input
V1400X-TDT-MA	6587	Master Module
V1300X-TC-SL-1	4831	Slave Module
V1300X-TDT	3763	Time/Date/Title Circuit Card
V1300X-RCT	3764	Rear Closure Panel

Table 1: Models and Product Codes

### V1300X-TCC Time/Date/Title

- Works with NOVA control system
- Provides titling for up to 64 monitors (with slave)
- 24-hour or 12-hour format
- Variety of character styles

The V1300X-TCC Time/Date/Title merges titling information with video signals for Vicon's NOVA Microprocessor-Based Control System. The V1300 Time/Date/Title CPU has ports for up to four V1300X-TCC master/slave card cage pairs. A single V1300X-TCC card cage handles titling for up to 32 monitors. With the addition of a slave card cage, a master/slave pair provides titling for up to 64 monitors. See Figure 1.

A title display consists of a six-digit date, a six-digit time (24-hour or 12-hour format), and camera identification of up to 60 characters (three lines, 20 characters per line). The characters are jitter-free. The display styles available are: white characters on no background, white characters on a black background, and white characters outlined in black. Two character formats are available: large or small.

Each titler module has BNC input/output connectors for two monitors. The video signal is routed from a camera through Matrix 44® video switch banks to a video input connector. The V1300X-TCC system superimposes the time/date/title data onto the video signal and routes it through the output connector to the monitor.

The V1300X-TCC card cage is a compact unit designed for mounting in an EIA RS-310-C standard 19-inch rack. It houses up to 16 vertically mounted V1300X-TDT circuit cards, one V1400X-TDT-MA or V1300X-TC-SL-1 control module and one V1300X-TC-PS supply module. Table 1 lists the system components and their product codes.

The V1300X-TCC complies with UL standard 2044 and with European Community EMC Directive 89/336. The product was subjected to the testing outlined in European Normalization Standard EN 50081-1 (Electromagnetic Compatibility - General Emissions Standard Part 1: Residential, Commercial and Light Industry), EN 50082-1 (Electromagnetic Compatibility - Generic Immunity Standard Part 1: Residential, Commercial, and Light Industry).

Notes: SUPERSEDES PRODUCT SPECIFICATION 554-391

## Contractors' Specification

### Time/Date/Title for Control System

The time/date/titling system shall support titling for up to 32 monitors; with the addition of a slave card cage, the master/slave pair shall provide titling for up to 64 monitors. The system shall consist of a card cage, a power supply, a master module, a slave module and a time/date/title card. A rear closure panel shall also be available.

A title display shall consist of a six-digit date, a six-digit time (24-hour or 12-hour format) and a camera identification of up to 60 characters (three lines, 20 characters per line). Each titler shall have BNC input/output connectors for two monitors.

The card cage shall be a compact unit designed for mounting in a standard EIA 19-inch rack. It shall house up to 16 vertically mounted time/date/title circuit cards, one control module (master or slave) and one power supply.

The dimensions of the unit shall not exceed: height, 3.5 in. (90 mm); width, 19 in. (480 mm); depth, 8.5 in. (220 mm). The weight shall not exceed 9.7 lb (4.4 kg) fully loaded.

The components of the time/date/title shall be Vicon models V1300X-TCC card cage, V1300X-TC-PS (120 VAC) or V1300X-TC-PS-230 (230 VAC) power supply, V1400X-TDT-MA master module, V1300X-TC-SL-1 slave module, V1300X-TDT time/date/title circuit card and V1300X-RCT rear closure panel.

<b>Vicon Product Facts</b>		Model No: V1300X-TCC	Product Code: Refer to Table 1	SEC: 11	SPEC: 554	REV: 1000
		Vicon part number 8006-7554-01-00				

# Technical Information

## ELECTRICAL

**Input Voltage:** Refer to Table 1.  
**Power Consumption:** 12 W, fully loaded card cage.  
**Heat Equivalent:** 0.7 btu/min (0.2 kg-cal/min).  
 NOTE: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.

**Fuse:** 3 AG, 1/4 A slo-blo.  
**Inputs:** High-impedance looping; nominal 1 V peak-to-peak input.  
**Outputs:** Titling superimposed on video output signal.

**Safety Standard:** UL 2044.  
**European Community (CE) Standards:** EN 50081-1 generic emissions.  
 EN 50082-1 general immunity.

## CONNECTORS

**V1400X-DT-MA:** Command Input: one 34-pin AMP ribbon connector.  
 Command Output: one 20-pin AMP ribbon connector.

**V1300X-TDT-SL-1:** Command Input: one 20-pin AMP ribbon connector.

**V1300X-TDT:** Video Input: two BNC camera inputs.  
 Video Output: Two BNC monitor outputs.

## OPERATIONAL

**Number of Characters:** Up to 60, 3 lines, 20 characters per line.  
**Character Set:** 62 ASCII characters.  
**Character Size:** Small: 8 lines (V) × 13 pixels (H).  
 Large: 16 lines (V) × 13 pixels (H).

## MECHANICAL

**Dimensions:** Height (H): 3.5 in. (90 mm).  
 Width (W): 19 in. (480 mm).  
 Depth (D): 8.5 in. (220 mm).  
**Weight:** 9.7 lb (4.4 kg), fully loaded card cage.  
**Construction:** Aluminum.  
**Finish:** Chassis: clear anodized.  
 Front panel: black semigloss paint.

## ENVIRONMENTAL

**Operating Temperature Range:** 32 to 122° F (0 to 50° C).  
**Operating Humidity Range:** Up to 90% relative, noncondensing.  
**Storage Temperature Range:** -20 to 140° F (-29 to 60° C).  
**Storage Humidity Range:** Up to 85% relative, noncondensing.

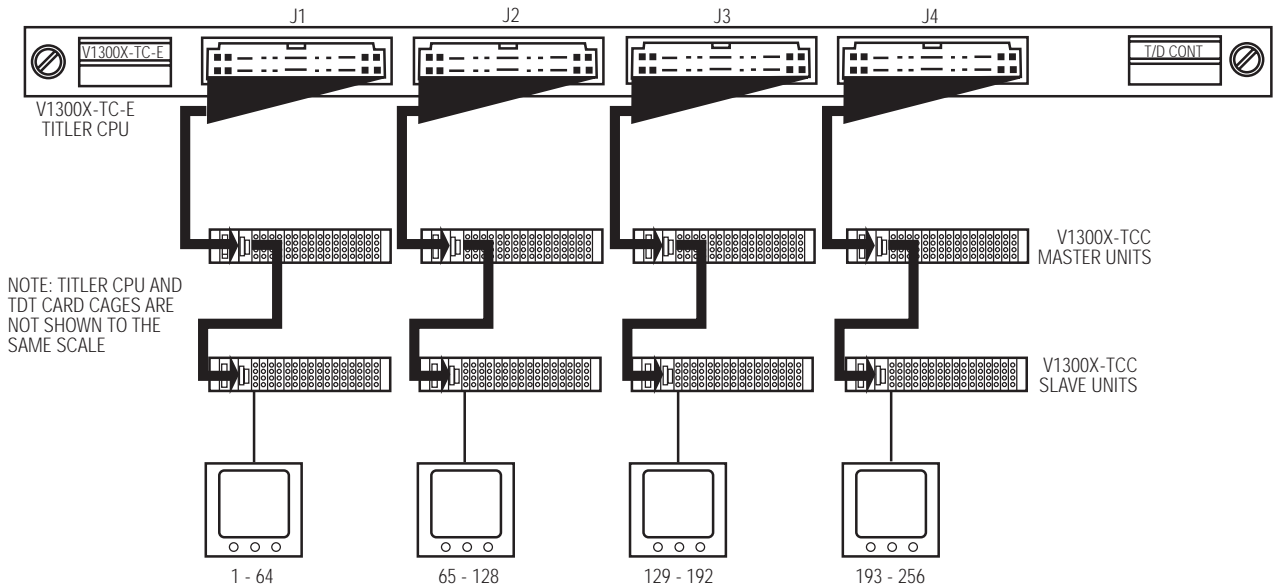
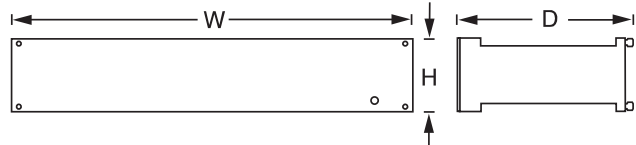


Figure 1: Time/Date/Title Block Diagram

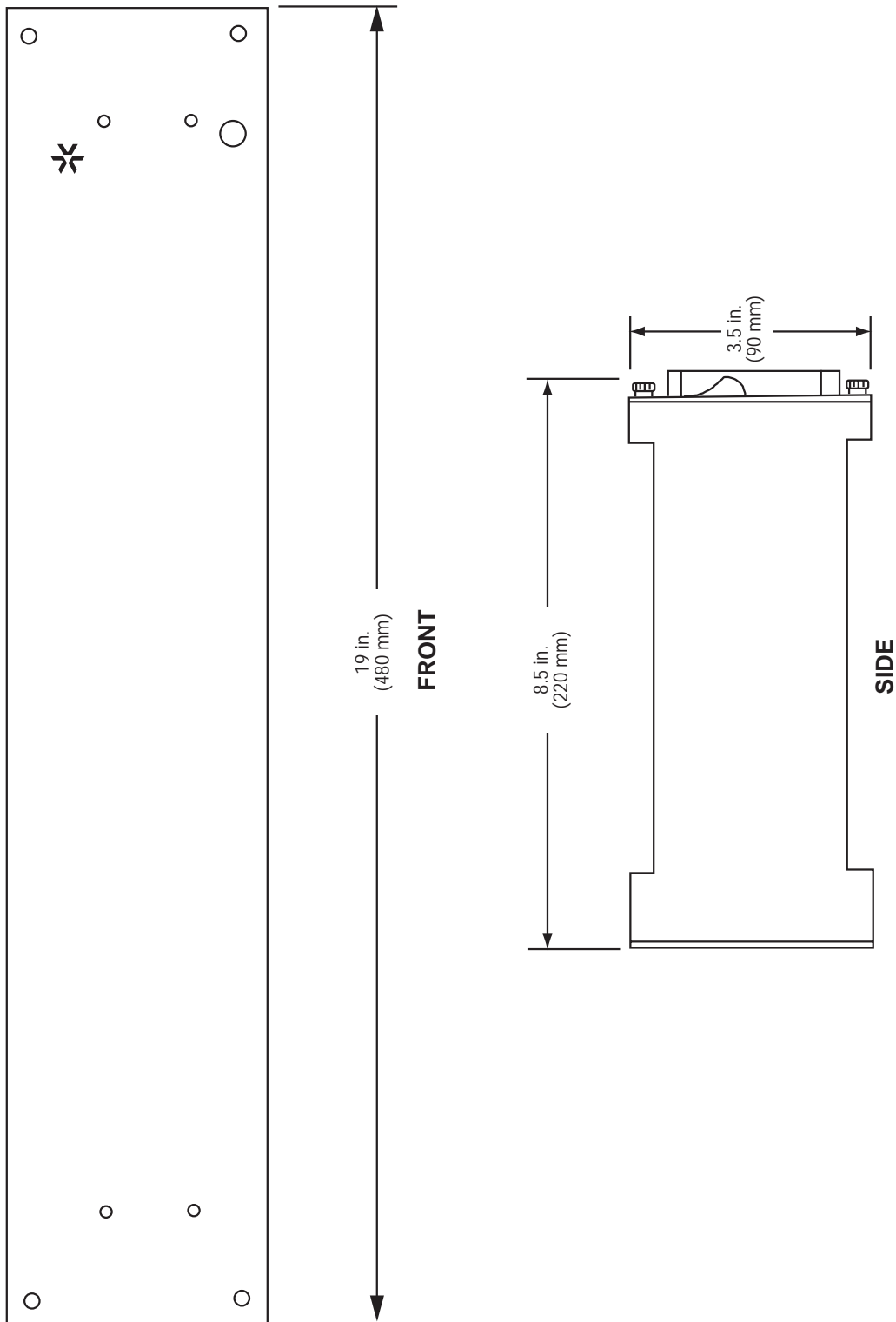


Figure 2: V1300X-TCC Outline Drawing