



Video Capture Option for the SVGA Color Touch OCS HE500VIM400

Products Specifications and Installation Data

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1 INTRODUCTION

The Video Capture Option (VIM400) allows four channels of NTSC or PAL video to be connected to an SVGA OCS 451, 551, or 651. By using the Video Object in Cscape software, video can be displayed on OCS screens in various sizes shown in Table 1.

The Video Object allows viewing video in a window, freezing the video, saving a single frame of the video to Compact Flash, or viewing the video full screen with the full frame rate. A separate control register allows ladder code to optionally freeze or save video snap-shots based on the machine state.

2 SPECIFICATIONS

Table 1 – VIM400 Specifications	
Colors	Maximum 32,768
Video Inputs	4 Video Inputs (NTSC or PAL)
Video Objects	Up to 4 Video Objects displayed per screen. Each Video Object can be optionally set for the user to dynamically select one of the four inputs.
Resolutions per Video Object	4
Resolution (Display Sizes)	<ul style="list-style-type: none">• 640 x 480 full screen• 640 x 480 pixel size• 320 x 240 pixel size• 160 x 120 pixel size
Signal Form	NTSC, PAL
Image Input	1.0Vp-p, 75 ohms imbalance
UL	See Compliance Table at
CE	http://www.heapg.com/Support/compliance.htm

2 INSTALLATION

The following installation information is provided for SVGA OCS451, OCS551, and OCS651.

2.1 Overview

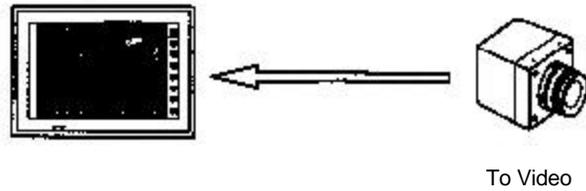


Figure 1 – VIM400 Overview

2.2 Dimensions

(Unit: mm)

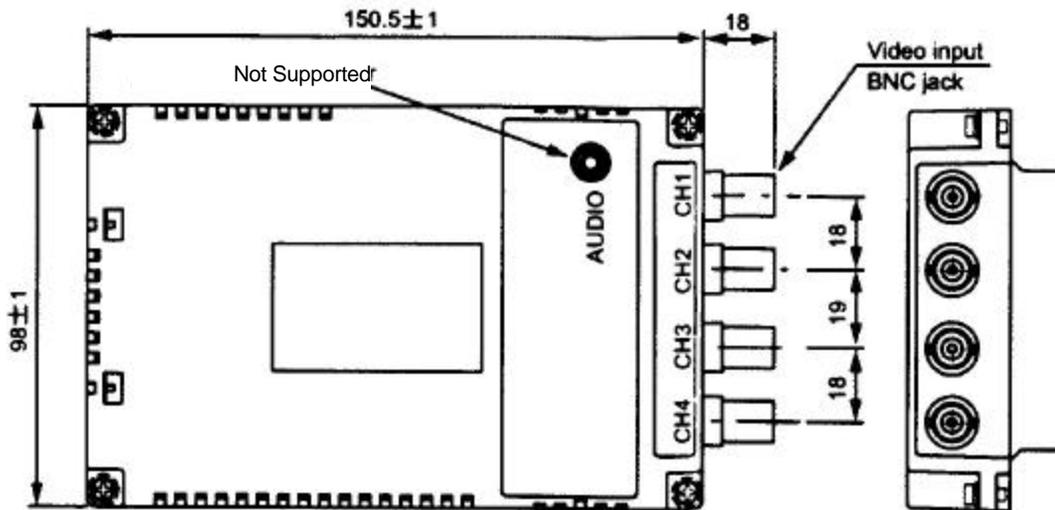


Figure 2 – VIM400

(Unit: mm)

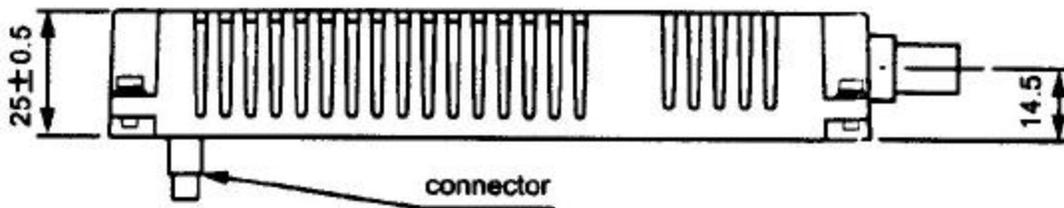


Figure 3 – VIM400 Connector

2.3 Mounting Procedures

1. Turn off the power supply of the SGVA Color Touch OCS.
2. Remove the dust protection seal that is pasted on the back of the SVGA (CN6)
3. Mount the connector of the VIM400 to the SGVA Color Touch OCS (CN6).

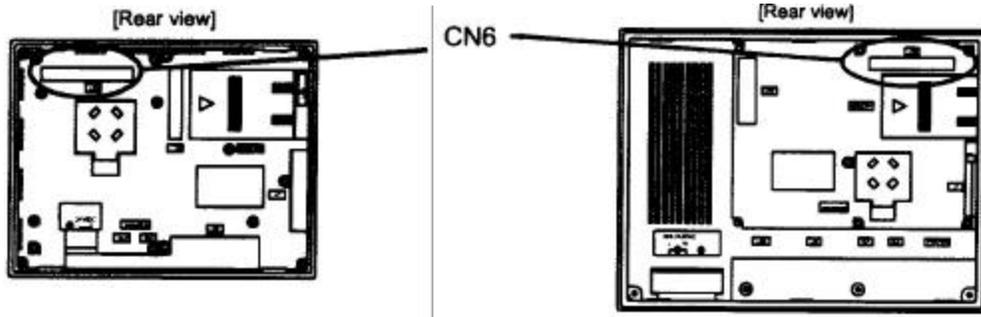


Figure 4 – OCS451 (left) and OCS551 / OCS651 (right)

4. Fix the VIM400 to the SGVA OCS with 4 mounting screws.

Screw points	Screw Size	Torque
Holes for mounting the unit	M3	2.7 – 4.4 in-lb (0.3 – 0.5 N-m)

2.4 Communications Cable

A cable is required to connect the video, camera, etc. to the SVGA with a VIM400 module attached.

- Communication Cable : 75 Ω coaxial cable for image V7i side : BNC plug

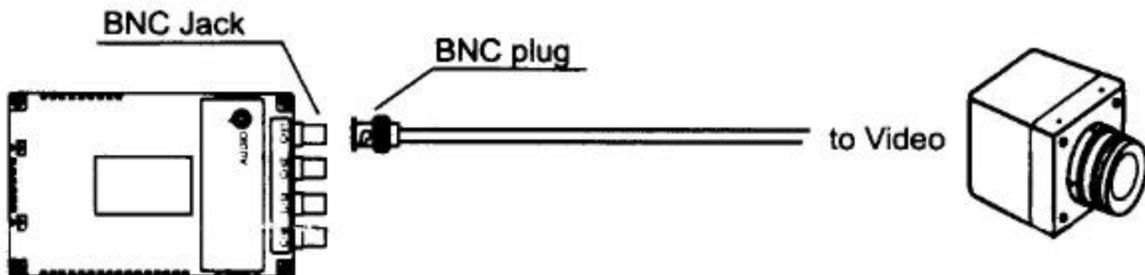


Figure 5 – BNC Jack and BNC Plug

3 SAFETY

All applicable codes and standards need to be followed in the installation of this product.

4 TECHNICAL ASSISTANCE

For assistance, contact Technical Support at the following locations:

North America:
(317) 916-4274
www.heapg.com

Europe:
(+) 353-21-4321-266
www.horner-apg.com