

VCD5202 Video Console Display

MULTICHANNEL VIDEO DISPLAY AND USER INTERFACE



Product Features

- Optimized Virtual Matrix User Interface Provides Full Operator Access Through a User-Friendly, Icon-based, Semitransparent Heads-up Menu Display
- Optimized to Work with the KBD5000 Endura® Keyboard
- User Specific Language Preferences
- Decodes up to 32 Streams Across 2 High Definition Monitors
- Support for High Definition Monitors Through DVI Video Outputs
- Multiple VCDs and Network Decoders Can Be Configured in a Monitor Wall and Accessed from a Single Keyboard
- Multiple Screen Configurations Support Simultaneous Live and Playback Views
- Exports Video and Still Images to a User-Supplied USB Memory Device or Internal CD/DVD Recorder in Multiple Formats, Including Pelco Native, QuickTime® MPEG-4, PNG, BMP, and JPG



The **VCD5202** video console display (VCD) delivers virtual matrix functionality for surveillance operators. The **VCD5202** uniquely addresses the requirements of real-time surveillance installations while balancing the complexity introduced by today's IP and megapixel cameras. Each **VCD5202** decodes up to 32 streams, manages elaborate video walls, and provides for CCTV-style keyboard control and management functionality.

Each **VCD5202** is capable of simultaneously decoding sixteen MPEG-4 streams at 4CIF resolution and 30/25 images per second (ips), twelve H.264 baseline streams at 4CIF resolution and 30/25 ips, or two full 1080p streams in real time. When additional streams are displayed, the VCD5202 uses the patent-pending EnduraView™ technology to automatically seek out and display a lower resolution, second stream from the camera. The technology can also reduce the refresh rate to minimize the impact on processing requirements and network overhead.

Standard resolution and megapixel video streams can be displayed in single, 2 x 2, 3 x 3, 4 x 4, 1 + 5, 1 + 12, and 2 + 8 configurations on 4:3 aspect ratio monitors. For 16:9 aspect ratio monitors, 3 x 2 and 4 x 3 configurations are also available. Any combination of live or playback streams can be displayed simultaneously, including both live and playback streams from the same camera.

Each **VCD5202** drives two high definition monitors (monitor resolutions up to 2560 x 1600) through DVI-I connections. The VCD5202 can also manage a video wall of monitors attached to network decoders or Microsoft® Windows® workstations.

The **VCD5202** incorporates a heads-up display designed to provide efficient control while allowing the operators to remain focused on the video being observed. Working in conjunction with the optional KBD5000, the icon-based menu structure is blended across the primary monitor's display. Shortcut keys on the KBD5000 allow operators to quickly access critical functionality without having to look away from their monitors.

When exporting video, the **VCD5202** provides a built-in DVD burner and the option of exporting video on a user-supplied USB memory key. Audio monitoring is enabled through a built-in speaker in the KBD5000.



MODELS

The following table describes the VCD5202 model numbers. For example, the model number for a unit with a United Kingdom power cord is VCD5202-UK.

Note: Units shipped to China do not include a power cord.

Model	Country Code
VCD5202	US = North America EU = Europe UK = United Kingdom CN = China AU = Australia AR = Argentina

SUPPLIED ACCESSORIES

Power Cord	1 power cord (based on country designation) Note: Units shipped to China do not include a power cord.
Rack Mount Kit	Brackets, rails, and hardware
Bezel Key	2 bezel keys
DVI to VGA Converters	2 DVI-to-VGA Converters

SYSTEM

Operating System	Linux®
User Interface	Icon-based, heads-up display

VIDEO

Video Standards	XVGA (2560 x 1600); 60 Hz capability for NTSC; 75 Hz capability for PAL
Video Coding	MPEG-4, H.264 baseline, main, and high profile
Video Outputs	2 DVI or VGA outputs (2 DVI-to-VGA adapters supplied)

AUDIO

Audio Decoding	G.711 speech codec
Audio Bit Rate	64 kbps
Audio Inputs	Microphone and line in through KBD5000
Audio Outputs	Speaker or line out through KBD5000

PTZ CONTROL

PTZ Interface	Through KBD5000
---------------	-----------------

NETWORK

Interface	Gigabit Ethernet RJ-45 port (1000Base-T)
-----------	--

AUXILIARY INTERFACES

USB Ports	7 USB 2.0 (1 front, 6 rear)
-----------	-----------------------------

FRONT PANEL FUNCTIONS/INDICATORS

DVD±/RW/CD-RW Drive	
CD Read/Write Speed	24X
CD Rewrite Speed	24X
DVD Read/Write Speed	8X
DVD Dual Layer Read/Write Speed	8X/6X
Buttons	Power, configuration/reset
Indicators	
Power	Blue for power
Network Activity	Green or red for activity
Unit Status	Green, yellow, red

POWER

Power Input	100 to 240 VAC, 50/60 Hz, autoranging
Power Supply	Internal
Power Consumption	Operating Maximum
100 VAC	160 W, 1.60 A, 547 BTU/H
115 VAC	160 W, 1.39 A, 547 BTU/H
220 VAC	160 W, 0.72 A, 547 BTU/H

ENVIRONMENTAL

Operating Temperature	50° to 95°F (10° to 35°C) at unit air intake (front of unit)
Storage Temperature	-40° to 149°F (-40° to 65°C)
Operating Humidity	20% to 80%, noncondensing
Maximum Humidity Gradient	10% per hour
Operating Altitude	-50 to 10,000 ft (-15 to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 HZ at a sweep rate of 0.5 octave/min.

Note: The temperature at the unit air intake can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent hard disk drive failure and unit damage, make sure the temperature at the air intake of the unit is continuously within the operating temperature range.

PHYSICAL

Construction	Steel cabinet
Finish	
Front panel	Gray metallic with black end caps
Chassis	Black matte finish
Dimensions	17.0" D x 17.1" W x 3.5" H (43.2 x 43.4 x 8.9 cm)
Mounting	Desktop (feet) or rack (2 RU per unit)
Unit Weight	28.8 lb (13.06 kg)

CERTIFICATIONS/RATINGS

- CE, Class A, meets EN50130-r standard requirements
- FCC, Class A
- UL/cUL Listed
- C-Tick
- S-Mark for Argentina
- CCC

NOTICE: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.

Pelco, Inc. Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA

USA & Canada Tel: (800) 289-9100 • FAX: (800) 289-9150

International Tel: +1 (559) 292-1981 • FAX: +1 (559) 348-1120

www.pelco.com

Pelco, the Pelco logo, and other trademarks associated with Pelco products referred to in this publication are trademarks of Pelco, Inc. or its affiliates. All other product names and services are the property of their respective companies. Product specifications and availability are subject to change without notice.
©Copyright 2010, Pelco, Inc. All rights reserved.