VIDEOXPERT® WORKSTATION 2

The VideoXpert Workstation 2 is the next generation of workstation hardware, which is preinstalled with the VideoXpert Operations Center and Toolbox. Easily watch live and recorded video in an optimal environment with the VxOpsCenter. Users can configure and recall complete workspaces through VxOpsCenter, enabling operators to quickly and efficiently log in and get to work. The VxToolbox offers an easy way to manage all cameras on the network. Simply connect the VxToolbox to the VideoXpert server to configure and manage camera settings, recording schedules, and more. With near limitless scalability of the Shared Display Decoders™, the VideoXpert Desktop Workstation 2 can meet the needs of both small and enterprise-class systems alike.

FEATURES

ON-SITE SERVICE SUPPORT
3-year warranty with Dell Pro Support next day on-site service included, backed by Pelco.

MJPEG, MPEG-4, H.264 AND H.265 COMPRESSION
Optimizes compression levels for regions in a scene to help maximize bandwidth when streaming video.

CUSTOMIZABLE DEPLOYMENT
Provides enhanced flexibility that enables users to install up to 4 direct attached monitors and scalability of the Shared Display Decoders™ to meet your security system requirements.

WINDOWS 10
Includes the Windows 10 Enterprise operating system for easy setup and maintenance.

DELL TRUSTED PLATFORM MODULE
Includes Dell TPM 2.0 for increased security against software vulnerabilities.

PELCO KBD5000 JOYSTICK
Supports the Pelco KBD5000 joystick controller.

MOTOROLA SOLUTIONS

PELCO

SPECIFICATIONS

HARDWARE	
Processor	Intel® Core™ i5-12500
Memory	32 GB DDR4
Operating System	Windows® 10 IoT Enterprise LTSC
SSD Storage	256 GB
Optical Drive	DVD±RW
USB 2.0 Port	2x front, 2x rear
USB 3.1 Port	1x front, 4x rear
USB 3.2 Type-C Port	1x front

VIDEO	
Video System	NVIDIA T1000 8GB
Memory	8 GB GDDR6
Video Outputs	Mini Display Port (DP++) 1.4 (4x)
Display Support (live and playback)[1]	4K monitors: up to 2 monitors directly connected 1080p monitors: up to 4 monitors directly connected Up to 64 streams total across all directly connected monitors (see the System Design Guide for further details)

[1] Memory will support up to 20 synchronized playback streams across all monitors.

NETWORKING	
Interface	Gigabit Ethernet (1000 Base-T) port (1x), 2.5 Gigabit Ethernet (2500 Base-T) port (1x)
IP Version	IPv4 and IPv6

FRONT PANEL	
Buttons	Power
Unit Status Indicator	White, amber, off
Primary Network Indicator	Green, orange, off
Hard Disk Status Indicator	Flashing white
Power Status Indicator	White, off (front of unit), Green, off (rear of unit)

POWER	
Power Input	90-264 VAC, 4.2A (max)
Power Supply	Internal 300W
Power Consumption	1229 BTU/H max

ENVIRONMENTAL	
Operating Temperature	5°C to 45°C (41°F to 113°F)
Non-Operating Temperature[2]	−40°C to 70°C (−40°F to 158°F)
Operating Relative Humidity	20% to 80% (non-condensing, max dew point temperature = 26°C)
Non-Operating Relative Humidity	5% to 95% (non-condensing, max dew point temperature = 33°C)
Operating Altitude	3048 m (10,000 ft)
Operating Vibration	0.26 GRMS random at 5 Hz to 350 Hz

[2] 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 performance failure and unit damage, make sure the temperature at the unit is continuously within the operating temperature range.

PHYSICAL	
Construction	Steel and plastic cabinet
Front Panel Finish	Black
Chassis Finish	Black
Dimensions	29 x 9.26 x 29.28 cm (11.42 x 3.65 x 11.53 in)
Unit Weight	5.63 kg (12.42 lb)

CERTIFICATIONS	
CE	Class B
FCC, Part 15	Class B
ICES-003	Class B
UL/cUL Listed	x
RCM	x
CCC	x
KC	x
NOM	x

SECURITY SPECIFICATIONS

SECURITY FEATURES	
Client authentication	Checks client certificates at the server for additional authentication
Password encryption	Passwords stored with cryptographic protection
Role-based permission	Configurable roles and permissions
User action reports	Provides an overview of the actions taken by users
Encryption over Internet	TLS-based encryption over HTTPS
Antivirus support	Support running with antivirus
Export encryption	Ability to encrypt exports
Synchronized clocks	Synchronized system clocks using NTP
Video and data encryption	Supports video and data encryption using AES-128-256 through third-party disk encryption software
Cryptographic modules	Incorporates FIPS 140-3 validated cryptographic modules
FISMA/NIST Configuration Guidance	Helps organizations documenting the system through their RMF process with information about: how to categorize the system, which NIST-based security controls are applicable, how VX implements NIST-based security controls
FISMA/NIST Compliance Testing	VideoXpert is installed on a FISMA representative system with applicable DISA STIGs (Defense Information Systems Agency, Secure Technical Implementation Guidelines) and tested for functionality. Applicable STIGS include: Microsoft Windows 10 for VxOpsCenter and VxToolbox, Microsoft .NetFramework 4, Microsoft Windows Firewall and Advanced Security, Postgres Database 9.x
Enforces password changes	Conforms to SB327 requirement (and international iterations of such) by enforcing default password changes upon initial configuration

ORDERING INFORMATION

SYSTEM MODELS

MODEL NUMBER	DESCRIPTION
VX-WKST2	Desktop Workstation 2 enabling the use of up to four monitors per workstation. Keyboard, mouse, 4 mini DisplayPort to DisplayPort adapters, 1 mini DisplayPort to HDMI adapter, and power cords (US, UK, and EU) included.

OPTIONAL POWER ACCESSORIES

PART NUMBER	DESCRIPTION
PWRCRD-S-AR	Standard power cord, Argentina
PWRCRD-S-AU	Standard power cord, Australia
PWRCRD-S-EU	Standard power cord, Europe
PWRCRD-S-UK	Standard power cord, United Kingdom
PWRCRD-S-US	Standard power cord, United States

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
3DX-600-3DMOUSE	Enhanced 3D Mouse and Joystick
KBD5000	Keyboard with Jog/Shuttle, Keypad, and Joystick
PMCL622	Full High-Definition LED Monitor, 22"
PMCL624	Full High-Definition LED Monitor, 24"
PMCL632	Full High-Definition LED Monitor, 32"
PMCL643K	4K Ultra-High Definition LED Monitor, 43"
PMCL649K	4K Ultra-High Definition LED Monitor, 49"
PMCL655K	4K Ultra-High Definition LED Monitor, 55"
PMCL665K	4K Ultra-High Definition LED Monitor, 65"

SUPPORT

Learn more and find additional documentation at pelco.com or email support@pelco.com for specific product support.

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