PROMETHEUS™
SECURITY GROUP GLOBAL

| Solutions		Markets		
COMMAND AND CONTROL C2 - IDS - ACS - Video	ZERO TRUST ARCHITECTURE Cyber Secure from Sensor to C2	DOD	DOE	CRITICAL INFRASTRUCTURE

4.3.X SOFTWALL

SAFE | SECURE | CERTIFIED

Product Overview

VICADS® has replaced traditional analog-based CCTV matrices with an intelligent digital video product and brings this to the operator through a solution known as the VICADS® Softwall. Integrated with multiple event input sources such as Command and Control Display Equipment (CCDE), Intelli- gent Transportation Systems (ITS), Intrusion Detection Systems (IDS) or Access Control Systems (ACS) to deliver a real-time automated video switching & display matrix, intelligent video queuing, event priority processing and situational awareness.

VICADS® actively monitors a critical event stream from the integrated platform and displays the video. The Softwall simultaneously delivers live and recorded video, event information and titling. The Softwall is configurable in how the live and recorded imagery is displayed. It can be delivered in a split screen fashion which allows for more simultaneous alarm events per Softwall or it can be delivered in full screen fashion which allows for higher resolution video delivery. VICADS® supports robust business rule parameters such as event priority assessment, automatic vs manual call-up policies, automatic PTZ presets and intelligent queuing logic for simultaneous event scenarios. Each event can be associated with up to four cameras and the display layouts dynamically change to suit the event configuration.
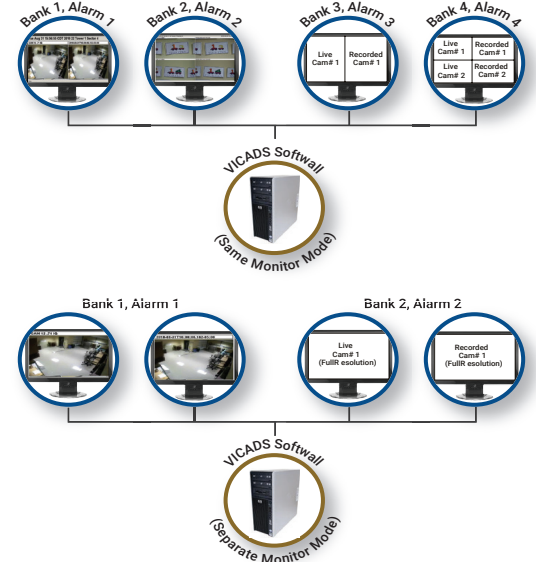
Features	Benefits
Sturdy, Scalable, Serviceable	Designed for high reliability minimal downtime applications, expansion without obsolescence and ease of maintenance.
Redundancy and Regionalization	Fully redundant hardware configurations for mission critical applications. Regional monitoring & mgmt deployment options.
Intelligent Event Integration	Integrated with multiple event input sources such as CCDE, ITS, IDS or ACS to deliver a real-time automated video switching & display matrix, intelligent video queuing, event priority processing and situational awareness.
Intelligent Video Wall	System can be deployed as a smart video wall that allows for administrative command and control with auto-restart and no local operator interface necessary.
Cybersecurity Aware Platform & nformation Assurance Posture	DoD Risk Management Framework (RMF) Compliant

HARDWARE SPECIFICATIONS

SPECIFICATION	DESCRIPTION	NOTES
Operating System	WIN10 Enterprise LTSC	HP Z4 G4
Processor	1: Intel Xeon W-2133, 3.6 GHz	Six Cores w/ Hyper Threading
Graphics	1: Nvidia Quadro P4000, 1st GFX, 8GB Graphics	4 ports, max resolution 5120 x 2880
Memory	2: 16GB DDR4-2666- ECC Reg RAM	32GB total
Storage	1: 480 GB SATA Enterprise SSD Drive	Solid State
Network	2: 1Gb network interface	RJ-45 standard, Fiber NIC options available
Power Supply	1000W, Custom PSU, Wide Ranging Active PFC	90% efficient
Power Consumption	1.75A (210W) @ 120VAC, 60Hz	Per station
Peripherals	6: USB 3.1G1 Type-A (rear) 4: USB 3.1G1 Type-A (front) 2: USB 3.1G2 Type-C, DVD-RW, mouse, keyboard	No Monitors included
Form Factor	Tower, Rack Mount (4-RU if racked)	Workstation rack mount kit required
Warranty	3-year standard, 5-year optional	Limited
Hardware Part Numbers[1]	10-20003-001 22-010001-000 10-50000-000 10-70001-000	VICADS® Softwall Workstation, Tower, Windows 10 Client Workstation Rack Mount Kit Video System Joystick Controller Dual Port 10GbE Fiber Optic NIC (optional)
Software Part Number	10-40002-000	VICADS® Softwall Software & Site License, Version 4

PERFORMANCE SPECIFICATIONS

SPECIFICATION	DESCRIPTION
# of Simultaneous Events	Configuration dependent, maximum of 4 per station
# of Cameras (per event)	Up to 4
# of Simultaneous Video Tiles	Up to 48 per station, 12 permonitor
# of Tours	Unlimited, maximum of 12 on display at each monitor
# Displays, Resolutions	4 @ HDR 4K or HDR 5K
Deployment Options[2]	Integrated as an Intelligent Video Switcher or as an Intelligent Video Wall
Event Modes Supported	Same Monitor: Live and recorded images split screen for up to 4 cameras and 4 events, Separate Monitor: Live and recorded imagespaired both full screen for up to 4 cameras and 2 events, Quad Monitor: Live and recorded images full screen for up to 2 cameras and 1 event, Single Event: Live and recorded images, one event at a time, varied displays, for up to 4 cameras, Manual Control: Live or recorded images for up to 2 cameras + live images from 1 large resolution camera, for up to 4 monitors
Layouts supported	1x1, 2x2, 2x3, 3x2, 3x3, 3x3 + 1 Main, 3x4, 4x3, 1 + 2x2; portrait and landscape modes supported
Supported Encoding Protocols	MJPEG, MPEG2 TS/ES, MPEG4, MPEG 4 part 10 (H.264)
Active Directory Integration	Yes; with Kerberos security for user authentication
Certifications & Approvals	DoD Approved for PL1N and PL1–PL4, DoD RMF compliant

ENVIRONMENTAL SPECIFICATIONS

NOMENCLATURE	TEMPERATURE HUMIDITY[3] & ALTITUDE (NON-OPERATING)	TEMPERATURE & HUMIDITY[3] & ALTITUDE (OPERATING)	ESTIMATE BTU LOAD[4] (PER STATION)
VICADS® Softwall	--40°C to 60°C (-40°F to 140°F) 10-90% (non-condensing) 12,192 m (40,000 ft)	5°C to 35°C (40°F to 95°F) 10-85% (non-condensing)	1850 btu/hr (typical) 3084 btu/hr (maximum)

DIMENSIONAL SPECIFICATIONS

NOMENCLATURE	HEIGHT (H)	WIDTH (W)	DEPTH (D)	CLEARANCE (REAR)[5]	WEIGHT[6]
VICADS® Softwall	15.2”	6.65”	17.5”	4”	17.3 kg (38.2lbs)

[1] Fiber optic network interface option card requires SFP+ fiber optic transceivers sold separately. Please contact the factory for information.

[2] The system can support walls of both types simultaneously, but each wall is either used as an Intelligent Video Switcher or Intelligent Video Wall.

[3] Altitude derating against operating temperature is 1.0°C per 305m (1.8°F per 1000ft). Extended temperatures can be achieved with specific hardware configurations.

[4] Heat dissipation (BTU/hr) data is based on 120VAC power input and is provided as an estimate for reference only.

[5] Clearance is a recommended space budget in addition to machine dimensions to allow for cables & routing.

[6] Weight provided is maximum. Exact weight depends upon configuration

[†] Specifications are subject to change without notice. PSG is not responsible for customer use of this data.