VICADS™

SAFE ■ SECURE ■ RELIABLE

Advanced Video Analytics

PRODUCT OVERVIEW

The Advanced Video Analytics is a server-centric deployment model that consists of the OV6 Object Video service, which is a key asset to the VICADS™ video management system.

ObjectVideo provides technology to enable a more effective and proactive security posture. Dams, seaports, energy plants, laboratories, oil & chemical storage, government buildings, military operations all require the best analytic technology available. In the War on Terror, ObjectVideo software never rests.

ObjectVideo provides ultimate flexibility in its software packaging. Available reference hardware designs within a robust API framework guarantees plug-and-play interoperability with any device or existing environment. Standard packages of robust feature sets are available to meet the demands of every type of customer—from the building manager who needs perimeter protection, to the bank manager who needs a solution tailored to his branch operation, to the airport security team who needs full capability indoors and outdoors.

PRODUCT FEATURES

■ Enables a more effective and proactive security posture

■ Easy rule creation and streamlined integration tools

■ Accurate object detection, classification and tracking

■ Supports high resolution video processing

■ Multiple camera views/ positions defined with their own unique rules

■ Empowers OEMs and solution providers to quickly and easily integrate within their products

■ Successfully solves waterside environmental challenges

BENEFITS

■ All analytic events/ traffic are translated into alarms which are sent by VICADS™ to the annunciator

■ Wide-Area perimeter protection/border coverage

■ Customizable packages including point solutions for targeted functionality

■ Easy upgrade path for any analytics-enabled device is assured

■ High resolution

■ Includes functionality for re-branding existing interfaces, designing and building new GUIs, or integrating with existing user applications

HARDWARE SPECIFICATIONS

SPECIFICATION	DESCRIPTION	NOTES
Operating System	Windows Server 2008 R2 Standard, 32-bit	
RAID Controller	LSI 9260 w/ battery backup unit	RAID 0,1,5,6,10
Storage	2—300GB Enterprise SAS2 10K drive	Configured as RAID 1, 4 hard drive bays
Memory	4—4GB DDR3 1600MHz ECC Registered RAM	8GB total
Processor	1—Intel Xeon E5-2650 V2 2.6 GHz, 8C/16T, 20MB, 95W	Eight Cores
Network	2—GB network interfaces	RJ-45
Power Supply	2—815TQ-R700WB, 700W Power Supply	Hot swappable, redundant
Power Consumption	1.35A (162W) @ 120VAC, 60Hz	Per server
Peripherals	DVD-RW, mouse, keyboard	
Form Factor	1—RU	With lockable front bezel & dust cover
Warranty	3 year limited	With onsite service available
Hardware Part Number	10-31000-000 10-70000-000 10-70000-001	Hardware Only Singlemode Fiber Optic NIC (optional) Multimode Fiber Optic NIC (optional)
Software Part Number	10-30000-001	Analytics Channel License (per camera)

PERFORMANCE SPECIFICATIONS

SPECIFICATION	DESCRIPTION
# of Simultaneous Analytic Channels	32
# of Analytic Rules	Unlimited
# of Users	Unlimited
# of Servers	Unlimited
Analytics Software	Object Video™ OV6 Analytics Service
Input formats supported	MJPEG (Note: a direct show filter for camera inputs is required)
Input Resolution Supported	Up to 4CIF
Integration with CCDE	Provides analytic event traffic to CCDE for annunciation via VICADS™ Server

ENVIRONMENTAL SPECIFICATIONS

NOMENCLATURE	TEMPERATURE & HUMIDITY (NON-OPERATING)	TEMPERATURE & HUMIDITY (OPERATING)	ESTIMATED BTU LOAD* (PER SERVER)
VICADS™ Object Video Server	-40°C to -60°C (-40°F to -140°F) 5–95% (non-condensing)	5°C to 35°C (41°F to 95°F) 8–90% (non-condensing)	726 BTU/hr (typical)

DIMENSIONAL SPECIFICATIONS

NOMENCLATURE**	HEIGHT (H)	WIDTH (W)	DEPTH (D)	CLEARANCE (REAR)***
VICADS™ Object Video Server	1.75"	19"	28.25"	4"

   *   Heat dissipation (BTU/hr) data is based on 120VAC power input and is provided as an estimate for reference only. Open Roads is not responsible for customer use of this data.

  **   Allow an additional 1U Air Gap between each component.

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

Specifications are subject to change without notice.