aselsan

MAS

HIGH PERFORMANCE CENTRAL VIDEO ANALYTICS SYSTEM

REAL TIME VIDEO ANALYSES
ADAPTABLE TO STATE-OF-THE ART ADVANCES
FAST ANALYSIS OF RECORDED STREAMS
SIMULTANEOUS MULTI-CAMERA ANALYSES
ONVIF COMPLIENT METADATA PROCESSING/STREAMING

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General	
Form Factor	4U Rackmountable Tower
Rack Support	Yes
Drive Bays	8x 3.5" hot-swap NVMe/SATA/SAS Support drive bays (10x 2.5" NVMe dedicated) 2 M.2 NVMe OR 2 M.2 SATA3
Power Supply	1U 2200W Titanium Redundant Power Supply W/PMbus Dimension (W x H x L): 76 x 40 x 336 mm Output Type: Gold Finger Connector
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
Relative Humidity Spec.	Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Dimensions (WxDxH)	Height: 18.1" (460 mm) Width: 7" (178 mm) Depth: 26.5" (673 mm)
Weight	Gross Weight: 57 lbs (25.85 kg) Net Weight: 52.9 lbs (24 kg)
Expansion Slots	4 PCIe 4.0 x16 FHFL slot(s) 2 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A IPMI: Support for Intelligent Platform Management Interface v.2.0
Compute System	
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots / Up to 4TB ECC LRDIMM, DDR4-3200MHz
GPU	Supported GPU: NVIDIA A100,A40, and RTX A6000 CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
Firmware / Software	
Operating System	Ubuntu 20.04 Focal Fossa
Supported Languages	Turkish and English
Supported Cameras	120 and more 1080p 25fps cameras (unicast/ multicast)
Video Decode Support	H.264 / H.265
Metadata Support	ONVIF profile-S conformant cameras are supported
Network System and Connections	
LAN	2x 10GbE BaseT with Intel® X550-AT2
Video Outputs	1 VGA port
Remote Management	IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Algorithms	
Smart object detection Color/object type/attribute classification Human/vehicle/face recognition License plate recognition Crowd/density and statistical analytics Flexible alarm scenarios Modern machine learning/video processing approaches Support of recent optimization tools	Real time human and vehicle recogniton Up to x10 faster analyses than real-time 1080p/4K 25 fps (multicast/unicast) H.264/265 streams Multiple analyses at a time

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