

Intelligent Video System

Video Analytics Ready Platform for
Intelligent Surveillance Applications

- ✓ x86 & DSP-based Intelligent Video Systems
- ✓ Intelligent Video Analytics (IVA)
- ✓ Video Capture Card Series
- ✓ Video Switches
- ✓ Industrial Server and Storage



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Management

Virtualization

Storage

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Medical

Campus

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IVS Platform Structure



X86 Platforms

ACP-4000VS

AIMC-3200VS

ARK-R12150L

NVS-300VS

NVS-500VS

Description	Industrial 4U Hybrid Intelligent Video Surveillance System	Compact Size Hybrid Intelligent Video Surveillance System	Compact Size Fanless Intelligent Video System with RFID	Compact Size Intelligent Video Analysis System with PoE Switch	High Performance Video Recorder with PoE Switch
Features	<ul style="list-style-type: none"> Supports up to 32 analog/32 D1 IP/8 megapixel IP cameras with Hybrid structure Modulized SDK ready for CM and AP software integration Default 3TB HDD for 24-ch of recording for 30 Days (4CIF resolution @ 15FPS) Free bundled and optional intelligent video analytic software 	<ul style="list-style-type: none"> Supports up to 8 analog, 8 D1 IP or 4 megapixel IP cameras with hybrid structure Free bundled and optional intelligent video analytic software Free bundled CMS or SDK for 3rd party CMS or AP software integration Supports up to 2 2.5" HDD 	<ul style="list-style-type: none"> All-in-One x86-based intelligent RFID & Video controller with Intel® Core™ i7 Dual Core™ 1.7 GHz processors, flexible I/O, and dual display Free-bundled configurable demo software and SDK with feature-rich protocol for RFID applications Supports Advantech intelligent video surveillance software, PowerView, and multiple intelligent video analytic software Industrial grade device for harsh environment applications 	<ul style="list-style-type: none"> Intel® Celeron® J1900 Quad Core™ 2.0 GHz SoC DDR3L 1333MHz 4GB Supports 1 x Realtek GbE 4 x PoE ports to support IP camera 1 x removable 2.5" SATA HDD bay and 1 x 32G mSATA Supports dual independent displays: VGA and HDMI 4 x dry contact inputs and 2 x relay outputs 1 x serial port (RS-232/422/485) 1 x USB 3.0 and 2 x USB 2.0 	<ul style="list-style-type: none"> Built in high power 802.3at PoE Switch (16/24 ports) 10/100/100Base-T and SFP combo uplink port Supports Intel® 4th Gen Core™ I processor (LGA1150) with - Intel® Q87 chipset Supports two 204-pin SO-DIMM up to 16GB DDR3 1333/1600 SDRAM Supports four 3.5" SATA HDD up to 16TB storage One 2.5" SATA HDD for OS storage Features USB 3.0 & USB 2.0 Supports triple display of HDMI*2/VGA
Model Name	ACP-4000VS	AIMC-3200VS	ARK-R12150L	NVS-300VS	NVS-500VS
Max IP Camera Support	32	8	4	4	16/24
Max. Analog Camera Support	32	8	-	0	0
Max. Resolution Support	D1@480fps / 1080p@160 fps	D1@240fps/1080p@60fps	1080p@60fps	4ch (60FPS@D1)	16ch (240FPS@D1) / 24ch (360FPS@ D1)
Compression Type	H.264				
Max. Number of HDD	3 * 3.5" HDD	2 * 2.5" HDD	64G mSATA	1* 2.5" SATA HDD 1* mSATA (32G included)	4* 3.5" SATA HDD (Up to 16TB) 1* 2.5" SATA HDD (32G SSD included)
CPU	Intel® Core™ i7-3770 (3.4GHz)	Intel® Core™ i5-3550S	Intel® ULV Core™ i7 3517UE	Intel® Celeron® J1900 Quad Core™ 2.0 GHz SoC	Intel® Core™ i7-4770S
Operating System	Windows 7 Embedded				
Display	VGA + DVI Dual Display	VGA + DVI Dual Display	VGA + HDMI/DP Dual Display	VGA + DVI Dual Display	HDMI X 2 +VGA X 1 (Multi-Display)
Dimension (W x H x D)	482 x 177 x 479 mm	232 x 90 x 232 mm	264.5 x 75.1 x 133.0 mm	252 x 184 x 50 mm	430x540x44.5mm
Embedded IVA	Supported				

Intelligent Video Analytics (IVA)



Forbidden Zone
Alarms when intrusions occur in one or more predefined forbidden zones.



Demographics
Apply to retail, finance, and hospitality.
Identify individuals by age and gender.



People Counting
Calculates when people are passing through a certain area by counting faces.



Dwell Time & Loitering
Ensure safe environments for tracking suspicious persons.



Camera Tamper
Trigger alarms when the camera lens are covered, sprayed, defocused, or the camera is repositioned.



Motion Detection
Monitors the amount of motion and alerts when something changes.



Optical Self Diagnostic
Trigger alarms when high noise video, excess/insufficient lighting or video signal losses occur.



License Plate Recognition
Detects and recognizes vehicle license plates upon motion or I/O trigger.



Facial Surveillance & Black List
Scan crowds and automatically identify people by their faces that help match faces in a crowd with names on a watch list.



Object Counting
Counting of individuals and / or vehicles for separate moving objects.



Crowd Detection
Crowd density status of people in a specific region can be detected as over capacity indicator.



Parking Vacancy
Detects if defined parking spaces are occupied or not by scene analysis.

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WebAccess/IVS



Flexible Event Action Plan

- Flexible event action plans including alarm signal, snapshot, email/SMS notification, PTZ control, video record, file, execution and more.
- Event sources include motion/sensor detection, camera signal loss, log status, backup/recording status, system status, etc.



Quick Search for Event Logs

- Quick search for event logs including login status, remote connection status, system events, camera status, motion/sensor detection, and more.
- Users can print out or save the event logs into excel or HTML files.



Multiple Backup Mode

- Backup recorded data to hard disk, CD, DVD, Disk Array and USB without stopping video recording.
- Flexible selection of backup time, camera and storage location.
- Automatically calculate storage space required for backing up recorded data.



Flexible and Diverse Recording Modes

- Supports diverse recording modes and schedules for each individual camera



Powerful IE Browser Monitoring

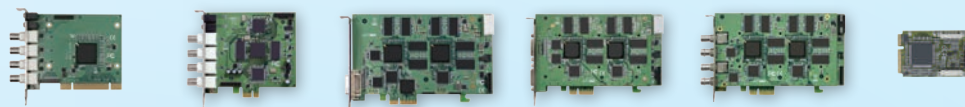
- Monitor historical recorded video data and remote control for live view video, set up, and client system status monitoring through IE browser.



Camera

Description	VIVOTEK Bullet Network Camera IB8369	VIVOTEK Fixed Dome Camera FD8169
Feature	<ul style="list-style-type: none"> • Real-time H.264, MJPEG Compression (Dual Codec) • Built-in IR Illuminators, Effective up to 20 Meters • Built-in MicroSD/SDHC/SDXC card slot for On-board Storage • Supports ONVIF Standard • Weather-proof IP66-rated Housing • 3D Noise Reduction • Smart IR Technology to Avoid Overexposure • WDR Enhancement 	<ul style="list-style-type: none"> • Real-time H.264, MJPEG Compression (Dual Codec) • Built-in IR Illuminators, Effective up to 15 Meters • Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage • Supports ONVIF Standard • 3D Noise Reduction • Smart IR Technology to Avoid Overexposure • WDR Enhancement
Model P/N	96CAM-DIB8369-MA	96CAM-DFD8169-AK
Resolution	2MP / 30 fps @ 1920x1080	2MP / 30 fps @ 1920x1080
Focal Length	3.6 mm	2.8 mm
Field of View	84° (Horizontal) / 68° (Vertical) / 114° (Diagonal)	105° (Horizontal) / 87° (Vertical) / 135° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec	1/5 sec. to 1/32,000 sec
Dimensions	77 mm x 211 mm	128 mm x 98 mm

Video Capture Card Series



Part Number		DVP-7635E	DVP-7637E	DVP-7640E	DVP-7650E	DVP-7630HE	DVP-7031E
Video	Compression	H/W H.264 Main Profile	H/W H.264 Main Profile	H/W H.264 Main Profile	H/W H.264 Main Profile	H/W H.264 Main Profile	SW H.264
	Channels	4	4	8	16	4	4
	Host Interface	PCI	PCIe x1	PCIe x4	PCIe x4	PCIe x4	Mini PCIe
	Input Interface	BNC	BNC	BNC	BNC	SDI	Composite for NTSC/PAL
	Max. Display Resolution	4CIF	4CIF	4CIF	4CIF	1080p	D1
	Max. Recording Resolution	4CIF + CIF	4CIF + CIF	4CIF + CIF	4CIF + CIF	1920 x 1080p + 960 x 540p	D1
	Dual Stream	Yes	Yes	Yes	Yes	Yes	No
Physical Characteristic	Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
	Dimensions	121 x 97 mm	111 x 104 mm	166 x 111 mm	166 x 111 mm	166 x 109 mm	30 x 51 mm

Video Switches



Product Categories		ProView Series Ethernet Switches	Industrial Management Ethernet Switches		Rackmount Switch
Model Name		EKI-5729P/PI	EKI-7710E-2CP/2CPI	EKI-7710G-2CP/2CPI	EKI-7428G-4CPI
Description		8 GE with PoE + 2GE Industry Ethernet PoE Switch	8FE+2G Port Gigabit Managed Industrial PoE+ Switch	8G+2G Port Gigabit Managed Industrial PoE+ Switch	24G + 4G Port Gigabit Managed Industrial 1U Rackmount Switch
Interface	Total Port Number	8	10	10	28
	10/100Base-T(X)	-	8	-	-
	10/100/1000Base-T(X)	2	-	8	24
	Max. 1000Mbps Combo	-	2	2	-
	1000Mbps SFP	-	-	-	4
	PoE(10/100Mbps)	-	-	-	-
	PoE(10/100/1000Mbps)	8	-	-	24
Mechanism	Housing Dimensions (WxHxD) mm	74 x 152 x 105 mm	74 x 152 x 105 mm	74 x 152 x 105 mm	438 x 43.6 x 259.20 mm
Environment	Operating Temperature	-40 to 75° C (-40 to 167°F) (EKI-5729PI) -25 to 60° C (-4 to 140°F) (EKI-5729P)	-40 to 75° C (-40 to 167°F) (EKI-7710E-2CPI) -10 ~ 60°C (14 ~ 140°F) (EKI-7710E-2CP)	-40 to 75° C (-40 to 167°F) (EKI-7710G-2CPI) -10 ~ 60°C(14 ~ 140°F) (EKI-7710G-2CP)	-40 to 75° C (-40 to 167°F)

Industrial Storage



Product Categories		Disk Expansion Enclosure	Storage Server		External Disk Array				
Model Name		ASR-1400	ASR-3272	ASR-3472	Model Name	ASR-5200E	ASR-5300I		
System	Form Factor	4U 24-Bay	2U 12-Bay	4U 24-Bay	System	Form Factor	2U 12-Bay (LFF) / 24-bay(SFF)	3U 16-Bay (LFF)	
	Number of Drives	24-Bays (2.5"/3.5")	12-Bay (3.5"/2.5")	24-Bay (3.5"/2.5")		Configuration	Dual Controller	Single Controller	
	Drive Type	SATA/SAS 6Gb/s or 3Gb/s	SATA/SAS 6Gb/s or 3Gb/s	SATA/SAS 6Gb/s or 3Gb/s		Number of Drives	12-Bay (3.5") / 24-Bay (2.5")	16-Bay (3.5")	
	CPU Type	-	LGA 1155 Xeon® 1200V2 or 3rd Generation Core™ i3 processor	LGA 1155 Xeon® 1200V2 or 3rd Generation Core™ i3 processor		Drive Type	6Gb/s SAS	6 Gb/s SAS, 6 Gb/s SATA	
	Chipset	-	Intel® C216 Chipset	Intel® C216 Chipset		Cache Memory	Default 8GB	Default 2 GB, up to 16 GB	
	Memory Type	-	4 x 240 pin DDR3 up to 32 GB	4 x 240 pin DDR3 up to 32 GB		Max Drives	120 x 3.5" drives / 240 x 2.5" drives	160 x 3.5" drives	
	Storage Expansion	2 x 6Gb/s SAS 4x wide ports	Yes (only for E SKU)	-		Default Host	4 x 1Gb/s iSCSI RJ45 port 6 x 6Gb/s SAS wide-port	4 x 1Gb/s iSCSI RJ45 Port	
	RAID Level	-	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10, 50, 60		Optional Host	8 x 8Gb/s FC SFP port 4 x 10Gb/s iSCSI SFP+ port 8 x 1Gb/s iSCSI RJ45 port	-	
	Smart Fan Control	Yes (smart fan control for both CPU & sys fan)	Yes (smart fan control for both CPU & sys fan)	Yes (smart fan control for both CPU & sys fan)		RAID Level	0, 1, 5, 6, 10	0, 1, 3, 5, 6, 10, 30, 50, 60	
Expansion Slot	PCIe x16 slot with x8 link	-	1	1	Data Service	Notification	Email, SNMP traps	Email, Fax, LAN broadcast, SNMP traps, SMS, Skype	
	PCIe x4 slot	-	2	2		Advanced Functions	Thin Provisioning	Thin Provisioning	Snapshot (64 images per source volume, max 128 per system)
	PCI	-	3	3		FlashCopy (Default 64 Targets)	-	Volume copy/ mirror (16 source volume x 4 replication pairs, max 64 per system)	
Ethernet	Gigabit Ethernet	-	4	4		Optional Features	Easy Tier, FlashCopy upgrade (up to 2040 Targets), Remote Mirror	-	
I/O	Back Panel I/O Port	-	1 PS/2 Keyboard/Mouse, 1 VGA Port, 1 COM RS-232 Port, 2 USB 2.0 Ports, 2 USB 3.0 Ports, 4 LAN RJ45 Port	1 PS/2 Keyboard/Mouse, 1 VGA Port, 1 COM RS-232 Port, 2 USB 2.0 Ports, 2 USB 3.0 Ports, 4 LAN RJ45 Port		Dimension	556 x 483 x 87 mm	500 x 448 x 130 mm	
	Dimension	699 x 432 x 176 mm	699 x 432 x 88 mm	699 x 432 x 176 mm		Weight	18 kg / 39.68lbs (without hard drives)	21.66kg / 47.75lbs (without hard drives)	
Mechanical	Weight	41 kg (without hard drives)	19 kg (without hard drivers)	42 kg (without hard drivers)		Mechanical	Weight	21.66kg / 47.75lbs (without hard drives)	

Video Wall Controllers



Model Name		AVS-290	AVS-540	AVS-542	AVS-543	AVS-840	AVS-860
Processor	Chipset	Intel® C206	Intel® C602J	Intel® C602J	Intel® C602J	Intel® C216	Intel® C216
	CPU	Intel® LGA1155 Xeon® E3-1200 / Core™ i3-2120 / Pentium G850 Single processor	Intel® LGA2011 Xeon® E5-2600 Single processor (up to 95W TDP)	Intel® LGA2011 Xeon® E5-2600 Single processor (up to 95W TDP)	Intel® LGA2011 Xeon® E5-2600Single processor (up to 95W TDP)	Intel® LGA1155 Xeon® E3-1200V2 Single processor (up to 95W TDP)	Intel® LGA1155 Xeon® E3-1200V2 Single processor (up to 95W TDP)
	Memory	DDR3 ECC/Non-ECC 1066/1333 MHz up to 32GB	DDR3 ECC & Register or ECC or non ECC 1600/1333/1066 MHz up to 96 GB	DDR3 ECC & Register or ECC or non ECC 1600/1333/1066 MHz up to 96 GB	DDR3 ECC & Register or ECC or non ECC 1600/1333/1066 MHz up to 96 GB	DDR3 ECC or non ECC 1600/1333/1066 MHz up to 16 GB	DDR3 ECC or non ECC 1600/1333/1066 MHz up to 16 GB
Maximum Output/	Output	8 Analog/Digital	20 Analog/Digital	20 Analog/Digital	20 Analog/Digital	40 Analog/Digital	40 Analog/Digital
	Input	8 Analog/Digital	20 Digital	15 Analog/Digital or 40 Analog	20 Digital	40 Analog/Digital	40 Analog/Digital
Drive Bay	5.25" (front-accessible)	1	3	-	-	3	4
	3.5" (hot-swappable)	2	-	-	4	-	-
	3.5" (internal)	1	1	2	-	2	2
	2.5" (internal)	-	-	1	1	-	-
	Slim ODD Bay	-	-	1 (ODD should be purchased separately)	1 (ODD should be purchased separately)	-	-
Ethernet	Controller	LAN1: Intel® 82579LM; LAN2: Intel® 82574L; LAN3/4: Intel® 82580DB	Intel® 82579LM + Intel® I210	Intel® 82579LM + Intel® I210	Intel® 82579LM + Intel® I210	Intel® 82579LM + Intel® 82574L	Intel® 82579LM + Intel® 82574L
Front I/O Interface	USB	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0
Rear I/O Interface	USB	4 x USB2.0	4 x USB2.0, 2 x USB 3.0	4 x USB2.0, 2 x USB 3.0	4 x USB2.0, 2 x USB 3.0	1 x USB 3.0	1 x USB 3.0
	RJ-45	4	3 (1 is dedicated for IPMI)	3 (1 is dedicated for IPMI)	3 (1 is dedicated for IPMI)	2	2
Power Supply	Power Output Wattage	80+ Bronze 400W Single Power Supply	80+ Bronze 700W Single Power Supply	80+ Bronze 700W Single Power Supply	80+ Bronze 750W Redundant Power Supply	810W 3+1 Redundant Power Supply (Front-accessible)	80+ Bronze 750W Redundant Power Supply
Physical Characteristics	Dimension	200 x 320 x 480 mm (7.9" x 12.6" x 18.9")	482 x 177 x 479 mm (19" x 7" x 18.9")	482 x 177 x 348 mm (19" x 7.0" x 13.7")	482 x 177 x 478 mm (19" x 7.0" x 18.8")	482 x 177 x 657 mm (19" x 7" x 26")	482 x 266 x 464 mm (19" x 10.5" x 18.3")

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