Datasheet | Alta Video | Workstation Cloud Connectors | Up to 75 cameras

Avigilon Alta Workstation Cloud Connectors

Friction-free transition to cloud



The Avigilon Alta Workstation Cloud Connectors enable easy integration of third-party devices with Avigilon Alta Video, allowing for a seamless transition to the cloud while leveraging your existing camera deployment and connecting sensors for additional insights. With Cloud Connectors, organizations can leverage the same real-time anomaly detection, proactive notifications and smart search capabilities across your entire deployment of cameras, regardless of their manufacturer. Tap into the simplicity and flexibility of Alta's intelligent video surveillance solutions to proactively safeguard your people, property, and data.

Seamless cloud transition

Forget rip-and-replace. Connect and manage your existing third-party cameras and sensors in the cloud.

One interface, all your sites

Connect devices across all your sites and manage your deployment from anywhere through a browser or a mobile app.

Same analytics as our cloud-native cameras

Make your cameras smarter with scalable and advanced real-time AI. Help improve security and response with fast detections and powerful alerts.

Resilience and failover

Create server groups with multiple Cloud Connectors to minimize downtime and prevent data loss if a device goes offline.

Local display

Get local access for low-bandwidth video displays and resiliency to network and service outages.
(Excluding A1100)

Enhanced security

Minimize cyber risks and protect sensitive data with disk encryption and a dedicated Trusted Platform Module.

To learn more, visit avigilon.com/video-infrastructure/cloud-connector

MOTOROLA SOLUTIONS

Compliant with NDAA 2019 Section 889

Cloud Connector specifications

	A200	A600	A800	A1100
				
Description:	The A200 Cloud Connector is a small form-factor, workstation appliance, suitable for the smallest deployments or remote sites in distributed deployments.	The A600 Cloud Connector is a workstation appliance, suitable for small deployments or remote sites in distributed deployments.	The A800 Cloud Connector is a workstation appliance, suitable for the smaller deployments or remote sites in distributed deployments.	The A1100 Cloud Connector is a workstation appliance, suitable for small-to-medium deployments or remote sites in distributed deployments.
Number of camera sources supported:[1]	10 camera sources	25 camera sources	50 camera sources	75 camera sources
Number of consecutive playback sessions:	20	50	100	150
Video storage:	Up to 8TB (raw)	Up to 24TB (raw), 16TB (net)	Up to 48TB (raw), 32TB (net)	Up to 64TB (raw), 48TB (net)
Local display:	Local display enables video views from Alta Video deployments to be sent to a monitor connected to the on-board video connections on Alta A200, A600, and A800 Cloud Connectors.	Local display enables video views from Alta Video deployments to be sent to a monitor connected to the on-board video connections on Alta A200, A600, and A800 Cloud Connectors.	Local display enables video views from Alta Video deployments to be sent to a monitor connected to the on-board video connections on Alta A200, A600, and A800 Cloud Connectors.	Local display is not available from Alta A1100 Cloud Connectors.

[1] A license is required for each connected camera.

Component specifications

	A200	A600	A800	A1100
Processor:	Intel Core i3-12100	Intel Core i3 14100	Intel Core i5 14500	Intel Xeon W3-2423
GPU:	Nvidia RTX A400	Nvidia RTX 4060	Nvidia RTX 4060	Nvidia RTX A2000
RAM:	16GB (2x8GB) DDR4 Non-ECC Memory	16GB: 2 x 8 GB, DDR5, 4400 MT/s, non-ECC	32GB: 2 x 16 GB, DDR5, 4400 MT/s, non-ECC	32GB, 2x16GB, DDR5, 4800MHz, RDIMM ECC Memory
Network interface:	1Gb Base-T (2x 1Gb Base-T on APP-200-8-DG)	2.5Gb BaseT + 1Gb BaseT	2.5Gb BaseT + 1Gb BaseT	10Gb BaseT + 1Gb BaseT
SSD (system drive):	M.2 2230 256GB PCIe NVMe Class 35	M.2, 256 GB, PCIe NVMe, SSD, Class 35	M.2, 256 GB, PCIe NVMe, SSD, Class 35	M.2, 256 GB, PCIe NVMe, SSD, Class 35
HDD (Video storage):	1x 4TB or 1x 8TB Surveillance-grade SATA Drive	3x 4TB (8TB net) or 3x 8TB (16TB net) Surveillance-grade SATA Drives	3x 12TB (32TB net) Surveillance-grade SATA drives	4x 8TB (24TB net) or 4x 16TB (48TB net) Surveillance-grade SATA drives
HDD resiliency:	None	Avigilon Alta adaptive block-level erasure coding, allowing 1 disk failure	Avigilon Alta adaptive block-level erasure coding, allowing 1 disk failure	Avigilon Alta adaptive block-level erasure coding, allowing 1 disk failure
Operating system:	Avigilon Alta Linux-based hardened OS	Avigilon Alta Linux-based hardened OS	Avigilon Alta Linux-based hardened OS	Avigilon Alta Linux-based hardened OS

Electrical specifications

	A200	A600	A800	A1100
Input:	90VAC-264VAC 4.2A (Max)	90VAC-264VAC 7A (Max)		90VAC-264VAC 10A (Max)
Power supply:	300W internal	500W internal		750W internal
Power usage (at 80% load):	110W	278W		402W

Environmental specifications

TEMPERATURE	A200	A600	A800	A1100
Storage	-40°F to 149°F (-40°C to 65°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Operating	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)

RELATIVE HUMIDITY	A200	A600	A800	A1100
Storage:	5% to 95% (non-condensing, Max dew point temperature = 33°C)	5% to 95% (non-condensing, Max dew point temperature = 33°C)	5% to 95% (non-condensing, Max dew point temperature = 33°C)	5% to 95% (non-condensing, Max dew point temperature = 33°C)
Operating:	20% to 80% (non-condensing, Max dew point temperature = 26°C)	20% to 85% (non-condensing), Max dew point temperature = 26°C)	20% to 85% (non-condensing), Max dew point temperature = 26°C)	20% to 80% (non-condensing, Max dew point temperature = 26°C)

VIBRATION	A200	A600	A800	A1100
Storage	1.37 G_{rms} random at 5 Hz to 350 Hz	2.0 G_{rms} random at 5 Hz-500 Hz	2.0 G_{rms} random at 5 Hz-500 Hz	2.0 G_{rms} random at 5 Hz to 350 Hz
Operating	0.26 G_{rms} random at 5 Hz to 350 Hz	0.52 G_{rms} random at 5 Hz to 350 Hz	0.52 G_{rms} random at 5 Hz to 350 Hz	0.52 G_{rms} random at 5 Hz to 350 Hz

MAX. SHOCK PULSE	A200	A600	A800	A1100
Storage	105G half-sine pulse (2ms)	105G half-sine pulse (2.5ms)	105G half-sine pulse (2.5ms)	105G half-sine pulse with a change in velocity of 105G (2.5ms)
Operating	40G Bottom/Right half-sine pulse (2ms)	40G Bottom half-sine pulse (2.5ms)	40G Bottom half-sine pulse (2.5ms)	40G Bottom half-sine pulse with a change in velocity of 40G (2.5ms)

Warranty

	A200	A600	A800	A1100
Software support:	Avigilon Alta Technical Support	Avigilon Alta Technical Support	Avigilon Alta Technical Support	Avigilon Alta Technical Support
Cloud Connector[1]	Five year Warranty, with next day OEM support on-site	Five year Warranty, with next day OEM support on-site	Five year Warranty, with next day OEM support on-site	Five year Warranty, with next day OEM support on-site
HDD:	RMA via Partner or Avigilon Alta Technical Support	RMA via Partner or Avigilon Alta Technical Support	RMA via Partner or Avigilon Alta Technical Support	RMA via Partner or Avigilon Alta Technical Support

[1] Including SSD, but excluding HDD.

Analytics specifications

DETECTED ATTRIBUTES	
Object Attributes	Any object (Vehicle and person)
	Vehicle Sub-types: • Small/Medium Vehicles (sedan, SUV, pickup truck, etc.) • Large Vehicles (bus, truck) • Two-wheeled Vehicles (bicycle, motorcycle) • Unclassified Vehicles Vehicle color: • Only this color • Ignore this color License plate[1]: • Any plate • Exact match • Matches group • Starts with • Ends with • Includes • Exclude <groups>

	Person:
	• Fall detection (Search only)
	• Accessories:
	  • With/Without bag
	• Clothing color:
	  • Only this color
	  • Ignore this color
	  • Upper body clothing color
	  • Lower body clothing color
	Face:[2]
	• All faces
	• Select watchlists

[1] Requires additional license.

[2] Requires additional license. Check national and local legislation for guidance on the use of face search and face watchlists.

SUPPORTED ANALYTIC RULES	
Access Control[4]	When integrated with suitable access control systems, create rules for access events.

SUPPORTED ANALYTIC RULES	
Anomaly	Rule triggered on detected anomalies based on: • Unusual time of day • Unusual location • Unusual velocity

Appearance	Any object
	Vehicle:
	• Type
	• Color
	• License plate[5]:
	  • Any plate
	  • Exact match
	  • Matches groups
	  • Starts with
	  • Ends with
	  • Includes
	• Use an image
	Person:
	• Accessories: With/without Bag
	• Clothing color
	• Use an image
	Face[6]:
	• All faces
	• Select watchlists

Counts	Rule triggered when the count of objects of the selected type either exceeds or is less than the selected threshold.

SUPPORTED ANALYTIC RULES	

Line crossing	Crossing a virtual line set up for:
	Vehicle:
	• Type
	• Color
	• License plate:
	  • Any plate
	  • Exact match
	  • Matches groups
	  • Starts with
	  • Ends with
	  • Includes
	• Use an image
	Person:
	• Accessories: With/without Bag
	• Clothing color
	• Use an image
	Face:
	• All faces
	• Select watchlists

Loitering	Rule triggered when an object of the selected type and attributes loiters in the selected area for the selected period of time.
Point-of-sale[7]	Search/rule set up based on text field and price.
Sound	Rule triggered when sounds of specified types are detected.

System (Camera issues)	• Any camera
	  • Camera connection failure (timeout after minutes)
	  • Unmet retention period (days)
	• Alta camera
	  • SD card failure
	  • Analytics failure
	  • Camera top cover removed
	  • Camera in recovery mode
	  • Camera not storing
	  • Image health

SUPPORTED ANALYTIC RULES	

System (System issues)	• Internal appliance issues:
	  • Cloud Connector connection issues
	  • Software issues
	  • Disk failures
	  • Disk missing
	  • Disk space
	  • Audi log storage limit (%)
	• External connection issues:
	  • Cloud connection
	  • Access control connection

[4] License not required for Alta Access integration

[5] Requires additional license.

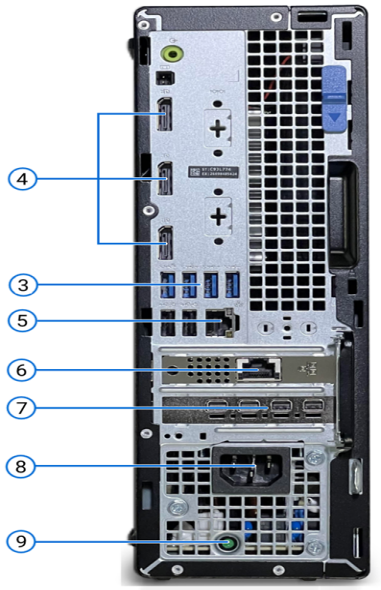
[6] Requires additional license. Check national and local legislation for guidance on the use of face search and face watchlists.

[7, 8] Requires additional license and integration.

Buttons and connections

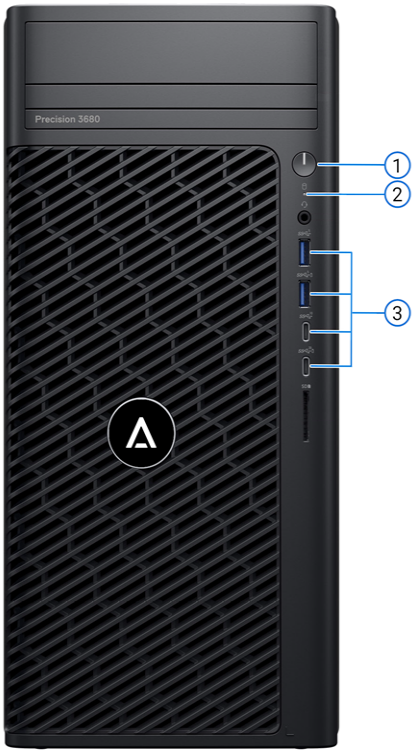
A200 buttons and connections

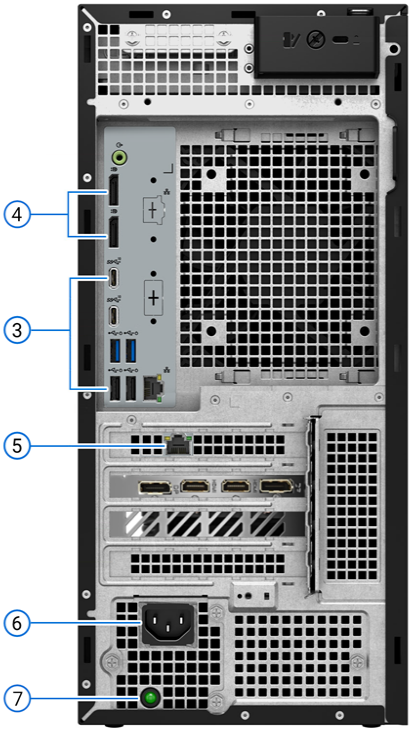




KEY	DESCRIPTION
1	Power button with diagnostic LED
2	Hard drive activity indicator
3	USB Ports
4	DisplayPort (used for Local display) connectors
5	Onboard 1Gb Base-T Network Interface Card
6	1Gb Base-T Network Interface Card (APP-200-8-DG only)
7	GPU
8	Power connector
9	LED power indicator

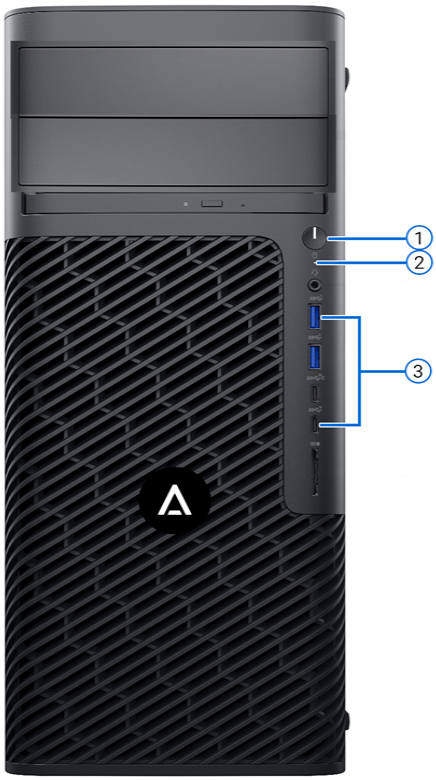
A600/A800 buttons and connections

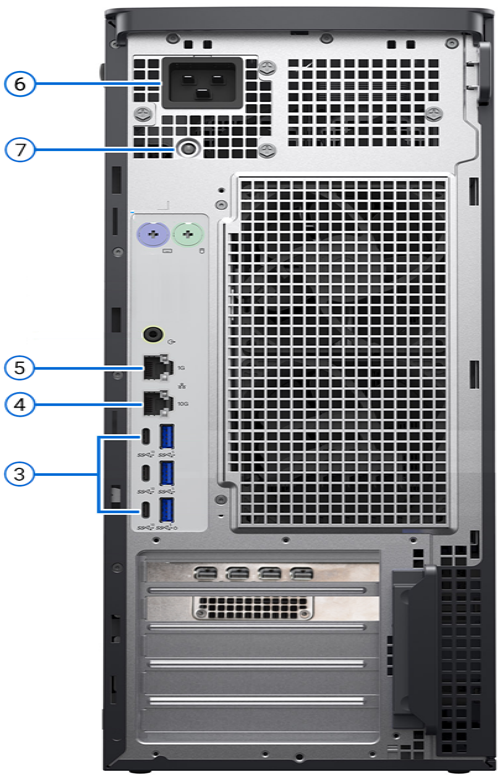




KEY	DESCRIPTION
1	Power button with diagnostic LED
2	Hard drive activity indicator
3	USB Ports
4	DisplayPort (used for Local display) connectors
5	Dual 1Gb Base-T Network Interface Card
6	Power connector
7	LED power indicator

A1100 buttons and connections





KEY	DESCRIPTION
1	Power button with diagnostic LED

KEY	DESCRIPTION
2	Hard drive activity indicator
3	USB Ports
4	1Gb Base-T Network Interface Card connector
5	10Gb Base-T Network Interface Card connector
6	Power connector
7	LED power indicator

Outline Dimensions

A200 DIMENSIONS	
Height	11.42 in. (290.00 mm)
Width	3.65 in. (92.60 mm)
Depth	11.53 in. (292.80 mm)
Weight	Maximum: 12.42 lb (5.63 kg)

A600 AND A800 DIMENSIONS	
Height	14.68 in. (372.90 mm)
Width	6.81 in. (173.00 mm)
Depth	16.54 in. (420.20 mm)
Weight	Maximum - 35.38 lb (16.05 kg)

A1100 DIMENSIONS	
Height	16.29 in. (414 mm) 16.45 in. (417.90 mm) with rubber foot protruding
Width	6.79 in. (172.60 mm)
Depth	16.90 in. (429.60 mm) 17.79 in. (452.10 mm) with lock structure protruding
Weight	Maximum: 47.80 lbs. (21.70 kg)

Ordering Information

PRODUCT NAME	PID	PRODUCT DESCRIPTION
A200	APP-200-4-SG	A200 with 4TB total storage and 1Gb Base-T network connection. Support for up to 10 camera sources, Nvidia A400 RTX GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A200	APP-200-8-DG	A200 with 8TB storage and dual 1Gb Base-T network connections. Support for up to 10 camera sources, Nvidia A400 RTX GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A600	APP-600-8-DG	A600 with 8TB net storage and dual 1Gb Base-T network connection. Support for up to 25 camera sources, 3 hard drives, Nvidia RTX 4060 GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A600	APP-600-16-DG	A600 with 16TB net storage and dual 1Gb Base-T network connection. Support for up to 25 camera sources, 3 hard drives, Nvidia RTX 4060 GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A800	APP-800-32-DG	A800 with 32TB net storage and 2.5Gb Base-T and 1Gb Base-T network connections. Support for up to 50 camera sources, 3 hard drives, Nvidia GeForce GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A1100	APP-1100-24-BT	A1100 with 24TB net storage and single 10Gb Base-T and single 1Gb Base-T network connections. Support for up to 75 camera sources, 4 hard drives, Nvidia ADA 2000 GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.
A1100	APP-1100-48-BT	A1100 with 48TB net storage and single 10Gb Base-T and single 1Gb Base-T network connections. Support for up to 75 camera sources, 4 hard drives, Nvidia ADA 2000 GPU, with Alta Aware VMS, standard support, 5-year warranty and power cables included.

Optional Mounting Adapters

PRODUCT NAME	PID	PRODUCT DESCRIPTION
Rack	APP-RCK-1100	Mounting rack for A1100 with rail bracket and ready rails, including one C13-C14 power cable.

Cables and replacement drives

PRODUCT NAME	PID	PRODUCT DESCRIPTION
Power cables	AACC-PWC-UKS	Single UK power cable.
Power cables	AACC-PWC-USS	Single US power cable.
Power cables	AACC-PWC-EUS	Single EU power cable.
Power cables	AACC-PWC-IECS	Single IEC C13-C14 power cable.
Replacement drives	AACC-DRV-04TB	Replacement Drive 4TB.
Replacement drives	AACC-DRV-08TB	Replacement Drive 8TB.
Replacement drives	AACC-DRV-12TB	Replacement Drive 12TB.
Replacement drives	AACC-DRV-16TB	Replacement Drive 16TB.

Support

For product support, visit avigilon.com/support.

To learn more, visit: **avigilon.com/video-infrastructure/cloud-connector**. For customer documentation, visit **docs.avigilon.com/bundle/alta-video/page/Products/Cloudconnectors.htm**.

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