



Commercial Stream Video Recorder (ADC-CSVR2016P) - Data Sheet



Overview

Alarm.com Commercial Video is a powerful, easy-to-use solution for commercial properties that integrates with the Alarm.com for Business platform. As part of the platform, recorded video is automatically tagged with important events, like a door being accessed or an alarm activation. This allows you to quickly jump to footage of the event using the Alarm.com mobile app or website—anytime, anywhere.

The CSVR2016P Pro Series Commercial SVR is a cloud-managed storage solution for 24/7 local video recording. Continuously record up to 16 camera streams at up to 4MP resolution when using Alarm.com Pro Series cameras. The CSVR2016P offers a built-in 16-port PoE switch to power and connect Alarm.com PoE cameras.

Note: The Alarm.com Pro Series CSVR is compliant with Section 889 of the NDAA and is not produced by any entity identified on the FCC's Covered List.

Features

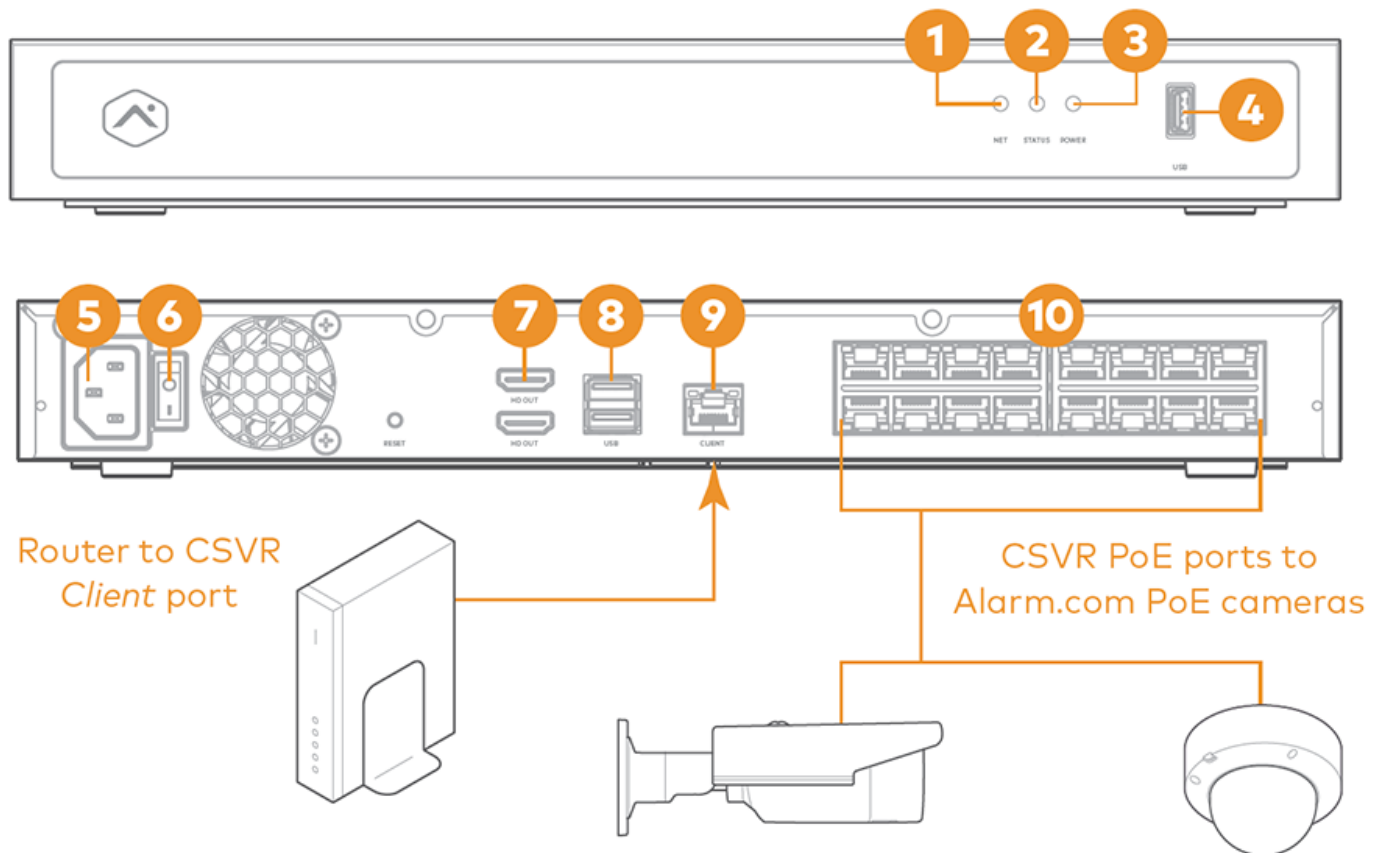
- Simplified networking with dedicated camera PoE ports
- Local storage on one or two hard drives

- CSVR units are shipped with WD Purple hard drives, SATA 6 Gb/s (WD64PURZ)
- Rack-compatible (1U) industrial design
- Outputs for up to 2 4K monitors
- USB 3.0 outputs for fast video clip export

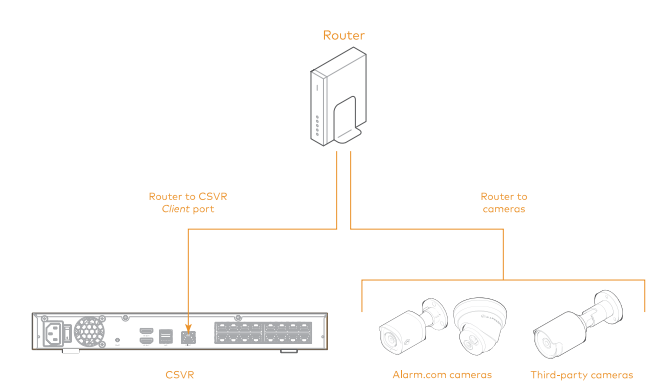
Included accessories

- AC power adapter
- Ethernet cable
- Rack mount ears

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|---------------|----------------|--------------------|
| 1 Network LED | 5 Power input | 9 Client RJ45 port |
| 2 Status LED | 6 Power switch | 10 RJ45 PoE ports |
| 3 Power LED | 7 HD Out ports | |
| 4 USB port | 8 USB ports | |



Example diagram of cameras upstream from CSVR



Specifications

- Video input
- Local display capabilities
- Local display output
- Local clip export

16 channels, 100 Mbps total
Live View, Playback, Clip Export, Archive Export
2x HD Out, up to 3840 x 2160
1x USB 3.0 (front), 2x USB 3.0 (rear)

Recommended Alarm.com PoE cameras

- ADC-VC7398PA
- ADC-VC8498PA
- ADC-VC8498P
- ADC-VC8295P
- ADC-VC725
- ADC-VC726
- ADC-VC736
- ADC-VC825
- ADC-VC826
- ADC-VC836
- ADC-VC727P
- ADC-VC729P
- ADC-VC827P
- ADC-VC728PF
- ADC-VC838PF
- ADC-VC847PF
- ADC-VDB755P

Other supported cameras	ADC-VS123/NV432-V2 HD Video Server Third-party PoE cameras (ONVIF S & VAPIX) Note: For a full list of compatibility requirements for Third-Party cameras, see Which third-party cameras are compatible?. Indoor cameras connected via Ethernet: • ADC-V521IR • ADC-V522IR • ADC-V523/523X • ADC-V530 • ADC-V622 Indoor/Outdoor cameras connected via Wi-Fi: • ADC-V515 • ADC-V516 • ADC-V521IR • ADC-V522IR • ADC-V523/523X • ADC-V530 • ADC-V721W • ADC-V722W • ADC-V723/723X • ADC-V724/724X • ADC-V729/V729AC • ADC-V730 Note: For best results, please connect the Wi-Fi cameras to the Smart Gateway (ADC-SG130) downstream from the SVR, or a high-performance Wi-Fi Access point upstream from the CSV.
Ethernet connectivity	1x Client RJ45 10/100/1000 Mbps, 16x Camera PoE 802.3af RJ45 10/100 Mbps
Internal storage	Up to 2x 3.5" HDD, SATA 6 Gb/s, *16TB each *Larger capacity drives may operate without conflict but have not been tested/verified
Dimensions (WxDxH)	14.4 x 12.5 x 1.9" (36.6 x 31.6 x 4.8 cm)

Operating temperature	32 °F - 104 °F (0 °C - 40 °C)
PoE Power Budget	200 W
Max power consumption	280 W
Max weight	9.0 lbs (4.1 kg)
Compliance	FCC Class A, IC, CE, UL Listed
Requirements	Power: Standard electrical outlet Network: Ethernet connection to broadband Internet Peripherals (required to interact with a local display): USB mouse and keyboard

What DHCP range do Alarm.com Stream Video Recorders use?

The ADC-SVR210, ADC-CSVR20XXP Pro Series, and ADC-CSVR21XXP Pro Series devices automatically create their own DHCP assignment range as shown in the table below. Devices that are connected downstream from the Stream Video Recorder will be automatically assigned an IP address within that network (e.g., 192.168.51.X for the ADC-CSVR2000P).

Note: The ADC-SVR100, ADC-SVR122, and ADC-CSVR126 do not create their own DHCP range for device management.

Stream Video Recorder model	DHCP range
ADC-CSVR2000P	192.168.51.X
ADC-CSVR2008P, ADC-CSVR2016P	192.168.50.X
ADC-CSVR2108P, ADC-CSVR2116P	192.168.50.X
ADC-SVR210	192.168.50.X

Important: Alarm.com Stream Video Recorders have a fixed DHCP range. If a network router is connected upstream from the SVR (i.e., connected to the *Client* port on Pro Series CSVRs and the *WAN* port on the ADC-SVR210) and is using the same DHCP range as the SVR, it may cause inconsistent recording performance due to both devices attempting to assign conflicting IP addresses. For assistance with configuring a network router's DHCP range, refer to the customer's IT manager, internet service provider, or the router's manufacturer.

Additional resources

For an interactive calculator to help estimate SVR storage time, see [How much video can be stored on Alarm.com SVRs?](#).