

A&E SPECIFICATIONS

PoE NVR CLOUD-MANAGED APPLIANCE

SECTION 1 GENERAL

1.1 DOCUMENT SUMMARY

- A. This document specifies the minimum criteria for the design and performance of the PoE NVR Cloud-Managed Appliance.

1.2 SYSTEM DESCRIPTION

- A. The Cloud-Managed Appliance shall offer the latest in digital recording technology, product reliability, security, ease of use, and customer support structure. Model availability up to 16 channel configurations with a system wide recording rate up to 100Mbps.

1.3 OPERATING SPECIFICATIONS

- A. Environmental Conditions: The Appliance shall be designed to operate under the following environmental specifications:
 - 1. Operating Temperature: 40°F to 104°F (5°C to 40°C) non-condensing.
- B. Power Requirements: Components shall have the following electrical specifications:
 - 1. Power Requirement: 115 – 230 VAC
- C. Product Label Requirements:
 - 1. The cloud-managed appliance shall have the exact model number clearly labeled on the product and outside of the box.
- D. Dimensions (H x W x D): 1.7" x 17.25" x 13.5" (348 x 44 x 343)
- E. Weight: 24 lb

1.4 WARRANTY & CUSTOMER SERVICE

- A. The cloud-managed appliance shall come with a minimum 3 year manufacturer's warranty with the 1st year including advance replacement service.
- B. The cloud-managed appliance shall come with a customer service support structure, including a 1-800 number for technical service, pre and post sales assistance, and full access to online technical support as well as online sales support.

- C. Technical support shall be available for 24 hours per day 7 days per week to all integrators and dealers free of charge.

SECTION 2 PRODUCT INFORMATION

2.1 OPERATIONAL REQUIREMENTS

- A. CLOUD-MANAGED APPLIANCE – The cloud-managed appliance shall include, as a minimum, the following features/functions/specifications. The cloud-managed appliance shall:
1. Be fully assembled in the U.S.A
 2. Include an Intel Celeron quad-core processor.
 3. Include 4 Gigabytes of system memory
 4. Include dual 10/100/1000 Network Interface connections.
 5. Be optimized and support the Linux Operating System.
 6. Provide recording support for high resolution Megapixel IP video, selectable by user, on all video channels.
 7. The NVR shall include remote capabilities including remote for Windows, multi-site management software and mobile applications for Apple and Android devices.
 8. Include the ability to unlock additional IP camera licenses offering up to a combined total of 16 IP cameras per NVR with a maximum recording throughput of 100Mbps.
 9. Support static IP and DHCP IP addressing through configurable TCP/IP settings.
 10. Include DDNS (Dynamic Domain Name System) for free for the life of the product. DDNS shall allow the operator to use a URL address instead of a static IP address.
 11. Be capable of recording up to 30 IPS on a single channel in an environment where all channels are being utilized. The operator shall have the ability to assign each channel a specific recording rate varying from 1 to 30 IPS.
 12. Be able to assign each channel a different recording resolution and frame rate based on the network video device capabilities.
 13. Allow the user to adjust the resolution, quality, motion sensitivity, and number of images per second each camera will record. These adjustments shall be configurable based on the network video device capabilities.
 14. The NVR shall come standard with an mSATA Solid State Drives (SSD).
 15. The mSATA SSD shall be exclusively dedicated to the Operating System. No Video will be allocated to the SSD for the purposes of video storage and archiving.
 16. Offer the following on-board hard drive capacity options with internally installed, 6.0 Gbps, large capacity HDD (6 Terabyte drives) support:
 - a. 4.0 Terabytes
 - b. 6.0 Terabytes
 - c. 8.0 Terabytes
 - d. 12.0 Terabytes

17. Only use high performance AV (Audio/Video Surveillance) rated hard drives engineered for reliability and 24x7 “always on” environments.
18. Be housed in a compact form factor chassis.
19. Provide internal cooling through two 40mm side-mounted fans.
20. Provide an internal PoE+ Switch capable of supplying up to 150W load at 25W per port.
21. Provide a full auto-switching power supply rated at 290W
22. Support up to 1080P maximum display resolution
23. Have the ability to easily backup important video to an external cloud-managed location, or a USB device. The recorder must not stop recording during the backup process. To ensure the integrity of data, the cloud-managed appliance shall use a proprietary viewer that can detect image tampering.
24. Include a minimum of the following front panel controls and LEDs:
 - a. Two 2.0 USB ports
25. Include a minimum of the following rear-panel connectors:
 - a. 4, 8 or 16 PoE+ Ports
 - b. Power input
 - c. One USB 3.0 input
 - d. Two USB 2.0 inputs
 - e. HDMI
 - f. Dual 10/100/1000 RJ-45 Network Jacks
 - g. VGA
 - h. Line in / Speaker out – RCA
26. Include the following components:
 - a. USB Mouse
 - b. USB Keyboard QWERTY
 - c. System Recovery USB
 - d. Power Adapter
 - e. User Quick Start Guide
 - f. Rack Mount Installation Kit

SECTION 3 MODEL INFORMATION

3.1 LIST OF SUPPORTED MODELS

A. The Cloud-managed appliance shall be one of the following models or an approved equivalent:

**4 CH
Up to 18TB Storage**

CPX-04AP04-L	4CH PnP PoE 120W NVR CWMS-L 4TB
CPX-04AP06-L	4CH PnP PoE 120W NVR CWMS-L 6TB
CPX-04AP08-L	4CH PnP PoE 120W NVR CWMS-L 8TB
CPX-04AP12-L	4CH PnP PoE 120W NVR CWMS-L 12TB
CPX-04DT04	4CH NVR CWMS-E 4TB
CPX-04DT06	4CH NVR CWMS-E 6TB
CPX-04DT08	4CH NVR CWMS-E 8TB
CPX-04DT12	4CH NVR CWMS-E 12TB
CPX-04DT18	4CH NVR CWMS-E 18TB

**8 CH
Up to 12TB Storage**

CPX-08AP04-L	8CH PnP PoE 120W NVR CWMS-L 4TB
CPX-08AP06-L	8CH PnP PoE 120W NVR CWMS-L 6TB
CPX-08AP08-L	8CH PnP PoE 120W NVR CWMS-L 8TB
CPX-08AP12-L	8CH PnP PoE 120W NVR CWMS-L 12TB
CPX-08AP04	8CH PnP PoE 120W NVR CWMS-E 4TB
CPX-08AP06	8CH PnP PoE 120W NVR CWMS-E 6TB
CPX-08AP08	8CH PnP PoE 120W NVR CWMS-E 8TB
CPX-08AP12	8CH PnP PoE 120W NVR CWMS-E 12TB

16 CH
Up to 12TB Storage

CPX-16AP04-L	16CH PnP PoE 150W NVR CWMS-L 4TB
CPX-16AP06-L	16CH PnP PoE 150W NVR CWMS-L 6TB
CPX-16AP08-L	16CH PnP PoE 150W NVR CWMS-L 8TB
CPX-16AP12-L	16CH PnP PoE 150W NVR CWMS-L 12TB
CPX-16AP04	16CH PnP PoE 150W NVR CWMS-E 4TB
CPX-16AP06	16CH PnP PoE 150W NVR CWMS-E 6TB
CPX-16AP08	16CH PnP PoE 150W NVR CWMS-E 8TB
CPX-16AP12	16CH PnP PoE 150W NVR CWMS-E 12TB

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