

NVR500 Megapixel Network Video Recorder

Bid Specification

1.0 Description

The Surveon NVR500 is a highly integrated 16 channel network video recorder featuring a virus free, installation free embedded design that is fully burn-in tested. The megapixel-optimized NVR500 includes a function rich software suite, which is scalable with Surveon's free CMS package. These features allow the NVR500 to provide a worry-free, low-overhead system operation aimed at smaller scale installations in diverse applications such as retail, school and hospitality.

2.0 Bid Specification

- The NVR shall support up to 16 network cameras
- The NVR shall have up a capacity of up to 3 SATA hard-drives
- The NVR shall have a set of standard I/O ports, including:
 - 1 x Gigabit Ethernet Port
 - 1 x VGA D-Sub Port
 - 1 x Audio Line-in Port
 - 1 x Audio Line-out Port
 - 2 x USB 2.0 Ports
 - 1 x RS232 Port
 - 2 x PS2 Ports
- The NVR shall have external LED indicators for power, recording, network, and error statuses.
- The NVR shall have an embedded operating system
- The NVR shall include intelligent Video Management Software capable of features such as E-Map and Virtual matrix.
- The NVR primary power source shall be 115 V AC @ 6 A / 240 V AC @ 3 A
- The NVR operating ambient temperature shall be 10 °C to 35°C (50 ° F to 95 °F)
- The NVR shall be operational in a humidity range within 5 % to 95 % non-condensing
- The NVR shall be FCC Class B, CE, UL60959, IEC60950, BSMI, and CCC compliant
- The NVR shall have total unit dimensions of 40.42 x 34.02 x 9.71 cm (15.91"x 13.39"x 3.82")
- The NVR shall have a total unit weight of 11.36kg (26 lbs.)

NVR Specifications

3.0 Minimum Performance Specification

The NVR must meet the following operating requirements

System

- Up to 16 Network Cameras

Storage

- HDD Capacity 3 x SATA

I/O Interface

- 1 x Gigabit RJ-45
- 1 x D-Sub
- 1 x Audio Line-in
- 1 x Audio Line-out
- 2 x USB 2.0
- 1 x RS232
- 2 x PS2

LED Indicators

- Power
- Recording
- Network
- Error

Electrical

- Input voltage : 115 V AC @ 6 A / 240 V AC @ 3 A
- Frequency: 47 to 63 Hz
- Power: 250 watt

Environmental

- Temperature:
 - Operating: 10 °C to 35°C (50 ° F to 95 ° F)
 - Non-operating: -40 °C to 70°C (-40 ° F to 158 ° F)
- Humidity:
 - Operating: 5 % to 95 %, non-condensing
 - Non-operating: 5 % to 95 %, non-condensing

Mechanical

- Total unit dimensions: 40.42 x 34.02 x 9.71 cm (15.91"x 13.39"x 3.82")
- 11.36kg (26 lbs.)

Regulatory Approvals

- FCC, Class B
- CE
- UL60959/IEC60950
- BSMI
- CCC

Related Documentation

- NVR User Manual

4.0 Model Numbers

The NVR shall be Surveon model NVR500, 16 Channel Megapixel NVR

5.0 Warranty

Minimum 3 Year parts and labor