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TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION 16 - ELECTRICAL

SECTION 16770 - CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM

PART 2 – PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and utilized in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada) technical support number from the manufacturer. The number shall provide technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.

2.02 4-Channel Power Supply Passive Receiver Hub

- A. Shall be equipped with one RJ45 connector for connecting power, video and data to and from power-video-data transceiver at each camera, for up to eight cameras.
- B. Shall be compatible with a power-video-data transceiver at each camera and comply with standard telecom/datacom structured cabling pinouts per EIA/TIA 568B. Wiring pinouts shall be:
  - Pin 1: + Video
  - Pin 2: - Video
  - Pin 3: + Data
  - Pin 4: - Power
  - Pin 5: + Power
  - Pin 6: - Data
  - Pin 7: + Power
  - Pin 8: - Power
- C. Shall supply up to 1 Amp per channel.
- D. Shall provide 24VAC camera power and pass-through video and telemetry data connectivity for up to 4 cameras, each via a single RJ45 4-pair UTP cable.
- E. Shall have an individually selectable output (24VAC-OFF-28VAC) for each camera connection.
- F. Shall be powered by 115/230 VAC 50/60 Hz.
- G. Shall have a current draw of up to 2.5Amps / 0.62Amps.
- H. Shall have protection of 5Amp slo-blo 8X20mm fuse & thermal shutdown.
- I. Shall require a minimum airflow of 4ft<sup>3</sup>/min (0.1m<sup>3</sup>/min).
- J. Shall have a wattage rating of 125 Watts.

- K. Shall operate with ambient temperature range of -4 to + 122<sup>o</sup> F (-20 to + 50<sup>o</sup>C).
- L. Shall operate within a humidity (non-condensing) of 0 to 95%.
- M. Shall have 4 individually floating outputs ensuring total ground-loop immunity.
- N. Shall have transient immunity per ANSI 587 C62.41.
- O. Shall have per-channel automatic-reset fault protection.
- P. Shall have per-channel independent diagnostic LEDs showing load/no load, miswires and overload conditions as follows:
  - LED Off = No load connected
  - LED Green = Load detected
  - LED Amber = Mis-wire detected
  - LED Red = Overload shutdown condition
- Q. Shall be wall, desk or 19in rack mountable when used with the NV-4PSRMBK Rack Mount Kit.
- R. Shall be used as a cable management solution from the camera to the Wiring Closet or the Control Room.
- S. Shall deliver Pan/Tilt/Zoom telemetry signals from the control room to an RJ45 jack for delivery via UTP wire to the cameras. Pinouts shall be:
  - Pin 1: Data 2+
  - Pin 2: Data 2-
  - Pin 3: Data 3+
  - Pin 4: Data 1-
  - Pin 5: Data 1+
  - Pin 6: Data 3-
  - Pin 7: Data 4+
  - Pin 8: Data 4-
- T. Shall support Cat 5 or better UTP.
- U. Shall have a weight of 7lb (3.2kg).
- V. Shall have dimensions 9.25in wide, 1.75in high, 7.25in deep (235mm wide, 44.5mm high, 184mm deep).
- W. Shall be UL and cUL listed.
- X. Shall be CE compliant.
- Y. Shall be RoHs compliant.
- Z. Shall be WEEE compliant.
- AA. Shall be provided with a limited lifetime warranty.
- BB. Shall be the NVT: NV-4PS13-PVD or approved equal.