Model NV-208A-M
Video Transceiver

Features:

- Full-motion CCTV video at distances up to 750ft (225m) when used with any passive NVT transceiver or hub
- Up to 3,000 feet (1,000m) with a DigitalEQ™ Hub or active receiver
- Up to 1,500 feet (460m) shall be supported by any NVT StubEQ™ Hub
- Frequency response DC to 10MHz (see Resolution Distance Chart)
- Male BNC allows connection directly to the camera or DVR
- Reliable Screwless UTP terminal connection
- No power required
- Exceptional interference rejection
- Built-in transient protection
- Supports “up-the-coax” type control signal up to 750ft (225m)
- Limited lifetime warranty

The NVT Model NV-208A-M Video Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire. Baseband (composite) signals of any type are supported.

An improvement over NVT’s popular NV-213A video transceiver, the passive NV-208A-M features a Screwless UTP terminal block and Male BNC allowing connection directly to the camera or DVR. It is capable of delivering a fully equalized signal to the DVR when used with any Active NVT Receiver, yet is compatible with all of NVT’s passive products for applications under 750ft (225m). The NV-208A-M Video Transceiver also incorporates improved transient protection that eliminates the need for a ground screw.

The unparalleled interference rejection and low emissions of the NV-208A-M allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant.
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Technical Specifications

**VIDEO DISTANCE RECOMMENDATIONS**

![Diagram showing video distance recommendations]

**VIDEO**
- Frequency response: DC to 10 MHz
- Attenuation: 0.5 dB typ
- Common-mode / Differential-mode rejection:
  - 15 kHz to 5 MHz: 60 dB typ
- Impedance:
  - Coax, male BNC: 75 ohms
  - UTP, Screwless terminal block: 100 ohms

**POWER**
- No external power required

**ENVIRONMENTAL**
- Ambient ambient temperature: -22 to +167 °F (-30 to +75 °C)
- Humidity (non-condensing): 0 to 95%
- Transient Immunity: per ANSI / IEEE 587 C62.41

**WIRE TYPE**
- Network Wiring:
  - One Unshielded Twisted Pair
  - Category Type: 2 or better
  - Impedance: 100 ± 20 ohms
  - DC Loop Resistance: 52 ohms per 1,000ft (18 ohms per 100m)
  - Differential Capacitance: 19 pF/ft max (62 pF/m max)

**MECHANICAL**
- Body Length: 1.7in (43mm)
- Body Height: 0.8in (21mm)
- Body Width: 0.6in (14.5mm)
- Product Weight: 1.1oz (34g)
- Packaged Weight: 0.1lb (45g)

Specifications subject to change without notice.

Typical Applications

**Passive to Passive Application up to 750ft (225m)**

Passive transceiver available in 1, 4, 8, 16 and 32 Channels

**Passive to Active Application up to 3,000ft (1km)**

Active receiver available in 1, 4, 8, 16 and 32 Channels

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