Surveillance Video Collector
VDS23000

The VDS23000, both NTSC and PAL video format compatible, is an analog video transmission system. Not only is it suitable for outdoor installation in a specific area of monitory control or as a community surveillance system, but also as an indoor surveillance system inside buildings. By utilizing the multi-carrier transmission technology, the VDS23000 can transfer video signals without any interference or distortion. Simply through one coaxial cable, the video signal and power can be transmitted up to 1,000 meters away. It supports all kinds of infrared cameras. The image output can be transferred to IP signals through a video server or sent to a control center miles away through a fiber optic transmitter.

VDS23000 Surveillance Video Collector

APPLICATIONS

- Supports up to 8 cameras with a single installation.
- Various combinations of module sets on the collector platform serve different customer needs.
- Sends surge protected and safe DC power to cameras through a single coaxial cable.*
- Offers high DC power to all types of analog cameras.
- The transmission distance can be up to 1,000 meters away over one coaxial cable.
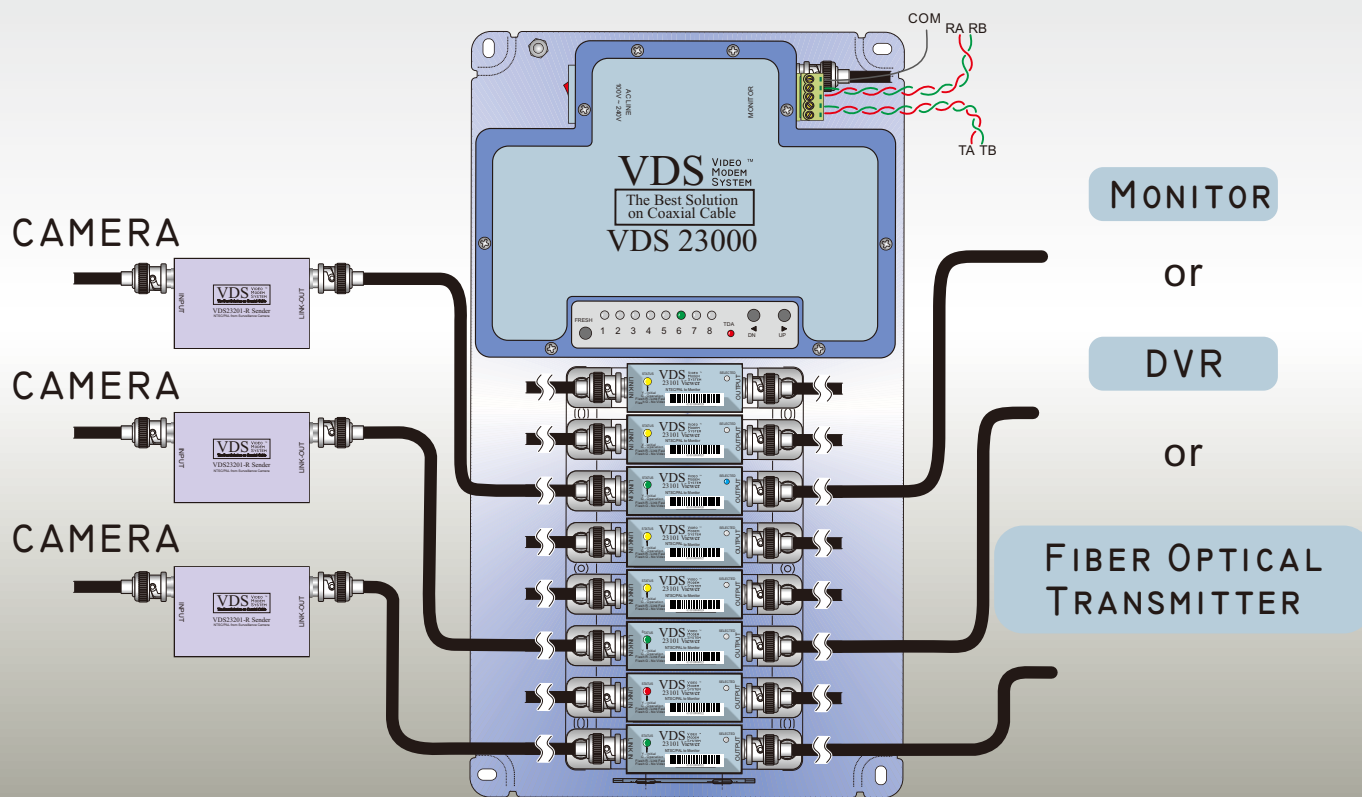- Suitable for outdoor and indoor surveillance systems.

FEATURES

• Each transmission channel includes 1 Remote Unit and 1 Local Unit. The platform can fix a maximum of 8 sets of Local Units.

• Provides all functions for Video, Audio, Data*, and Alarm* signal transmission.

• The capability of the transmission depends on the selected transmission sets on the collector platform.

• The Local Unit modules support hot-swap.

• Audio signal level received by the Local Unit is the same as the audio signal level sent from the Remote Unit, which provides a lossless signal transfer.

• The video signal can be converted to digital format by an external video server.

• Built-in TVS and GDT inside the modules protect monitor equipment against lightning-induced current and transient voltage.

• Long distance transmission could be achieved through fiber optic transmitters.

• Only 4 screws for easy installation and maintenance.

NOTES

* Safe power transmission– The system transmits power only after the circuits are identified: Allow1 to 2 seconds for checking processes after the system hooks up to the coaxial cable.

*Data– PTZ data interface can be selected by switching to RS485(half-duplex)/RS422 (full-duplex),which make the duplex/bi-direction transmission. The I/O panel will be used if the data model is needed; otherwise, the out panel will be used.

* Alarm– For the Remote Unit, three alarm models (NC/NO/Terminal-Resistor) are provided for selection. For the Local Unit, the alarm output is open-collector.

VDS23000 Connection Diagrams

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