



## Video Link (Transmitter/Receiver)



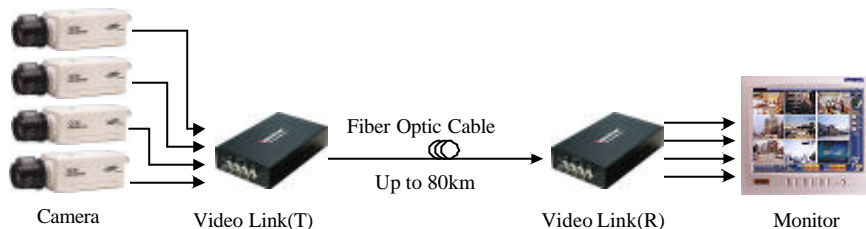
### ➤ Main Features

- Composite (NTSC, PAL, SECAM, RS-170, CCIR)
- 5Hz ~ 10MHz bandwidth
- Transmission distance up to 80km(at 1550nm SM)
- 7~24Vdc or 12~24Vac free-volt power input
- > 65dB SNR
- AM, FM, Digital modulation
- Ambient operating temperature : -40~70°C

### ➤ Descriptions

Cominet's Video Link converts video signals from cameras to optic signals and transmits up to 80km. It is free from electric noise compare to coaxial cable and has the powerful advantage that transmits multi-channels of video signals without additional equipment through a pair of or just one optic line. FM(Frequency Modulation) type of optic link can transmits maximum 4 channels of video signals compare with a capability of 1 channel of AM(Amplitude Modulation) type, and DM(Digital Modulation) type has the capability of 16 channels and more. Compare with two analog(AM, FM) types, DM type is immune from noise and can transmits higher quality of signals to long distance remote site.

### ➤ Applications



### ➤ Ordering Information

| Mode        | Model Name    | Description   | Fiber Count | Max. Distance |
|-------------|---------------|---|-------------|---------------|
| Multi Mode  | V100-10T/R-80 | 1ch Video uni-dir. Transmitter/Receiver, AM 850nm       | 1           | 2Km           |
|             | V400-30T/R-80 | 4ch Video uni-dir. Transmitter/Receiver, DM 850nm       | 1           | 500m          |
|             | V100-10T/R-31 | 1ch Video uni-dir. Transmitter/Receiver, AM 1310nm      | 1           | 4Km           |
| Single Mode | V400-30T/R-30 | 4ch Video uni-dir. Transmitter/Receiver, DM 1310nm      | 1           | 1Km           |
|             | V800-30T/R-30 | 8ch Video uni-dir. Transmitter/Receiver, DM 1310nm      | 1           | 500m          |
|             | V100-10T/R-32 | 1ch Video uni-dir. Transmitter/Receiver, DM 1310nm      | 1           | 20Km          |
|             | V400-30T/R-32 | 4ch Video uni-dir. Transmitter/Receiver, DM 1310nm      | 1           | 20Km          |
|             | VB00-30T/R-32 | Max 16ch Video uni-dir. Transmitter/Receiver, DM 1310nm | 1           | 20Km          |
| Single Mode | VB00-30T/R-54 | Max 16ch Video uni-dir. Transmitter/Receiver, DM 1550nm | 1           | 40Km          |
|             | VB00-30T/R-56 | Max 16ch Video uni-dir. Transmitter/Receiver, DM 1550nm | 1           | 60Km          |
|             | VB00-30T/R-58 | Max 16ch Video uni-dir. Transmitter/Receiver, DM 1550nm | 1           | 80Km          |
|             | VB00-30T/R-58 | Max 16ch Video uni-dir. Transmitter/Receiver, DM 1550nm | 1           | 80Km          |

## Cominet Fiber Optic Link

### ➤ Specifications

| Specifications                           | Transmitter(V800-30T-xx)   |                | Receiver(V800-30R-xx) |                |
|--|--|----------------|-----------------------|----------------|
|  | 80, 31   | 32, 54, 56, 58 | 80, 31                | 32, 54, 56, 58 |
| Optical Specifications                   |  |                |                       |                |
| Fiber Type                               | Multi-Mode   | Single-Mode    | Multi-Mode            | Single-Mode    |
| Number of Fiber                          | 1 fiber  |                |                       |                |
| Wavelength(nm)                           | 850, 1310  | 1310, 1550     | 850, 1310             | 1310, 1550     |
| Max Distance(km)                         | 2, 4,  | 20, 40, 60, 80 | 2, 4,                 | 20, 40, 60, 80 |
| Connector                                | ST (FC – Option)   |                |                       |                |
| Video Input/Output Signal Specifications |  |                |                       |                |
| Number of Channels                       | 1, 2, 4, 8, 16 channels  |                |                       |                |
| Video Input/Output Signal                | 1V <sub>p-p</sub> (75Ohm) Composite (NTSC, PAL, SECAM, RS-170, CCIR)   |                |                       |                |
| Bandwidth                                | 5Hz ~ 10MHz  |                |                       |                |
| Differential Gain                        | < 5% for AM,FM type, < 2% for DM type  |                |                       |                |
| Differential Phase                       | < 5° for AM, FM type, < 2° for DM type   |                |                       |                |
| Signal-Noise                             | > 60dB for AM, FM type, > 65dB for DM type   |                |                       |                |
| Connector                                | BNC  |                |                       |                |
| Power Specifications                     |  |                |                       |                |
| Input Voltage                            | 7~15Vdc for AM,FM type, 7~25Vdc or 12~24Vac for DM type  |                |                       |                |
| Power Consumption(W)                     | 7.5  |                |                       |                |
| Connector                                | Terminal Block   |                |                       |                |
| Environment Specifications               |  |                |                       |                |
| Operating Temperature                    | -40°C ~ 70°C   |                |                       |                |
| Storage Temperature                      | -50°C ~ 85°C   |                |                       |                |
| Humidity                                 | 0% ~ 95%(Non-Condensing)   |                |                       |                |
| Physical Specifications                  |  |                |                       |                |
| Dimension(L×W×H)                         | Standalone type : 180.5×118.2×39.5(mm)<br>Rack mountable type : 19" width, 1U height<br>Line-card type : 3U height |                |                       |                |



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