

# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM201S (AEO-308)**  
2-Channel Signal Multiplexer (Mini)



**AEO-SM201 (CH-XT2000)**  
2-Channel Signal Multiplexer



**AEO-SM301 (CH-XT3000)**  
3-Channel Signal Multiplexer



**AEO-SM401 (CH-XT4000)**  
4-Channel Signal Multiplexer



**AEO-SM501 (CH-XT5000)**  
5-Channel Signal Multiplexer



**AEO-SM601 / SM601D (CH-XT6000 / CH-XT6000D)**  
6-Channel Signal Multiplexer + RS485 control signal



**AEO-SM801 / SM801D (CH-XT8000 / CH-XT8000D)**  
8-Channel Signal Multiplexer + RS485 control signal



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**AEO Technology Co., Limited.**

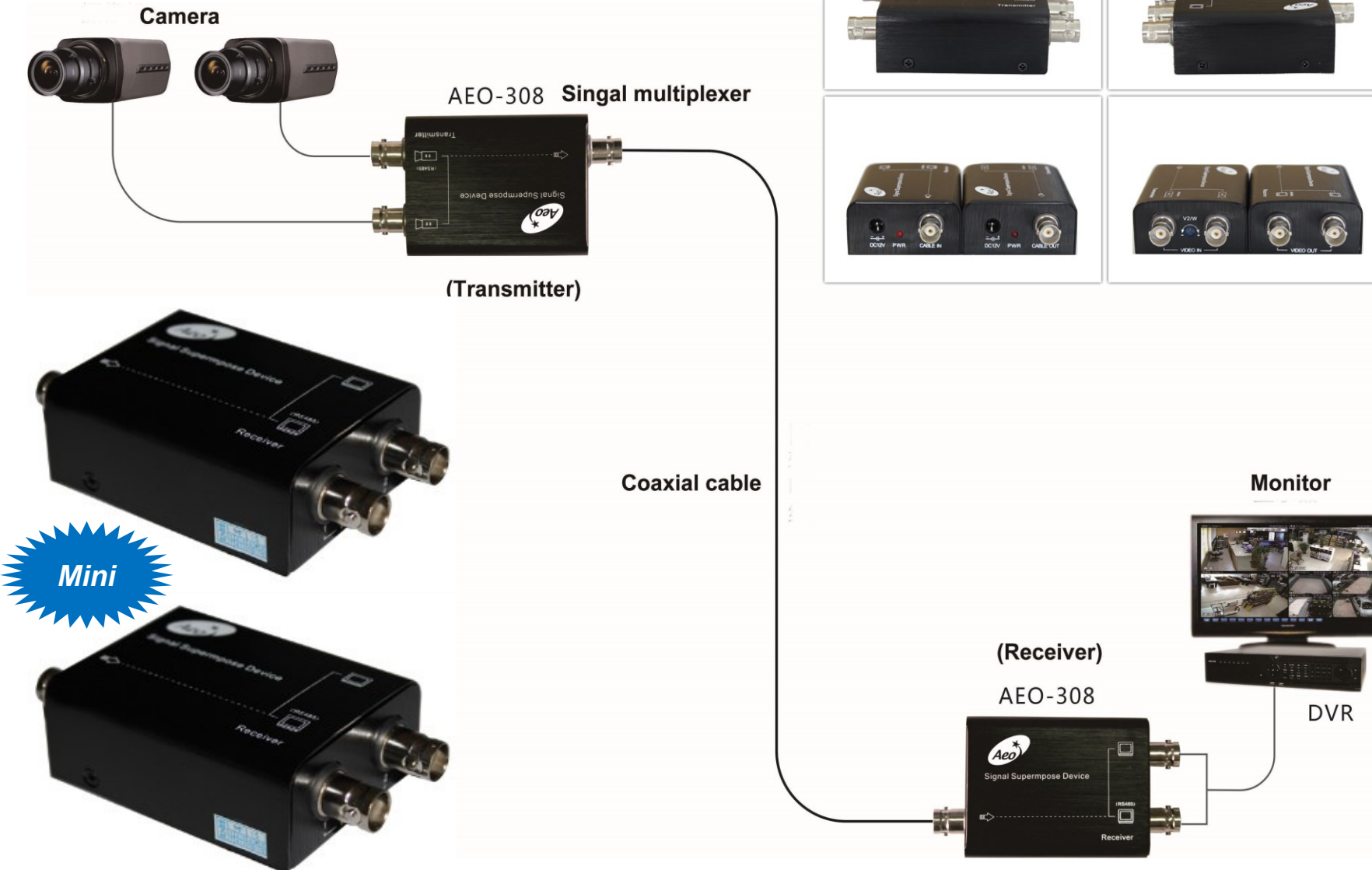
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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

## AEO-SM201S (AEO-308) 2-Channel Signal Multiplexer (Mini)



## Features

- 2-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~700 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and audio signal or 1 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75  $\Omega$
- Working voltage: DC12V  $\pm$  5%
- RF Output Level: 108db
- Power (signal input / output): 2W / 2W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 69 (W) x 53 (D) x 26 (H)
- Weight: 275g

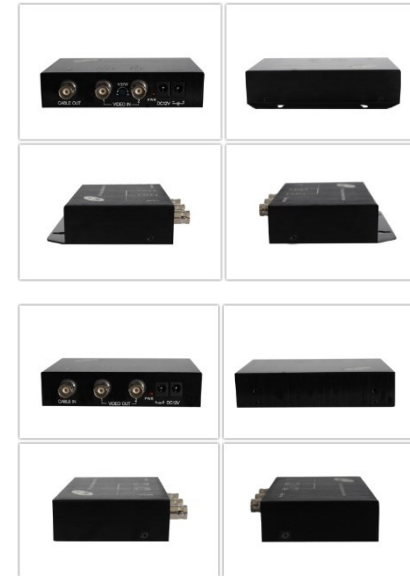


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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM201 (CH-XT2000)**  
2-Channel Signal Multiplexer

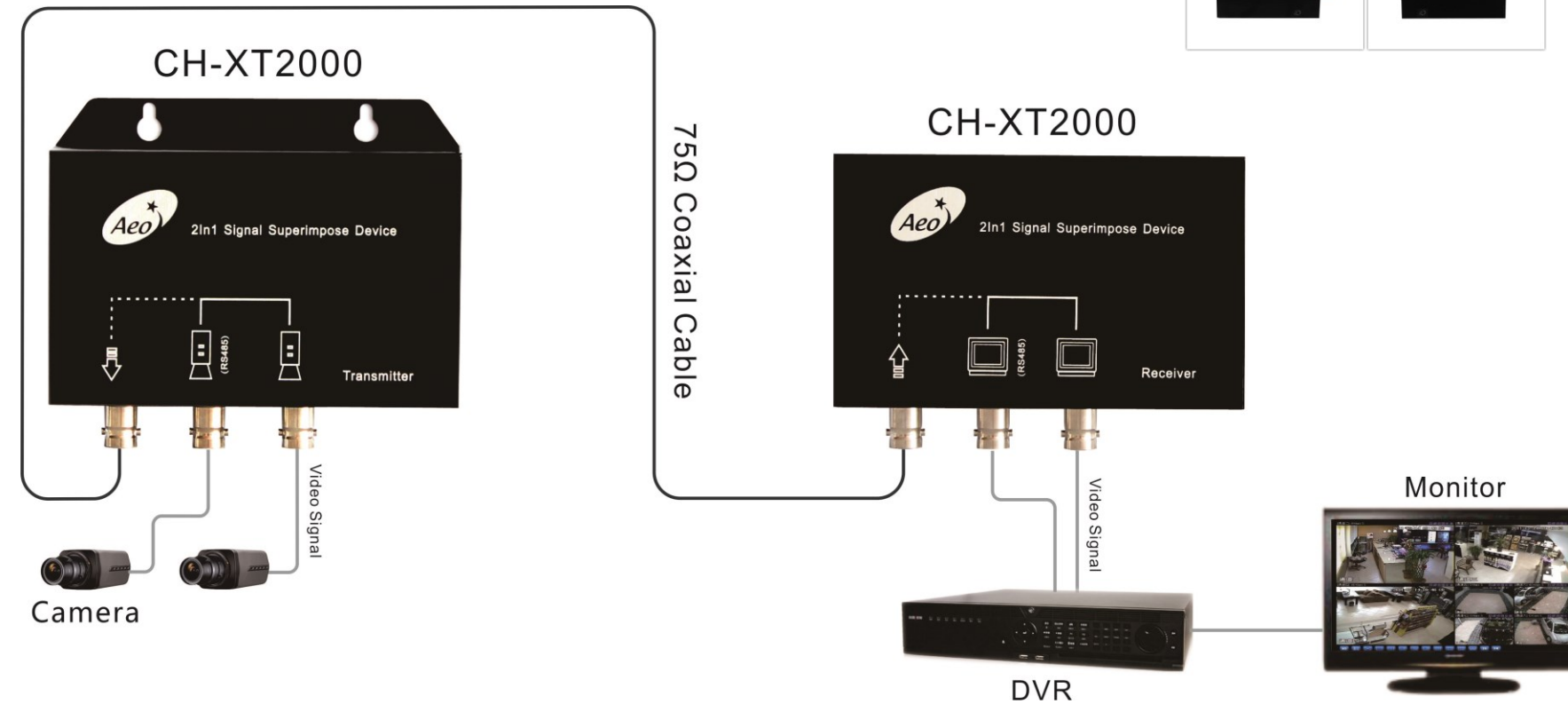


## Features

- 2-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~700 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and 1 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75  $\Omega$
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 3W / 3W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 114 (W) x 71 (D) x 26 (H)
- Weight: 460g



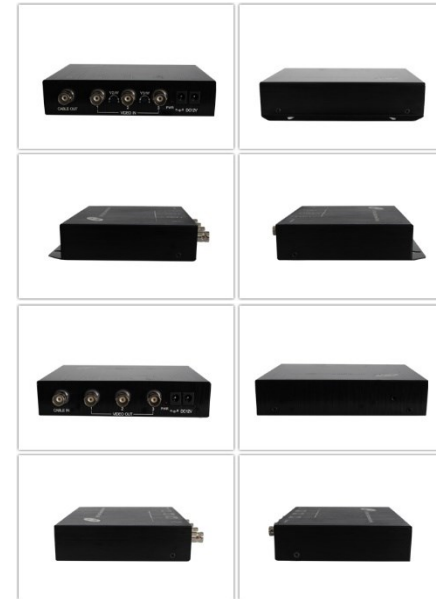
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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM301 (CH-XT3000)**  
**3-Channel Signal Multiplexer**

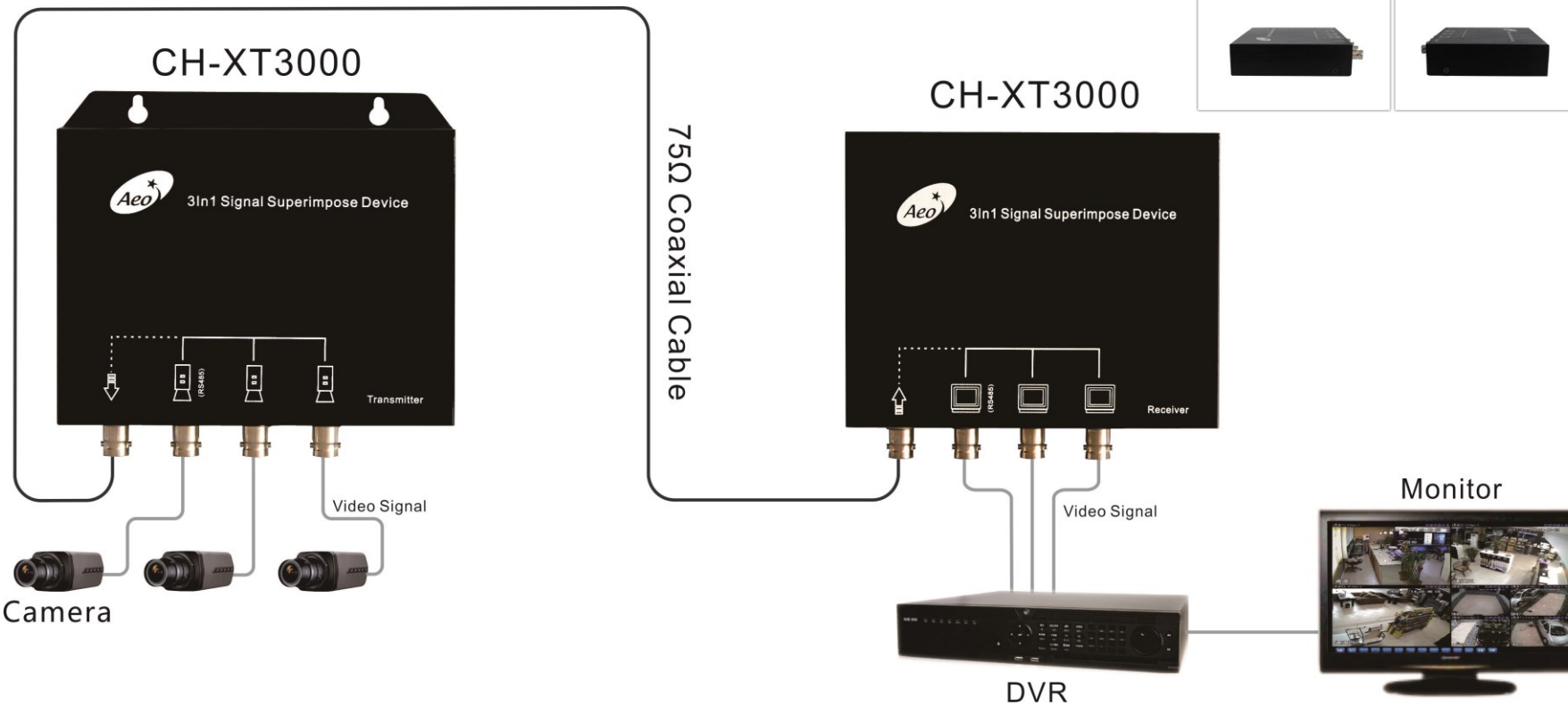


## Features

- 3-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~650 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and 2 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75 Ω
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 3W / 4W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 141 (W) x 112 (D) x 30 (H)
- Weight: 760g

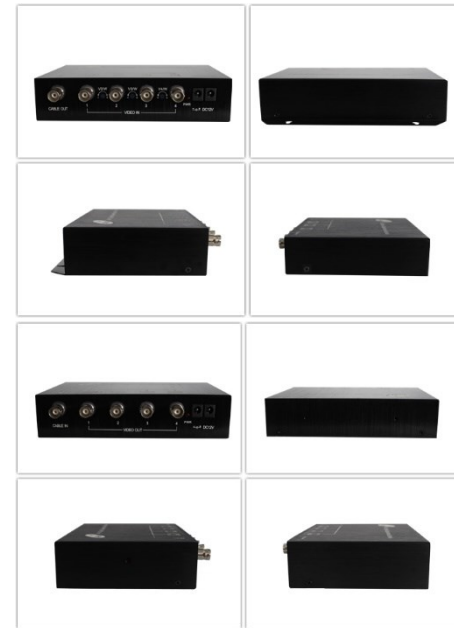


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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM401 (CH-XT4000)**  
**4-Channel Signal Multiplexer**



## Features

- 4-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~600 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal 3 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

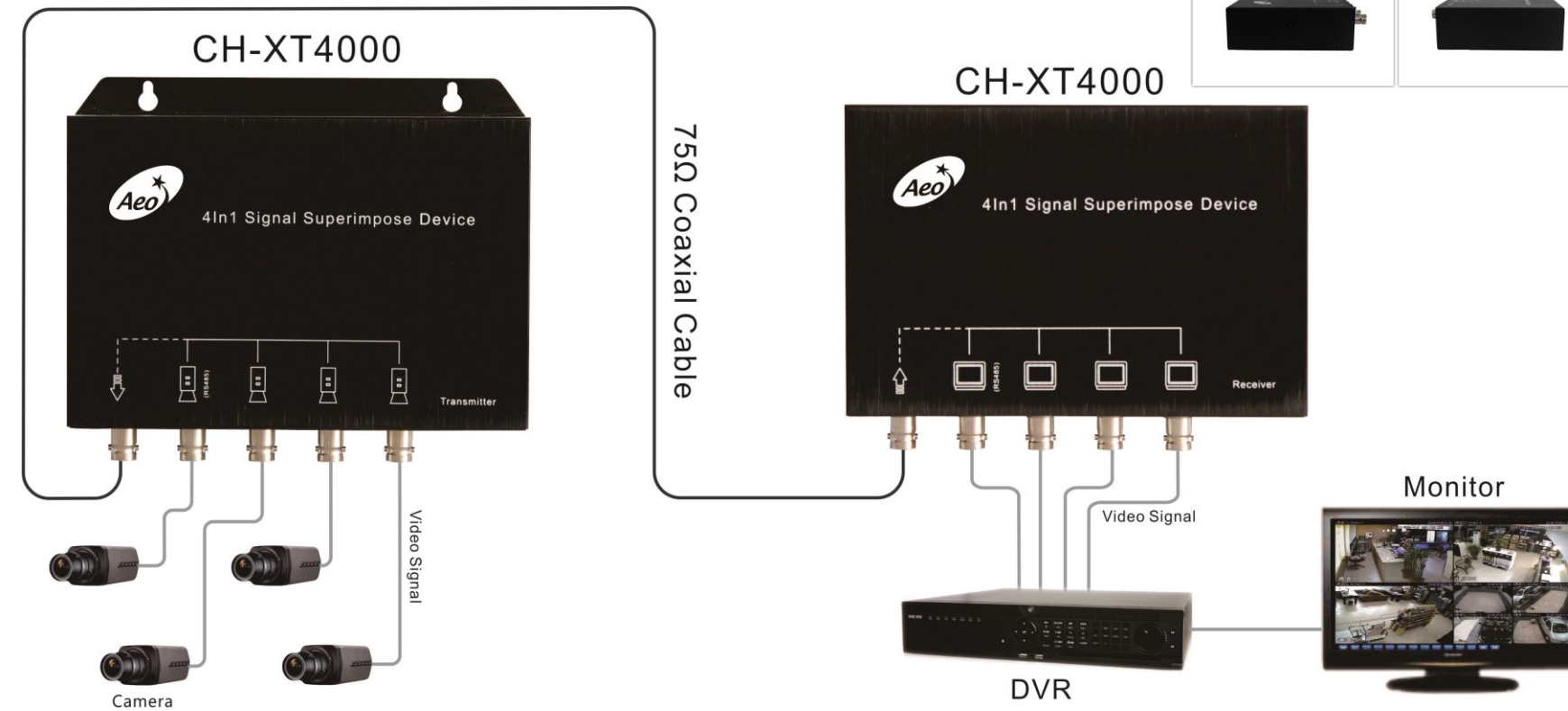
## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75  $\Omega$
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 4W / 4W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 166 (W) x 112 (D) x 38 (H)
- Weight: 960g



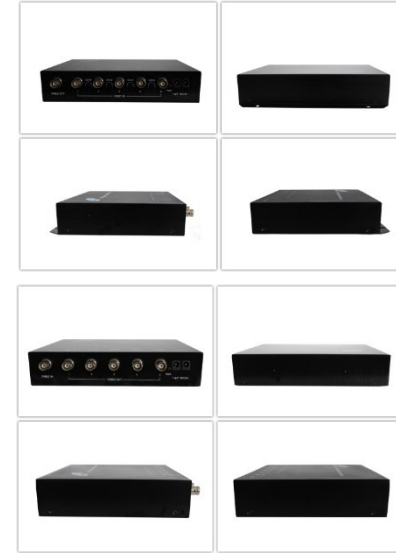
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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM501 (CH-XT5000)**  
**5-Channel Signal Multiplexer**



## Features

- 5-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~550 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and 4 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

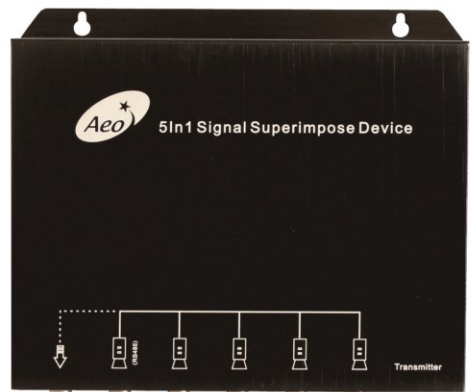
- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75  $\Omega$
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 5W / 5W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 191 (W) x 156 (D) x 38 (H)
- Weight: 1,420g



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**CH-XT5000**

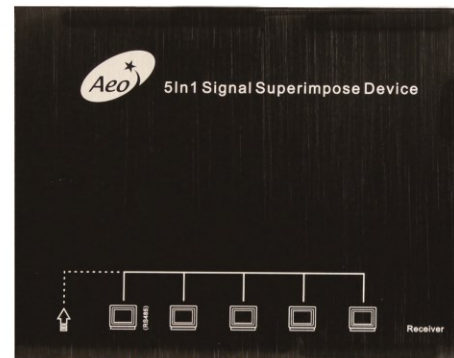


Video Signal



75 $\Omega$  Coaxial Cable

**CH-XT5000**



Video Signal



DVR

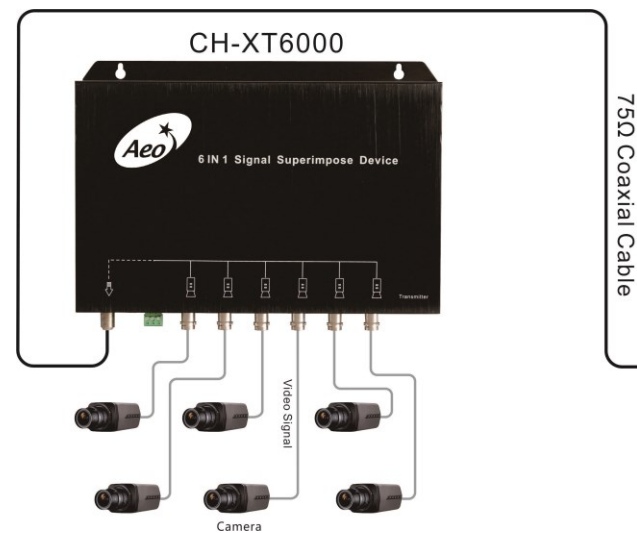
Monitor



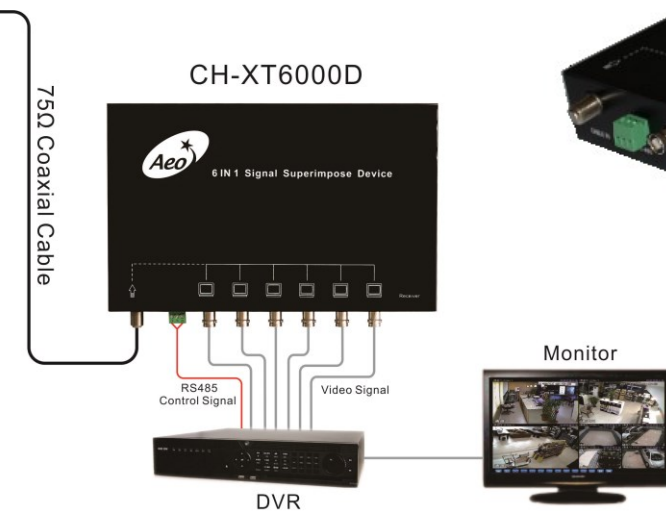
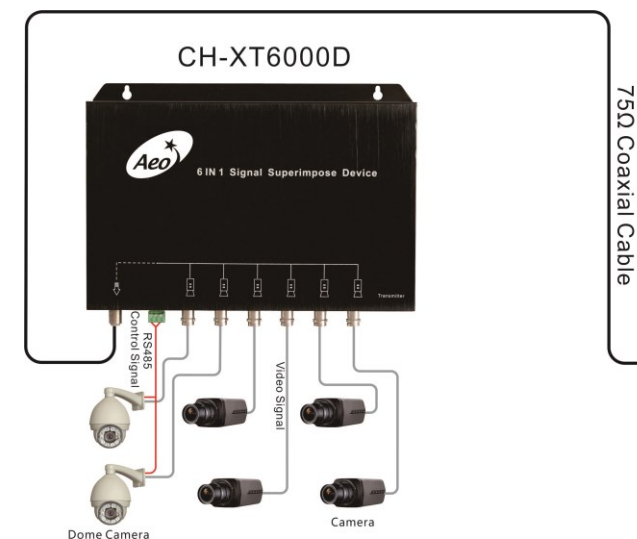
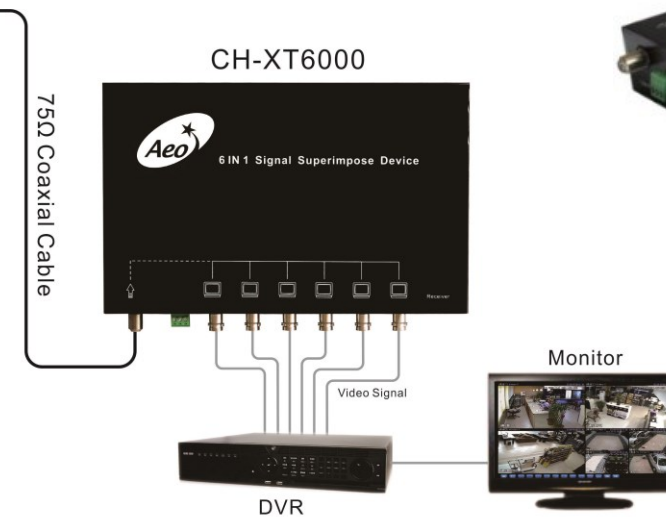


# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

## AEO-SM601 (CH-XT6000) 6-Channel Signal Multiplexer



## AEO-SM601D (CH-XT6000D) 6-Channel Signal Multiplexer + RS485



## Features

- 6-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~500 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and 5 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Compatible with RS485 control signals transmission without any restriction from protocols and baud rate.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75 Ω
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 6W / 7W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 244 (W) x 156 (D) x 40 (H)
- Weight: 2,020g



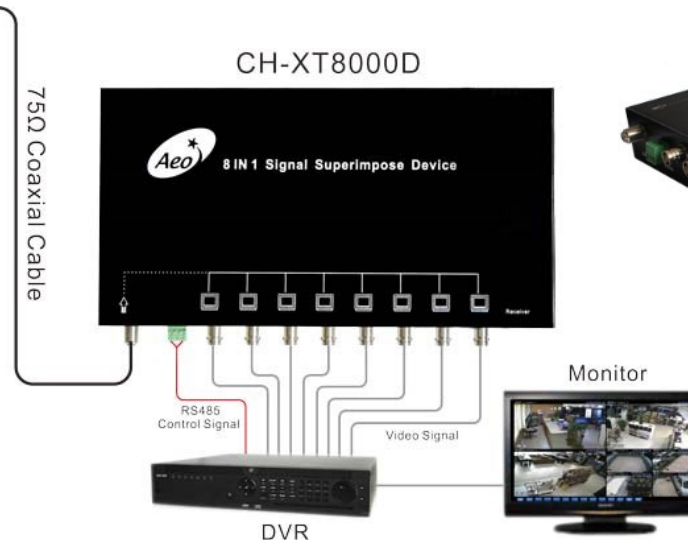
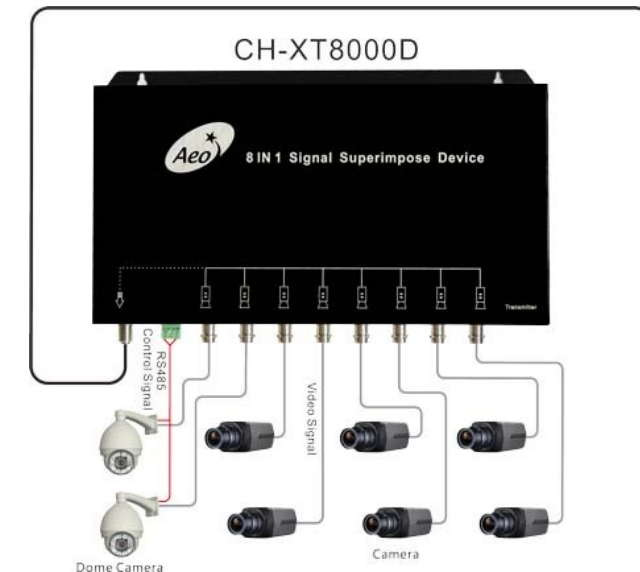
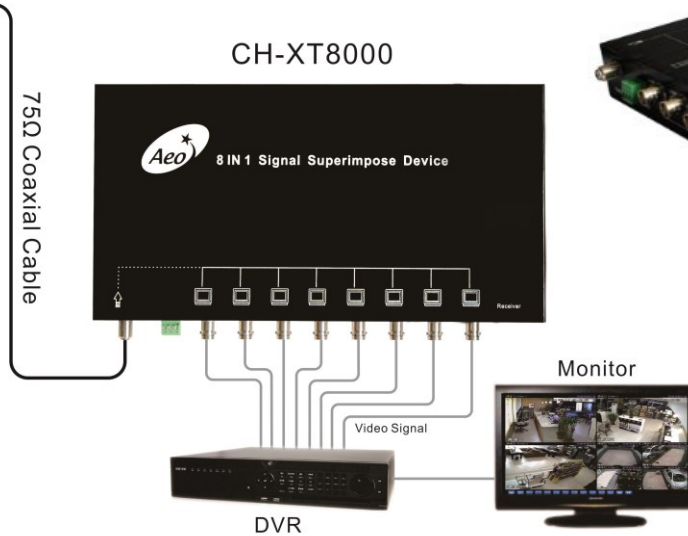
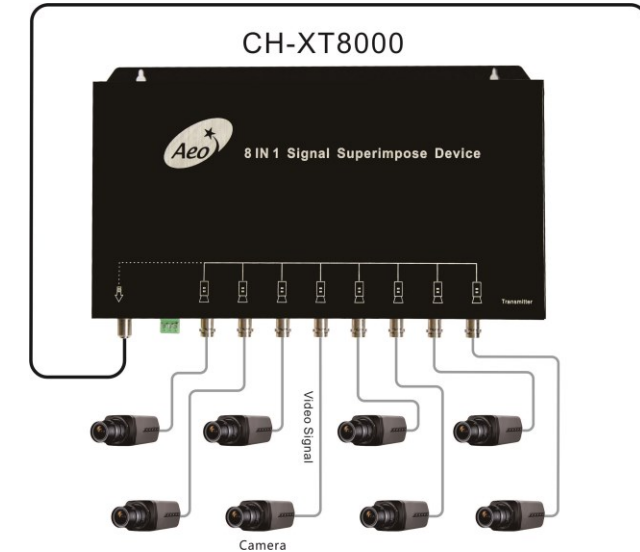
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# CCTV Analog Camera Surveillance & Security System – Signal multiplexer

**AEO-SM801 (CH-XT8000)**  
8-Channel Signal Multiplexer

**AEO-SM801D (CH-XT8000D)**  
8-Channel Signal Multiplexer + RS485



## Features

- 8-channel video signals transmission by 1 coaxial cable.
- Long transmission distance (1~450 meters)
- Flexible and convenient to choose signals (1-ch 485 control signal and 7 channel video signal).
- Support all communication protocols. Compatible with PAL, NTSC SECAM video formats automatically.
- Compatible with RS485 control signals transmission without any restriction from protocols and baud rate.
- Durable device, excellent stability, and long-time using without any latency problem.
- Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- Compatible with DC12V power supply, 1-channel signal can still pass in case of no power supply for the device.
- Simple construction, easy installation, suitable for both new project and upgrading old project because of reducing the difficulty of project and saving wire material.

## Technical parameters

- Nominal input & output level: 1Vp-p
- Nominal input & output impedance: 75 Ω
- Working voltage: DC12V  $\pm$  5%
- Power (signal input / output): 8W / 9W
- Operating temperature: - 40°C - +70°C
- Dimension (mm): 294 (W) x 156 (D) x 40 (H)
- Weight: 2,380g



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