



# Specifications

## Fiber Converter CVT4K-S

Rev1.0.0 NS160100108

## Overview

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CVT4K-S is a fiber converter developed by NovaStar independently, which enables the signal conversion between optical fiber and twisted pair cables. It allows long-distance signal transmission that is stable and not be easily interfered. Being easy to use, CVT4K-S makes it convenient to connect terminal devices as well as simpler for onsite connections.

## Features

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- 1) Supports 16-channel Neutrik Ethernet inputs and outputs.
- 2) Supports 4-channel optical fiber inputs/outputs. Two of them are master input/output channels and the other two are backups.
- 3) With dual-power redundancy backup inside for more stability and reliability.
- 4) Two types of power interfaces (3-pin power socket and PowerCON) are supported to meet different needs of customers.
- 5) With various indicator lights on the front panel, each status can be showed clearly.
- 6) With USB and Ethernet control interfaces making it more flexible and much easier to connect main control computers.

# Dimensions

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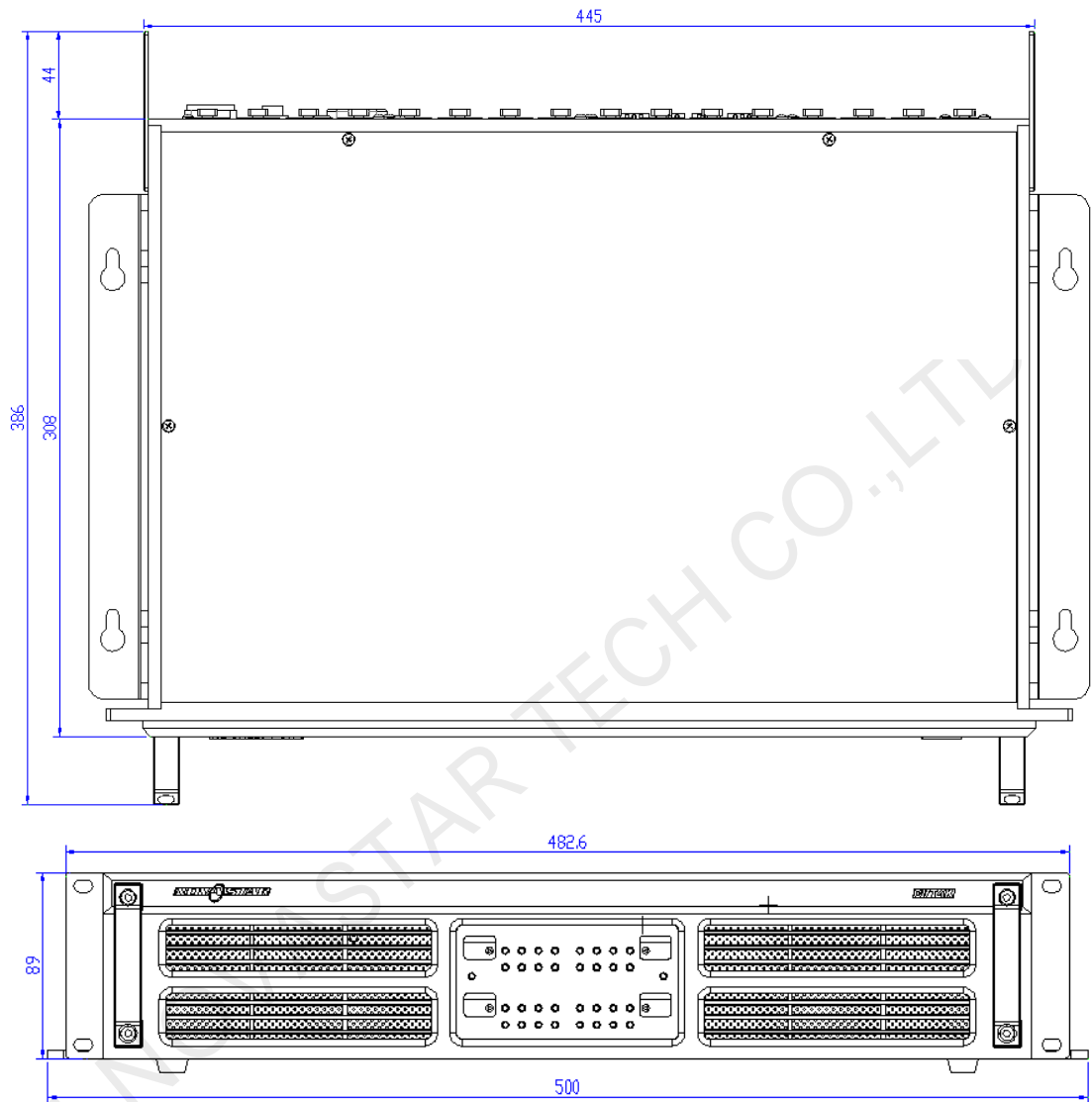


Fig. 1 CVT4K-S dimensions (mm)

# Appearance

## Front panel



Indicator lights are on the middle area of the front panel:

- Indicator lights of Ethernet port 1~8 corresponding to OPT1/OPT3 are on the upper half of this area. Lights on the first line indicate whether the connection of each port is available and lights on the second line indicate whether the port has data transmission.
- Power indicator light and overall status indicator light are on the middle of this area.
- Indicator lights of Ethernet port 9~16 corresponding to OPT2/OPT4 are on the lower half of this area. Lights on the first line indicates whether the connection of each port is available and lights on the second line indicate whether the port has data transmission.
- In addition, the small triangle lights near "OPT" indicate whether the connection of each optical fiber port is available.

**Note:** OPT1 is corresponding to Ethernet port 1~8 and OPT2 is corresponding to Ethernet port 9~16. In addition, OPT3 is the backup of OPT1 and OPT4 is the backup of OPT2.

## Rear panel



<b>Input</b>	
OPT1~4	4-channel optical fiber inputs/outputs
<b>Output</b>	
1~16	16-channel Neutrik Gigabit Ethernet inputs/outputs
<b>Control</b>	
ETHERNET	Control interface
USB	Control interface
<b>Power</b>	
AC 100-240V ~ 50/60HZ	AC power interface

## Specifications

<b>Inputs</b>		
port	Qty	Resolution specification
OPT	4	Optical fiber port
<b>Outputs</b>		
Port	Qty	Resolution specification
RJ45	16	Neutrik Gigabit Ethernet port

<b>Control</b>		
Port	Qty	Description
ETHERNET	1	Control interface
USB	1	Control interface

<b>Overall Specifications</b>	
Input power	AC 100-240V, 50/60Hz
Overall power consumption	10W
Operating temperature	-20~60°C
Weight	4.6kg