

# Fiber solution

NovaStar

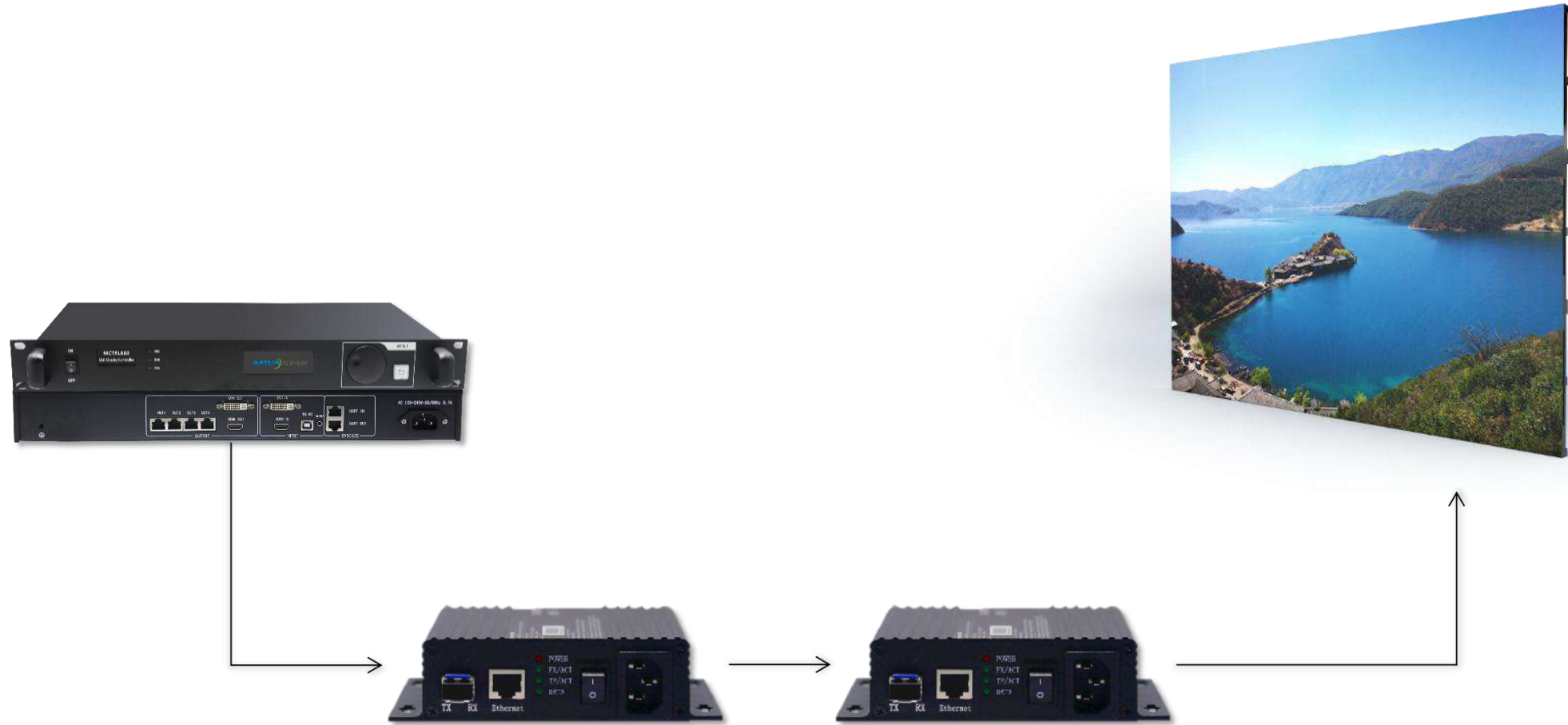


# Fiber solution



If the distance is longer than 100 m?

# Fiber solution



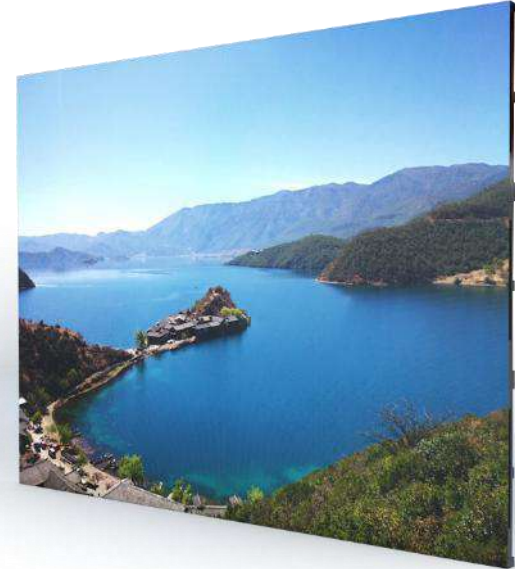
# CVT 310

Fiber Converter



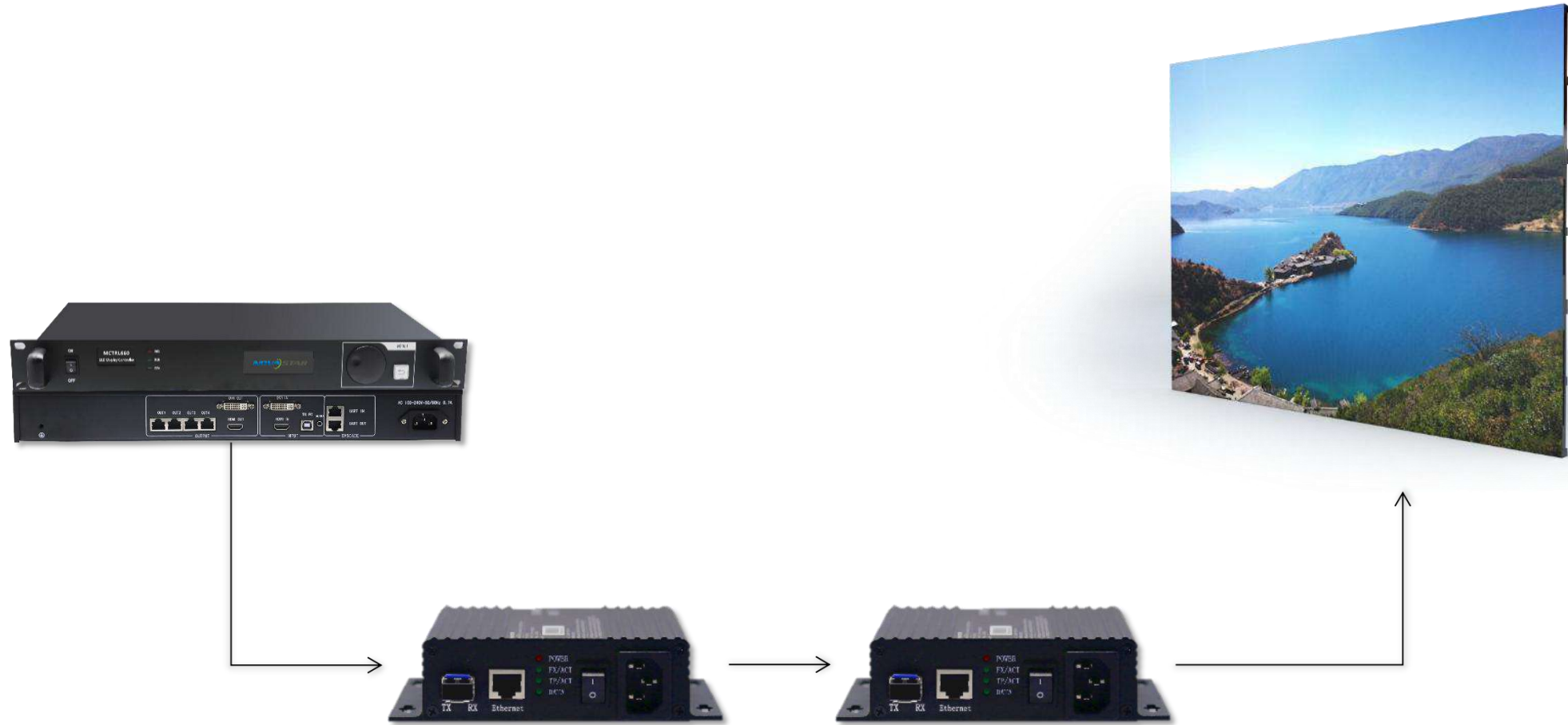
- 1 optic fiber interface.
- 1 RJ45.
- Power supply: 100 ~ 240V AC 50/60Hz.
- No need to install the drivers.
- CVT310: Transmission distance up to 300m, by using multi-mode dual-core optic fiber with LC interface.
- Certification: CE、RoHS、FCC、EAC

# Fiber solution



If the distance is longer than 300 m?

# Fiber solution



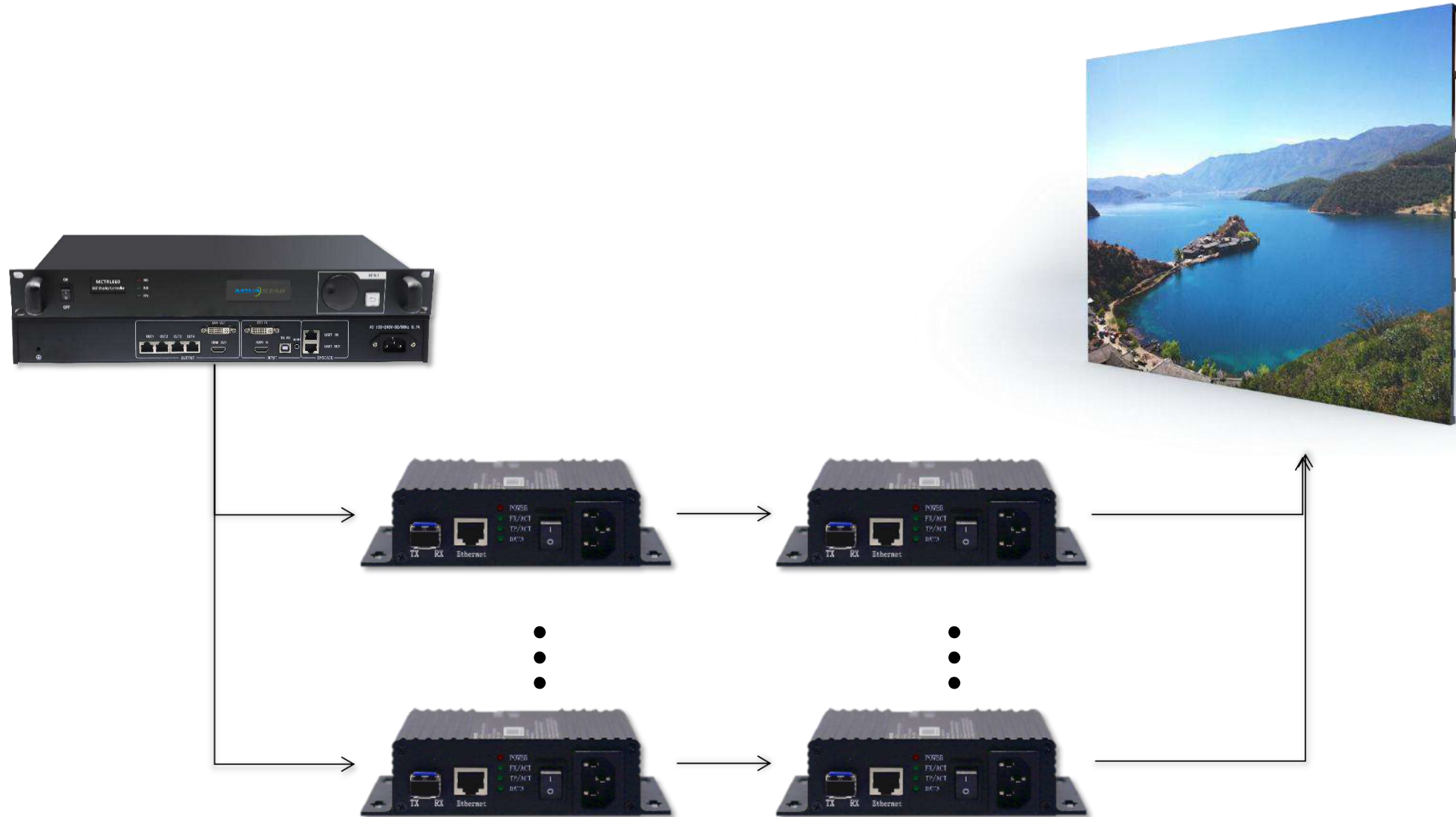
# CVT 320

Fiber Converter



- 1 optic fiber interface.
- 1 RJ45.
- Power supply: 100 ~ 240V AC 50/60Hz.
- No need to install the drivers.
- CVT320: Transmission distance up to 15km, by using single-mode dual-core optic fiber with LC interface.
- Certification: CE、RoHS、FCC、EAC

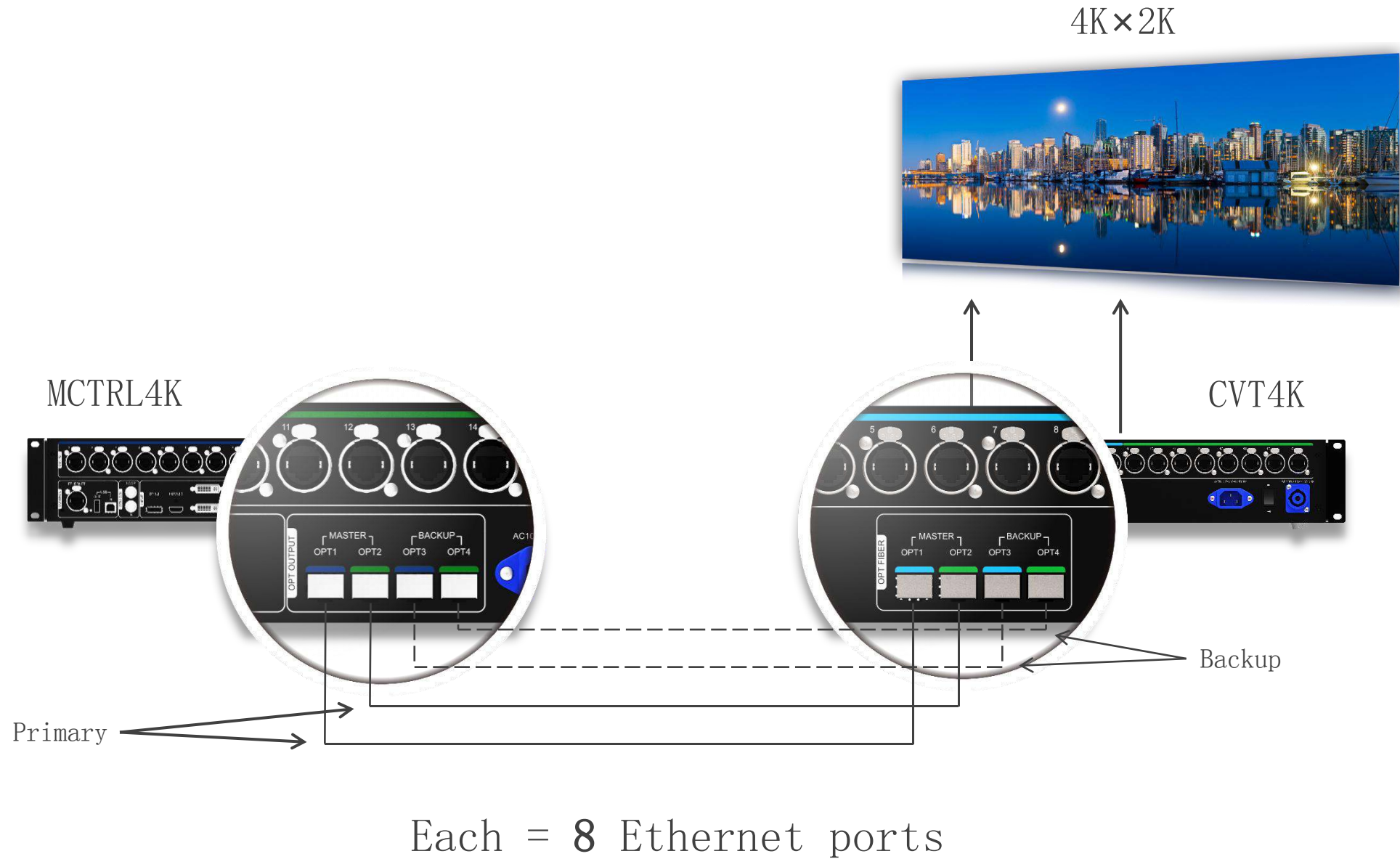
# Fiber solution





Do we have any other fiber solution?

# Fiber Solution



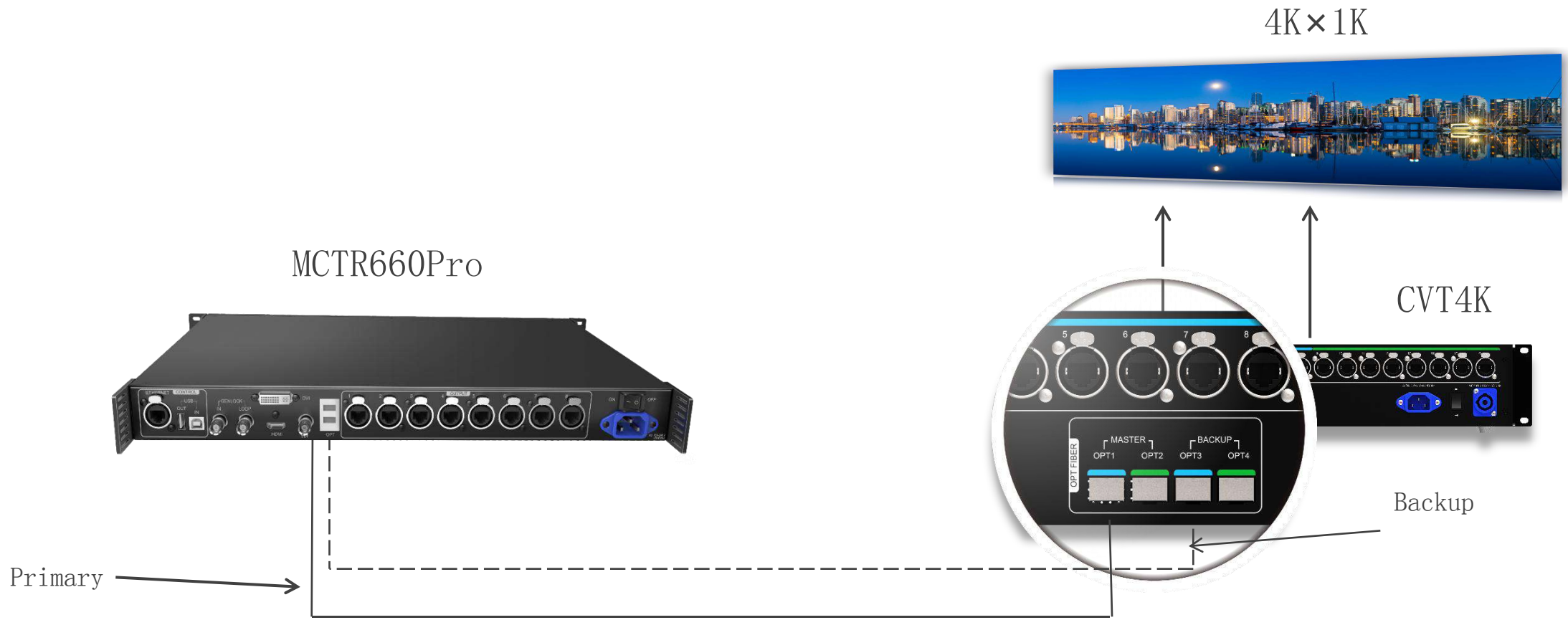
# CVT 4K

Fiber Converter



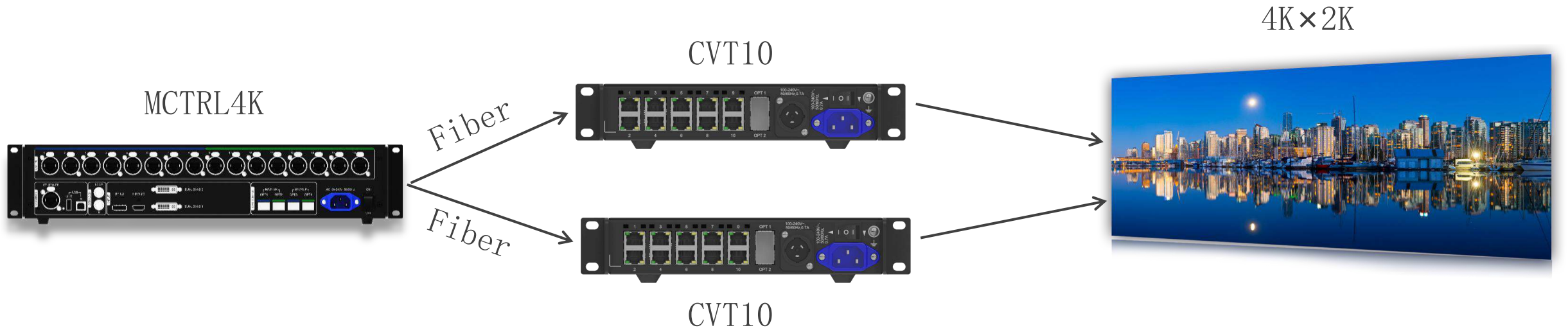
- 16-channel Neutrik Ethernet ports
- 2 Optic ports for main, 2 optic ports for backup, 10GB/S
- Dual-power redundancy backup inside for more stability and reliability.
- Two types of power interfaces (3-pin power socket and PowerCON) are supported to meet different needs of customers.
- With USB and Ethernet control interfaces making it more flexible and much easier to connect main control computers. 16 optic fiber interface.
- CVT4K-M: Transmission distance up to 300m
- CVT4K-S: Transmission distance up to 10km
- Certification: CE、FCC、RoHs、IC

# Fiber Solution



Each = 8 Ethernet ports

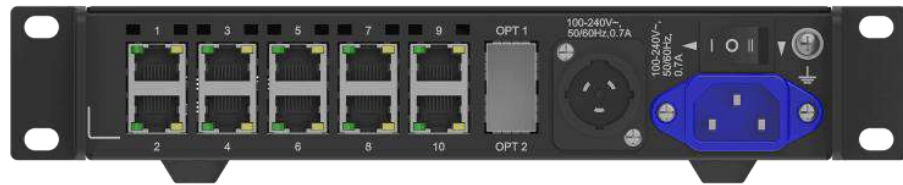
# Fiber Solution



Each = 8 Ethernet ports

# CVT 10

Fiber Converter



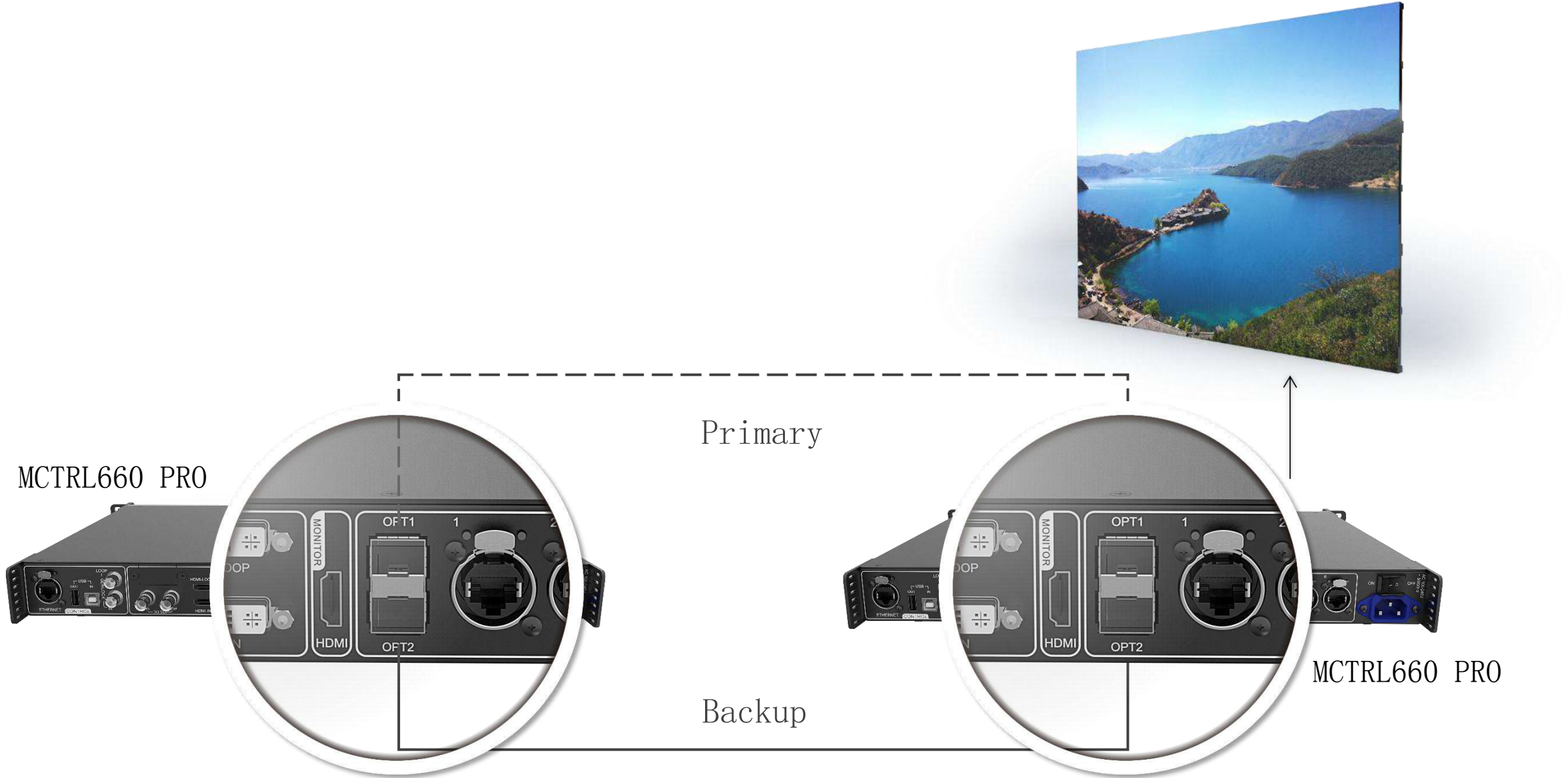
- 10-channel Neutrik Ethernet ports, bandwidth of each up to 1 Gbit/s
- 1 Optic ports for main, 1 optic ports for backup, 10GB/S
- CVT10-M:Transmission distance up to 300m
- CVT10-S:Transmission distance up to 10km
- Certification: CE、FCC、RoHs、IC

# MCTRL660 PRO



- 10-bit/12-bit 4:4:4 ultra-high color depths and resolutions up to 1920×1080@60Hz.
- Low latency of less than 1 frame ( $\leq 32$  lines)
- Web control
- Image flipping
- Dual working modes: working as sending card and fiber converter
- Pixel level brightness and chroma calibration
- Independent Gamma adjustment of RGB
- Monitoring of inputs
- One click to back up and recover configurations
- Multiple MCTRL660 PRO units can be cascaded

# Fiber solution



MCTRL660 PRO

Primary

Backup

MCTRL660 PRO



# How to Select the Fiber?



# 1. 25G Converter

CVT310



Multi-mode dual-core optical fiber

CVT320



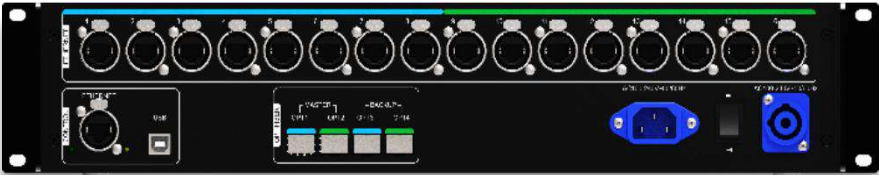
Single-mode dual-core optical fiber

# 10G Converter

MCTRL660 PRO



CVT 4K



CVT10



MCTRL4K



# 10G Converter

Mode	Transmission Distance	Recommend Fiber	wire Diameter	Single/dual core	Interface Type	Insert loss	Return Loss
Single Mode	10KM	OS1/OS2	9/125um	Single mode dual core	LC	$\leq 0.3\text{db}$	$\geq 45\text{db}$
Multi-mode	300M	OS3/OS4	50/125um	Multi-mode dual core	LC	$\leq 0.2\text{db}$	$\geq 45\text{db}$

THANK YOU  
**NOVA STAR**  
FOR YOUR TIME