

ZHFHT4014

HD-TVI To Fiber Converter

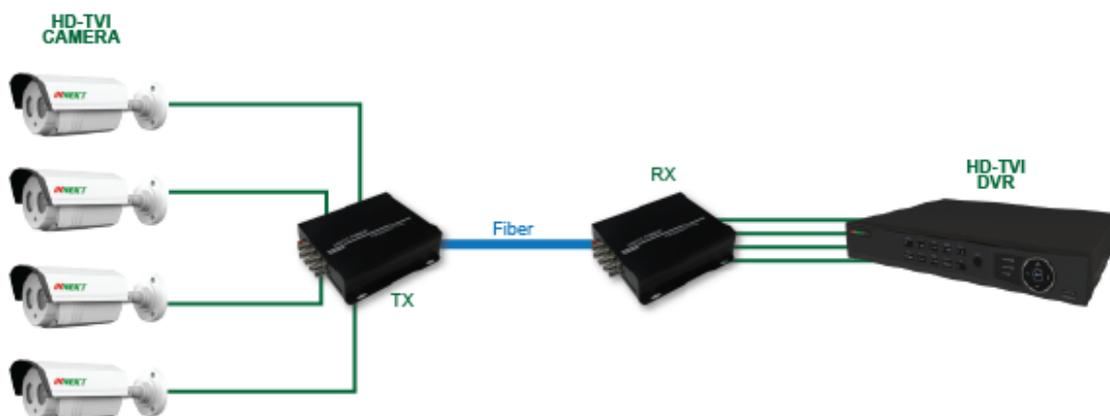


The ZHFHT4014 video optical converter can simultaneously transmit 1-8 channels HD TVI signal over one multimode or single-mode optical fiber. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment. Compatible with 720p/50、720p/60、1080p/25、1080p/30. Lossless non-compression real time transmission.

Features

- Using the latest source / photoelectric conversion technology, coaxial HD hybrid transmission technology;
- Support HD-TVI signal;
- Support 1280H and 1920H HD video format;
- All interface uses three levels of anti-static, lightning protection;
- Ultra wide dynamic range and advanced adaptive optics technology, the transmission distance can reach 40KM;
- Surface mount device, ensure that the product has the advantages of small volume, high stability, high reliability;
- Electromagnetic interference low - (EMI), radio frequency interference (RFI) and common ground loop interference;
- Rich LED indicating lamp, diagnostic indication;
- Plug and play, support hot plug;
- Advanced - small size, low power consumption, strong anti-interference ability, fidelity advantages;
- Industrial grade ultra wide temperature range (-40 to +85 DEG C), to adapt more environment;
- Support HOSHI brand HS-6600 series HD mixed matrix access platform;
- Compatible with all domestic brand coaxial HD cameras, hard disk recorders and other products of coaxial HD;
- Aluminum alloy / iron clad shell wall hanging type, 1U, 2U, 4U HD optical machine chassis;

Application



Technical specifications

Optical	
Wavelength	1310nm&1550nm
Output Power	-8~3dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-25dBm
Optical connector	FC,ST,SC (optional)
Distance	0~500m (multi mode) / 0~20Km (Single mode)
Video	
Number of Channels	1~8
Input/output impedance	BNC 75Ω OHM(unbalance)
Standard video input/output voltage	1.0Vp-p
Video Bandwidth	45MHz
Sampling Bandwidth	10bit
Sampling Frequency	108MHz
Rise and Fall time	<0.8ns
Optical Signal Intrinsic Jitter	<0.2 UI
Differential Gain	< ±1.5%
Differential Phase	< ±1°
Connector	BNC
Other	
Power	DC5V 2A
Power Consumption	Less than or equal ≤6W
Temperature	-40°C ~75°C
Humidity	10%~90% RH
Unit Weight	1~2ch:1.1kg, 4ch:1.8KG, 8ch:2.15KG(pair)
Dimension	1~2ch:108mm×106mm×27mm 4ch:173mm×173mm×30mm 8ch:173mm×167mm×45mm
Installation	Desktop/Wall mount
MTBF	Greater than or equal ≥ 100000Hours