

## Optical Video Transmitter and Receiver

1ch  $\uparrow$  WT/R AHD/TVI/CVI optical video transmitter and receiver transmits 1ch AHD/HDTV/ HDCVI video signals on optical fiber .It is designed to transmit AHD/HDTV/ HDCVI high-definition composite video for long-distance. 720P, 960P, 1080P and other video signals are adaptive. It achieves high-definition video transmission without delay and compression, with high reliability .Data, contact closure, audio and other signals are optional.

- Robust metal casing
- Lightning-proof solution
- Low optical link loss – max 30dB
- Without EMI, RFI and ground loop
- Bi-di transmission on 1 fiber with WDM
- Hot plug-and-play with switch power supply
- Available in standalone and 3U rack systems



Optical	Wavelength	1310nm/1550nm
	Output Power	-8~3dBm
	Optic fiber	Single mode:20Km/40km, multimode:550m
	Receiving sensitivity	-30dBm
	Interface	FC standard, ST/SC optional
Video	Channel Quantity	1ch, from camera to control center
	Video Input /Output Amplitude	typical 1Vpp (peak-to-peak), peak 1.2Vpp
	Video Input Impedance	BNC 75 $\Omega$ (unbalanced)
	Digital Sampling	64MHZ
	Digital Bandwidth	512MHZ
	Differential Gain Phase	10%-90% APL DG<1% (typical)
	Video Bit Width	8 bit
	S/N ratio	>70dB
	Interface	BNC
Electrical. Environmental. Mechanical	Operating voltage	DC 5V1A
	Operating temperature	-20°C to +70°C
	Storage temperature	-45°C to +85°C
	Humidity	0~95%non-condensing
	Dimension-standalone	120mm $\times$ 105mm $\times$ 28mm
	Weight	0.30kg/piece