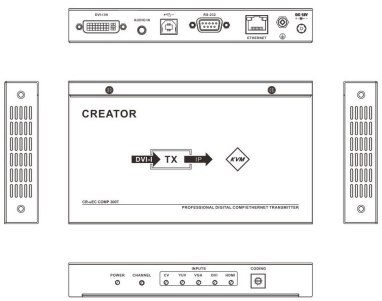
CR-uEC COMP 300T

ANY series COMP transmittter

CR-uEC COMP 300T



Size（mm）:
180（L）X105（W）X25（H）

Product overview

The CR-uSF COMP 300T is a single-core multi-mode fiber optic transmitter that support multiple formats. It can convert CV, YPbPr, VGA, DVI, HDMI video signals and Audio signal into fiber optic signal, and then transmit to far end. It can work with matrix switchers, and support RS-232, pass-through IR signal, and USB mouse and keyboard signals.
This product is mainly applied in TV and Broadcasting projects, multi-media meeting halls, big display projects, TV education, and command centers, etc.

Features

- Support single-core multi-mode transmission of CV, YPbPr, VGA, DVI, and HDMI signals.
- Support HDMI-Monitor monitoring video output function.
- Support synchronized transmission of audio, IR, and RS-232 signals.
- Transmission distance up to 300 meters.
- Support KVM function, which can transmit USB mouse and keyboard signals.

Specifications

The parameter name		CR-uEC COMP 300T
HDMI video input	Supported protocol	DVI1.0,HDMI1.3a,HDCP1.3
	Pixel bandwidth	165MHz , full-digital
	Interface bandwidth	6.75Gbps(each color 2.25Gbps)
	Maximally supported resolution	PC 1920x1200@60 24bit color depth HDTV 1920x1080P@60 36bit color depth
	Clock Jitter	<0.15 Tbit
	Rise Time	<0.3Tbit (20%--80%)
	Fall Time	<0.3Tbit (20%--80%)
	Signal types	DVI-D/HDMIFull-digital T.M.D.S. in DVI 1.0/ HDMI 1.3a standards
	Interface	DVI-I Interface
	Signal strength	T.M.D.S. 3.3V pp
	Min/Max level	T.M.D.S. 2.9V/3.3V
	Impendance	50Ω
	Input EDID	System default EDID
	Max DC bias error	+/-15mV
	Recommended max input distance	Less than 10 meters for 1920*1080@60 (certified special purpose cables are recommended, such as Molex TM)

Specifications

The parameter name		CR-uEC COMP 300T		
DVI video input	Supported Protocol	DVI1.0		
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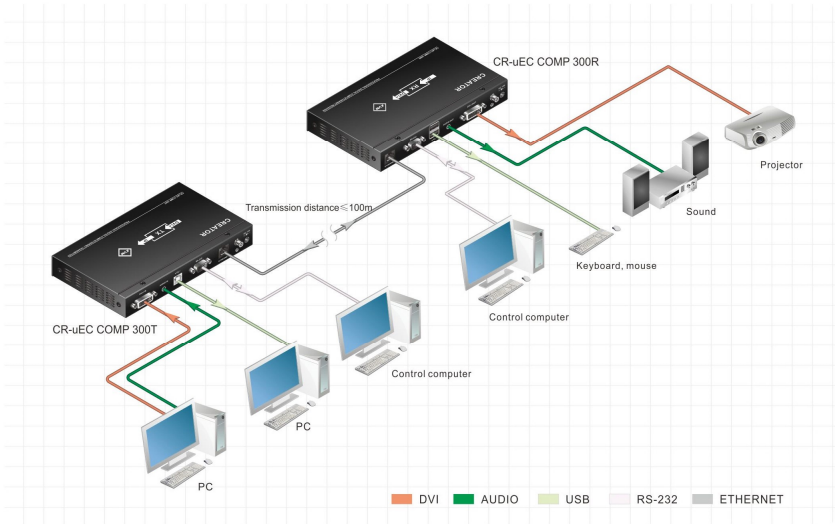
	Rise time	<0.3Tbit (20%--80%)		
	Fall time	<0.3Tbit (20%--80%)		
	Signal types	Full-digital T.M.D.S.		
	Interface	DVI-I interface		
	Signal strength	T.M.D.S. 3.3V pp		
	Min/Max level	T.M.D.S. 2.9V/3.3V		
	Impendance	50Ω		
	Input EDID	System default EDID		
	Max DC bias error	+/-15mV		
	Recommended max input distance	Less than 10 meters for 1920*1080@60(certified special purpose cables are recommended, such as Molex TM)		
Component video input	Interface	DVI-I interface		
	Signal types	Composite video	YPbPr	VGA video
	Gain	0dB	0dB	0dB
	Bandwidth	150MHz @ -3dB	350MHz @ -3dB	380 MHz
	Differential phase error	0.1%, 3.58-4.43 MHz	0.1%, 3.58-4.43 MHz	
	Differential gain error time	0.1%, 3.58-4.43 MHz	0.1%, 3.58-4.43 MHz	
	Signal strength	1Vpp :Composite Video(CVBS)	1Vpp :Composite Video(CVBS)	0.63Vpp to 0.9Vpp
	Min/Max level	Analog Signal: -2V/+2V	Analog Signal: -2V/+2V	RGB Signal:0V/1.0V HV Signal:0V/5.0V
	Input impedance	75 Ω	75 Ω	75 Ω
	Return loss	<-30dB@5MHz	<-30dB@5MHz	<-30dB@5MHz
Audio input signal	Interface	3.5mm stereo audio jacket		
	Gain	0 dB		
	Frequency response	20Hz~20KHz		
	T.M.D.S + Noise	0.01% @ 1 kHz (under rated voltage)		
	S/N	>80dB at Vin=0 V		
	Stereo separation	>80dB @ 1 ac		
	CMRR	>75dB @: Hz ~ 20 kHz		
	Signal types	Stereo		
	Impedance	Input: >10 kΩ Output: 50Ω		
	Max input level	3Vpp		
	Gain error	±0.1dB @20 Hz ~ 20 kHz		
Output	Internet output interface	RJ-45		
	Internet transmission	Maximally 100 meters distance with single Cat5e/Cat6 cable		
	Transimission delay	Within 70ms for network cable direct connection		

Specifications

	The parameter name	CR-uEC COMP 300T
USB	Interface	B type female interface
	Signal types	USB signal
	Protocol	USB1.1
Specifications	Power	Power adaptor, 12VDC/2V
	Max power consumption	8W
	Temperature	Storage & Application Temperature: -20℃ ~+70℃
	Humidity	Storage & Application Humidity:10% ~90%
	Average malfunction interval	30,000 hours
	Warranty	1 year free repair

System connection diagram



CR-uEC COMP 300R

ANY series COMPONENT receiver

Product overview

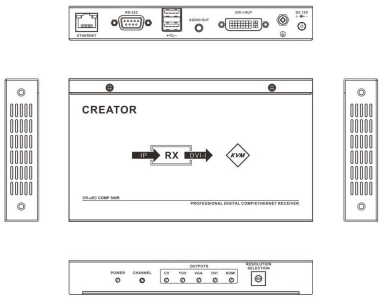
The CR-uEC COMP 300R is a network transmitter that can support multiple video signals of multiple formats. It can convert the CV/YPbPr/VGA/DVI/HDMI video signals and analog audio signals to network signal and transmit to far end. The USB mouse and keyboard signals are also supported.

This product is mainly applied in TV and Broadcasting projects, multi-media meeting halls, big display projects, TV education, and command centers, etc.

CR-uEC COMP 300R

Features

- Support transmitting CV, YPbPr, VGA, DVI,HDMI signals over CAT5e/CAT6 cable.
- Support transmitting analog audio signal.
- 100 meters transmission distance.
- Support KVM function: can transmit USB mouse and keyboard signals.



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180(L)X105(W)X25(H)

Specifications

	The parameter name	CR-uEC COMP 300R
HDMI video output	Supported protocol	DVI1.0,HDMI1.3a,HDCP1.3
	Pixel bandwidth	165MHz , full-digital
	Interface bandwidth	6.75Gbps(each color 2.25Gbps)
	Maximally supported resolution	PC 1920x1200@60 24bit color depth HDTV 1920x1080P@60 36bit color depth
	Clock Jitter	<0.15 Tbit
	Rise Time	<0.3Tbit (20%--80%)
	Fall Time	<0.3Tbit (20%--80%)
	Signal types	DVI-D/HDMIFull-digital T.M.D.S. in DVI 1.0/ HDMI 1.3a standards
	Interface	DVI-I Interface
	Signal strength	T.M.D.S. 3.3V pp
	Min/Max level	T.M.D.S. 2.9V/3.3V
	Impendance	50Ω
	Input EDID	System default EDID
	Max DC bias error	+/-15mV
	Recommended max input distance	Less than 10 meters for 1920*1080@60 (certified special purpose cables are recommended, such as Molex TM)

Specifications

The parameter name		CR-uEC COMP 300R		
DVI video output	Supported Protocol	DVI1.0		
	Pixel bandwidth	165MHz , full-digital		
	Interface bandwidth	6.75Gbps(each color 2.25Gbps)		
	Maximally supported resolution	PC 1920x1200@60 24bit color depth HDTV 1920x1080P@60 36bit color depth		
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	Signal types	Full-digital T.M.D.S.		
	Interface	DVI-I interface		
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	Min/Max level	T.M.D.S. 2.9V/3.3V		
	Impendance	50Ω		
	Input EDID	System default EDID		
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	Recommended max input distance	Less than 10 meters for 1920*1080@60(certified special purpose cables are recommended, such as Molex TM)		
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	Signal types	Composite video	YPbPr	VGA video
	Gain	0dB	0dB	0dB
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	Differential phase error	0.1%, 3.58-4.43 MHz	0.1%, 3.58-4.43 MHz	
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	Input impedance	75 Ω	75 Ω	75 Ω
	Return loss	<-30dB@5MHz	<-30dB@5MHz	<-30dB@5MHz
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	Gain	0 dB		
	Frequency response	20Hz~20KHz		
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Input	Internet output interface	RJ-45		
	Internet transmission	Maximally 100 meters distance with single Cat5e/Cat6 cable		
	Transimission delay	Within 70ms for network cable direct connection		

Specifications

The parameter name		CR-uEC COMP 300R
USB	Interface	A type female interface
	Signal types	USB signal
	Protocol	USB1.1
Specifications	Power	Power adaptor, 12VDC/2V
	Max power consumption	8W
	Temperature	Storage & Application Temperature: -20℃ ~+70℃
	Humidity	Storage & Application Humidity:10% ~90%
	Average malfunction interval	30,000 hours
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