



# VDH-100 VGA Fiber Transceiver/Converter 10-bit Digital Un-compressed Coding

Access Technologies ... FTTX, IP Digital Surveillance Networking



## VDH-100

VGA Fiber Transceiver / Converter  
10-bit Digital Un-compressed Coding



### ORDERING INFORMATION

PART NUMBER	Tx/Rx	Package	Connector
VDH-100	<b>T: Transmitter</b>	S: Stand-Alone	S: SC
	<b>R: receiver</b>	R: 19'-1U	F: FC
		U: 19"-4U	T: ST

### PRODUC DESCRIPTION

The VDH-100 Fiber Optic video converter directly connect VGA computer for signal transmission over Fiber Optic cable at resolutions up to 1600x1200 (UXGA) with quality bright and sharp images.

The transmission distance can be up to 60 km on single-mode fiber.

The VDH-100 will smear off the video signal degradation at extended lengths. The optical fiber secures the integrity of signal due to its immunity to electrical interference and cross talk. The lightweight and small diameter fiber reduces installation time, particularly since only 1 fiber is needed. Fiber optic cable also has certain intrinsic benefits for installation success including resistance to electromagnetic interference (EMI), lightning, and the elimination of ground loops through electrical isolation.

The VDH-100 Series includes the VDH-100T Transmitter and VDH-100R Receiver, both with a 15 pin HD female connector.

### KEY FEATURES

- Converting analog/digital VGA signals into digital/analog over optical fiber over 4km
- 10-bit digital video coding and un-compressed transmission technology
- DVI or HDMI ports selectable
- Plug and Play
- Applying to Industrial Monitoring or big screen live demonstration on remote and long distance
- LED indications for status such as power link and Monitoring system performances
- Low Power Consumption



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### SPECIFICATIONS

<b>Model Name</b>	<b>VDH-100</b>
<b>Channel Number</b>	1
<b>Video Spec</b>	RGB, synchronized on H and V
<b>Voltage I/O</b>	1Vp-p / 1Vp-p
<b>Bandwidth @ 3 dB down</b>	300 MHz
<b>Digital Coding</b>	10-bit, un-compressed
<b>Resolutions</b>	VGA 640x480 60、70、75、85Hz SVGA 800x600 60、70、75、85Hz XGA 1024x768 60、70、75、85Hz SXGA 1280x1024 60、70、75、85Hz UXGA 1600x1200 60Hz
<b>Video- RGB Port</b>	HD-15 (DVI、HDMI selectable)
<b>Power Consumption</b>	5W
<b>Power supply</b>	220VAC to 12VDC/1A
<b>Operating Temp/ Humidity</b>	-40°C to +70°C / < 95% (non condensed)
<b>Dimension (mm)</b>	184L x 140W x 45H, Stand-Alone
<b>Package Type</b>	Stand-Alone; Chassis (R-19"1U or U-19"4U);
<b>Weight (kg)</b>	2.0 kg, Stand-Alone
<b>Optical Power Budget</b>	12dB (more budget can be specified)
<b>Optical Output Power</b>	-5 ~ -12dBm
<b>Optical Connecting Port</b>	SC (ST, FC can be specified)
<b>Optical Wavelength</b>	1310nm or 1550nm
<b>Optical Sensitivity</b>	-24dBm, (Receiving end)
<b>Fiber Number</b>	1
<b>Max Transmission Distance</b>	1 km over Multimode Fiber; 20/40/60km over Singlemode Fiber
<b>Certificate</b>	FCC-Class B, CE

