

User Manual for 1 Channel Full HD VGA Converter

Valid for FVC-HDVGA

FEATURES

- ◆ One channel VGA transmitted on four cores fiber, no compressed, no delay
- ◆ Support VESA standard resolution
- ◆ VGA loop through
- ◆ Receiver with VGA and DVI output connectors
- ◆ Signal bandwidth, 4.95 Gbps (max.)
- ◆ Max resolution, 1920 x 1200 @ 60 Hz
- ◆ Support SM fiber and MM fiber transmission (quote for specific fiber type)
- ◆ Transmission distance up to 10 Km at SM, and 1 Km at MM
- ◆ SFP hot pluggable, flexibly select SFP transceiver according to different transmission distance



TYPICAL APPLICATIONS

- ◆ Multi-media system, super screen surveillance, super marked-mall

DESCRIPTION

VGA transmission device adopt the advanced digital technology and transforms the signal into digital format. Firstly, the analogue signal is transformed into a digital format, and then it is changed to an optical signal in SFP transceiver in the way "electronic-opto", to be transmitted on fiber.

The receiver transforms the optical signal into a digital format and then into an analogue VGA signals. The device can support the formats of VGA, SVGA, XGA, SXGA and UXGA.

VGA converter has SM and MM series. VGA transmitter works with VGA receiver in pairs. The VGA transmitter has loop through which offers a connection to a local monitor. A 4 x LC fiber connector on transmitter individual transmit R, G, B, CK signals. A 4 x LC connector at the receiver individually receives the R, G, B and CK signal. The receiver has 1 x VGA output and 1 x DVI output, and both can work at the same time. The fiber connection between transmitter and receiver, the R, G, B and CK fibers cannot be intercrossed, and in case of the transmission will be faulty.

SPECIFICATIONS

Transmitter performance	
Input interface	1-channel HD15F (VGA)
Local loop through	1-channel HD15F (VGA)
Fiber connector	4 x LC (R, G, B, CK)
Type of fiber	SM (1310 nm), MM (850 nm)
Supply Voltage by SMPS adapter	5 Vdc
Current consumption	0.6 A
Receiver performance	
Output interface	1-channel HD15F (VGA), 1-channel DVI
Fiber connector	4 x LC (R, G, B, CK)
Type of fiber	SM (1310 nm) or MM (850 nm)
Supports display format	VGA, XGA, SXGA, UXGA
Supply voltage by SMPS adapter	5 Vdc
Current consumption	0.6 A
Common data	
Enclosure size, L x B x H in mm	183 x 154 x 30
Weight	
Environmental conditions	-20 to 70 Degree C., max. 95 % RH NC

CAUTION! Invisible laser radiation, "laser class 3A"

NOTE:

- All specifications to be changed without notice.
- We make a reservation for any possible and unintended fault in the above text. In any matter of dispute, kindly contact VIDATRONIC for further information.

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VIDATRONIC ApS, ENGBLOMSTVEJ 24, DK-2670 GREVE, DENMARK
 TEL.: +45 4390 0115, FAX: +45 4390 9229, SKYPE: j.sauerberg
 E-Mail: info@vidatronic.dk Web: www.vidatronic.dk

2802-00017

