



Component video to 1-fiber DVI converter



User Manual *CNDF-200*

Manual Contents

Manual Contents	1-0
Welcome! Product Description	1-1
System Requirements for Setup	1-2
Installation	1-3
Troubleshooting, Maintenance, Technical Support	1-5
Product Specifications	1-6
Warranty Information	1-7

Pictorials

Figure 1 – Connection Diagram of CNDF-200	1-4
---	-----

Welcome!

Congratulations on your purchase of the Component video to 1-fiber DVI converter, **CNDF-200**. This manual contains information that will assist you in installing and operating the product.

Product Description

The **CNDF-200**, Component video to 1-fiber DVI converter receives Component video up to 1080p (1920x1080), 60Hz signal and converts to optical signal and transmits up to transmits 500 meters (1,640feet) over one (1) SC multi-mode fibers. OPTICIS 1-fiber DVI receiver, DVFX-100-R is used as a pair to recover 1 fiber DVI to electrical DVI.

Shipping Group

- CNDF-200, Component video to 1-fiber DVI converter:**
 - One (1) unit
- AC/DC power adapter:** One (1) unit of +5V, 3A (Locking type)
- User Manual**
- Option Product:** Mounting bracket

System Requirements for Setup

- Hardware requirements**
 - You must have Component video sources such as DVD player or camcorder.
 - No special requirements for video sources

Installation

Important: Please keep the installation procedure below. Improper or no operation may result if the start-up sequence is not correctly followed.

Step 1

Carefully unpack the contents of the shipping group.

Step 2

Plug and fasten the 5V power adapters to the **+5V DC** jack on the rear side of converter. Ensure the Power LED is ON (Blue).

Step 3

Connect the Component video source to CNDF-200 over 3 RCA cable. Please make sure the firm connections between **Y to Y IN, Pb to Pb IN and Pr to Pr IN**. If the Component video source is active, status LED (Blue) will be turned on.

Step 4

Connect the **OPTICAL OUT** to 1-fibe DVI receiver, DVFX-100-R over multi-mode SC-SC optical fiber.

Step 5

Plug DVFX-100-R to DVI input port of display.

Step 6

If you need on-site monitoring, connect **Y OUT, Pb OUT and Pr OUT** on the front side of converter to Component video input port of local display over 3 RCA cable.

Note1: The maximum extension length by multi-mode fiber is 500 meters.

Note2: It is recommended NOT to use any intermediate cable or adapter in between to avoid undesirable performance degradation.

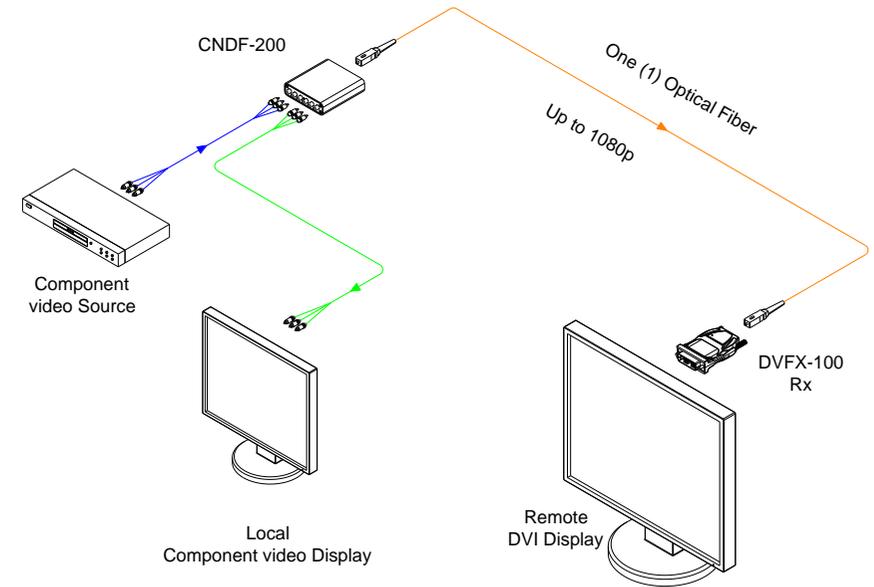


Figure 1 – Connection Diagram of CNDF-200

Troubleshooting

The display shows black screen.

- Ensure that all plugs and jacks used by external power supplies (both Opticis and others) are firmly connected. Ensure that the Power and status LEDs are ON.
- Ensure that the video ports are firmly plugged into the source and display.
- Ensure that the converter and receiver modules are plugged correctly to the source and display, respectively.
- Check if the source and display are powered on and properly booted.

Screen is distorted or displays noises.

- Check if the graphic resolution is properly set. Go to the display properties of Windows and tap the settings.
- Ensure that the resolution sets less than 1080p (1920x1080) at 60Hz refresh ratio.
- Reset the system. Disconnect and reconnect the optical fiber or 5V power adapters.

Maintenance

No special maintenance is required for the converter and power adapters. Ensure that the converter and power adapters are stored or used in a benign environment free from liquid or dirt contamination.

There are no user serviceable parts. Refer all service and repair issues to Opticis.

Technical Support and Service

For commercial or general product support, contact your reseller. For technical service, contact Opticis by email techsupp@opticis.com or visit its website at www.opticis.com

Product Specifications

CNDF-200, Component video to 1-fiber DVI converter

- **Extension limit:** 500 meters (1,640 feet) for 1080p (1920x1080), 60Hz refresh rate.
- **Graphic transmission bandwidth:** Supports up to 1080p (1920x1080), 60Hz, or 1.485Gbps bandwidth per graphic channel.
- **Supporting resolution:**
480i, 576i, 480p, 576p, 720p, 1080i, 1080p
- **Fiber-optic connection:** CNDF-200 has one (1) SC receptacles so as to be connected with one (1) SC multi-mode fiber, having 62.5 (50) / 125µm core.
- **Dimensions (WDH):** 104 x 112 x 28mm
- **Environmental Specifications**
 - Operating temperature: 0°C to 50°C
 - Storage temperature: - 30°C to 70°C
 - Humidity: 10% to 85%

AC/DC Power Adapter

- **Power Input:** AC 100-240V, 50/60Hz 0.1A
- **Power Output:** +5 V, 3A SMPS DC-power Adapter
- **Cord DC Jack:** Core is 5 V and outer is GND.

Warranty Information

1 (One) Year Warranty

Opticis warrants this **CNDF-200** to be free from defects in workmanship and materials, under normal use and service, for a period of one (1) year from the date of purchase from Opticis or its authorized resellers.

If a product does not work as warranted during the applicable warranty period, Opticis shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of Opticis.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

Opticis shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to Opticis for repair under warranty or not.

Warranty Limitation and Exclusion

Opticis shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by Opticis or its authorized agents, causes other than from ordinary use or failure to properly use the product in the application for which said product is intended.

Dispose of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with separate systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

1-7 Warranty Information

Opticis Locations

OPTICIS HQ

Opticis Co., Ltd.
3F, 305, Sanseong-daero
Sujeong-gu, Seongnam-si
Gyeonggi-do, 13354
South Korea
Tel: +82 (31) 719-8033
Fax: +82 (31) 719-8032
www.opticis.com

For order support, please contact your Distributor or Reseller.

For technical support, check with the Opticis web site www.opticis.com or contact techsupp@opticis.com