# DVI SPLITTER

**SMART VIEW INTELLIGENT**

(DS-912F)
1 In 2 Out

(DS-914F)
1 In 4 Out

# USER MANUAL
V1.0
# DS-912F / DS-914F

## Package Contents-
- 1 Smart View DS-912F or DS-914F
- 1 user manual
- 1 power adapter DC 12V 600mA for DS-912F, DC 12V 1.25A for DS-914F
- 2 rack rails, 8 screws for DS-914F only

Any thing missed, please contact with your vendor.

## Introduction

Through the DVI (Digital Visual Interface) splitter DS-912F, DS-914F, you can use one PC to display identical image on 2,4,8 monitors or even more.

DVI splitter is ideal for:
- Test bench facilities
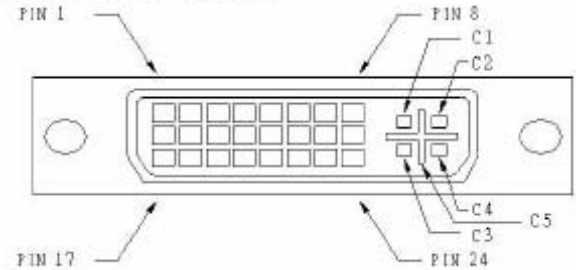- Data Center
- Help desks

## Features
- Use PanelLink digital technology.
- Supports high-resolution display up to UXGA (25-165MHz).
- Can be cascaded.
- Compliant with the specification of DVI 1.0.
- Supports DVI-I Single Link.
- 1U rack design for DS-914F

## Specifications

| Function | DS-912F | DS-914F |
|---|---|---|
| Video Input Connector (DVI Female) | | 1 |
| Video Output Connector (DVI Female) | 2 | 4 |
| Max. Resolution | 1600x1200 60Hz | |
| Cable Distance (Device to Monitor) | 10 m (Max.) | |
| Signal Type | Standard DVI | |
| Power Adapter (Min.) | DC 12V 600mA | DC 12V 1.25A |
| Housing | Metal | |
| Weight | 490 g | 985 g |
| Dimensions (LxWxH) mm | 153x76x46 | 269x105x46 |

## Technical Specifications
## Input/Output Signal

| Pin # | Signal | Pin # | Signal |
|---|---|---|---|
| 1 | T.M.D.S Data 2- | 16 | Hot Plug Detect |
| 2 | T.M.D.S Data 2+ | 17 | T.M.D.S Data 0- |
| 3 | T.M.D.S Data 2/4 Shield | 18 | T.M.D.S Data 0+ |
| 4 | T.M.D.S Data 4- | 19 | T.M.D.S Data 0/5 Shield |
| 5 | T.M.D.S Data 4+ | 20 | T.M.D.S Data 5- |
| 6 | DDC Clock | 21 | T.M.D.S Data 5+ |
| 7 | DDC Data | 22 | T.M.D.S Clock Shield |
| 8 | Analog Vert. Sync | 23 | T.M.D.S Clock+ |
| 9 | T.M.D.S Data 1- | 24 | T.M.D.S Clock- |
| 10 | T.M.D.S Data 1+ | | |
| 11 | T.M.D.S Data 1/3 Shield | C1 | Analog Red |
| 12 | T.M.D.S Data 3- | C2 | Analog Green |
| 13 | T.M.D.S Data 3+ | C3 | Analog Blue |
| 14 | +5V Power | C4 | Analog Horz Sync |
| 15 | GND | C5 | Analog Ground |

## FRONT VIEW

1. Power LED

## REAR VIEW

1. Input Power Jack
2. "DVI In" Port
3. "DVI Out" Port
*There are 2/4/8 out ports for DS-912F / DS-914F / DS-918F.

# Installation

1. Turn off the PC and monitors.
2. Connect the DVI male extension cable between the PC and the "DVI in" port of splitter.
3. Connect the DVI male/female extension cables between the monitors and the "DVI out" ports of splitter.
4. Connect the power cord and turn on the splitter.
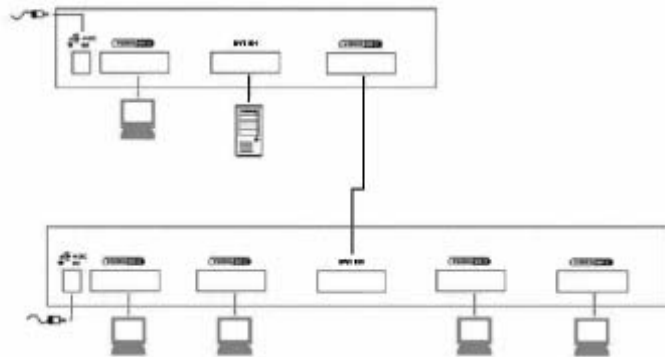5. Turn on the PC and monitors.

**Note:**
▪ If you install the DDC monitor for the splitter, the rest of monitors must be the same resolution as the DDC monitor.

# Operation for cascade:

1. The function to display identical image on more monitors, you request to attach another splitter.
2. Connect the DVI male/female extension cable between the former splitter of the "DVI out 1" port and the latter splitter of the "DVI in" port.

**Note:**
Even though you are allowed to cascade the splitter with varied ports, the image might become unstable if cascade too many tiers of splitter.



P.S.: The example cascades the 2 and 4 ports splitters; however, you can cascade the DVI Splitter with demanded Port.

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