

DVI Distribution Amplifier



(DS-912F)
1 In 2 Out



(DS-914F)
1 In 4 Out



(DS-918F)
1 In 8 Out

USER MANUAL DS-912F / DS-914F / DS-918F

V1.0

Package Contents-

- 1 AVLINK DS-912F or DS-914F or DS-918F DVI Distribution Amplifier
 - 1 user manual
 - 1 power adapter DC 12V 600mA for DS-912F, DC 12V 1.25A for DS-914F or 1 AC power cord for DS-918F
 - 2 rack rails, 8 screws for DS-914F only
 - 2 rack rails, 6 screws for DS-918F only
- Any thing missed, please contact with your vendor.

Introduction

Through the DVI (Digital Visual Interface) Distribution Amplifier DS-912F, DS-914F, DS-918F you can use one PC to display identical image on 2,4,8 monitors or even more.

DVI Distribution Amplifier is ideal for:

- Test bench facilities
- Data Center
- Help desks

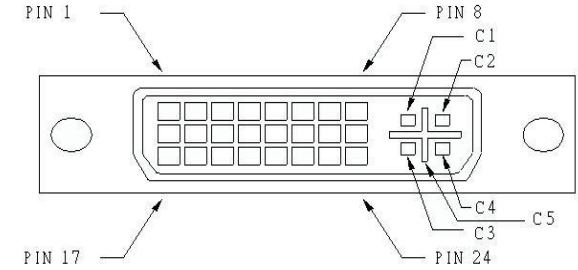
Features

- Use Panellink digital technology.
- Supports high-resolution display up to UXGA (25-165MHz).
- Can be cascaded.
- Compliant with the specification of DVI 1.0.
- Support DVI-I Single Link.
- 1U rack design for DS-914F, DS-918F.

Specifications

Function	DS-912F	DS-914F	DS-918F
Video Input Connector (DVI Female)	1		
Video Output Connector (DVI Female)	2	4	8
Max. Resolution	1600x1200 60Hz		
Cable Distance (Device to Monitor)	10 m (Max.)		
Signal Type	Standard DVI Signal		
Power Adapter (Min.)	DC 12V 600mA	DC 12V 1.25A	AC 100~240V
Housing	Metal		
Weight	490 g	985 g	2530 g
Dimensions (LxWxH) mm	130x76x46	269x105x46	440x185x45

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



- Power LED

REAR VIEW



- Input Power Jack
- "DVI In" Port
- "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 Distribution Amplifier.
3. Connect the DVI male/female extension cables between the monitors and the “DVI out” ports of Distribution Amplifier.
4. Connect the power cord and turn on the Distribution Amplifier.
5. Turn on the PC and monitors.

Note:

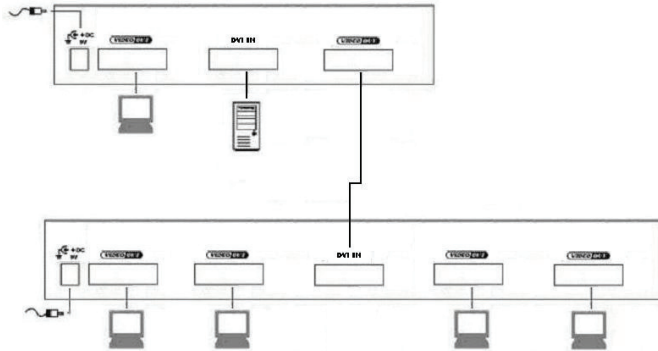
- If you install the DDC monitor for the Distribution Amplifier, the rest of monitors must be the same resolution as the DDC monitor.

Operation for cascade:

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

Note:

Even though you are allowed to cascade the Distribution Amplifier with varied ports, the image might become unstable if cascade too many tiers of Distribution Amplifier.



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

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