

DisplayPort Repeater

PRODUCT BRIEF

The Fresh Digit DisplayPort Repeater is a simple and low-cost solution to extend the DisplayPort cable distance.

The repeater was designed and optimized for 24 and 28 AWG DisplayPort cables with capability of extending the distance between the PC and monitor up to 17.5 meters (24 AWG) and 10 meters (28 AWG) while running at 3840 x 2160(4K) resolution and 60Hz refresh rate.

KEY FEATURES

- ❖ Extends the distance up to 17.5 meters with 24 AWG cables in a 10m+7.5m combination for a maximum resolution 3840x2160 (4K) at 60Hz refresh rate.
- ❖ Extends the distance up to 10 meters with 28 AWG cables in a 5m+5m combination for a maximum resolution 3840x2160 (4K) at 60Hz refresh rate.
- ❖ Supports total 21.6Gbps data bandwidth.
- ❖ Supports both video and audio signals
- ❖ Complies with DisplayPort v1.2 standard for DPCP (DisplayPort Content Protection).
- ❖ Backwards compatible with previous versions of DisplayPort cables.
- ❖ Low power consumption ~1 Watt.
- ❖ In-line connection with 2 standard female ports.
- ❖ Secure cable connectors with locking mechanism for each port.
- ❖ Compact size.

Please note: This product does not support DP++ active HDMI/ZDCI/VGA graphic adapters



DisplayPort 1.2 Repeater

DP12RP-24
DP12RP-28



www.freshdigit.com

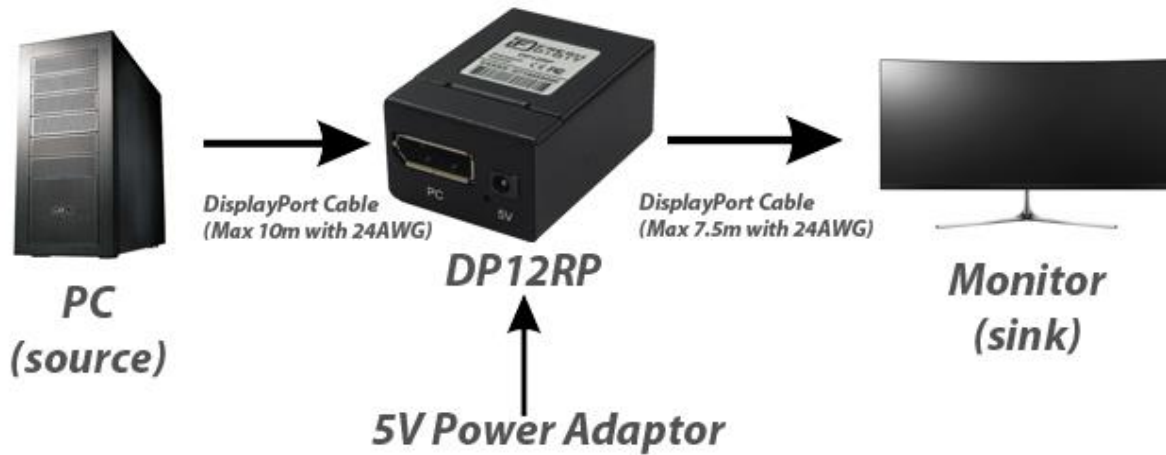
info@freshdigit.com

Tel: 949-204-0288

Fax: 949-296-0931

DP12RP DisplayPort Repeater

TYPICAL SET UP DIAGRAM



TECHNICAL SPECIFICATIONS

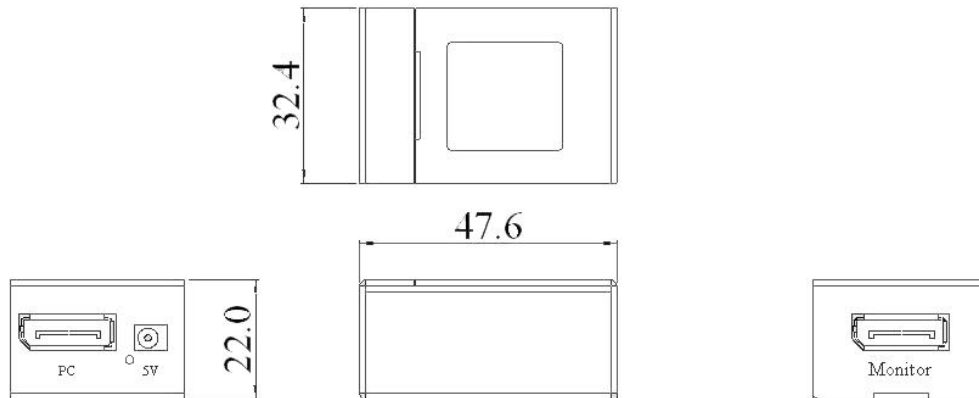
DP12RP-24 Max Length with 24AWG cables	PC side	10m or 33ft
	Monitor side	7.5m or 25ft
DP12RP-28 Max Length with 28AWG cables	PC side	10m or 33ft
	Monitor side	7.5m or 25ft
Max Resolution	3840x2160, 60Hz	
Max Video Bandwidth	21.6 Gbps	
HDCP Compliant	Yes	
Operating Voltage	DC 5V	
Electrical Power Consumption	0.211A@ 5V	
Operating Temperature	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 75°C	
Dimensions (L x W x H)	47 x 32 x 22mm or 1.85 x 1.26 x 0.87 inch	
Weight	58g	

Power Adaptor

Input	100~240VAC (US/EU/BS/AU Plug is optional)
Output	DC 5V
DC Jack	Inside 5V / Outside Ground

DP12RP DisplayPort Repeater

MECHANICAL INFORMATION (mm)



ORDERING INFORMATION

Ordering Part #	Description	Items included
DP12RP-24	DisplayPort 1.2 repeater for 24 AWG cables	(1x) DisplayPort repeater (1x) 5V DC output international AC/DC power adaptor (10W) (1x) US/EU/BS/AU Plug
DP12RP-28	DisplayPort 1.2 repeater for 28 AWG cables	(1x) DisplayPort repeater (1x) 5V DC output international AC/DC power adaptor (10W) (1x) US/EU/BS/AU Plug



www.freshdigit.com

info@freshdigit.com

Tel: 949-204-0288

Fax: 949-296-0931