

APANTAC

Product

Distribution Amplifiers
(Splitters)
Reference Guide

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Crescent

DA-2HD / DA-2HDX16

1 x 2 3G/HD/SD-SDI/CVBS/ASI Passive Splitter



Key Features

- Compact
- 1 x 2 passive splitter
- No power required
- Cable reach up to 100 meters/330 ft end to end
- Compatible for 3G/HD/SDSDI/CVBS/ASI
- Also available in rack mount up to 16 units - **DA2HD-X16**

Related Products

DA-8-UHD

1x8 12G Distribution Amp

DA-8HD

1x8 3G Distribution Amp

DA-4-HD

1x4 3G Distribution Amp

Front View



Rear View



Specifications

Model	DA-2HD
Inputs	1 x BNC
Outputs	2 x BNC
Power	Not Required

Crescent

DA-4HD

1 x 4 3G/HD/SD-SDI Distribution Amplifier



DA-4HD

Key Features

- Compact
- 1 x 4 3G SDI distribution amplifier
- 4 reclocked outputs
- Supports ASI on inputs 1 and 3
- Cable Reach - 3G (140m)
- Auto detect 3G/HD/SD-SDI
- 5V DC

Front View



12G/6G/3G/HD/SD-SDI input

Rear View



12V DC input
4 x reclocked 12G/6G/3G/HD/
SD-SDI output

Related Products

DA-8UHD
1x8 12G Distribution Amp

DA-8HD
1x8 3G Distribution Amp

DA-4HD
1x4 3G Distribution Amp

DA-2HD
1x2 3G Passive Splitter

Specifications

Model	DA-4HD
Inputs	1 x BNC
Outputs	4 x BNC
Power	12V DC

openGear

OG-DA-4HD-II

Triple-rate 1 x 4 SDI Distribution Amplifier

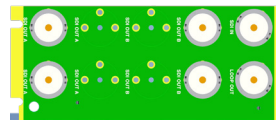


OG-DA-4HD-II-MB

Key Features

- openGear 3.0 card-based form factor
- Dashboard control enabled
- 1 x 4 triple rate reclocking SDI distribution amplifier with a passive loop out
- Reclockers can be turned on or off
- SMPTE 424M/292M/344M/259M compliant
- Data rates: 125 Mbps to 2.97 Gbps
- Equalizes up to 120 meters at 2.97 Gbps, 140 meter at 1.485 Gbps or 400 meters at 270 meters
- Supports DVB-ASI on outputs 1 and 3
- 5 year limited warranty

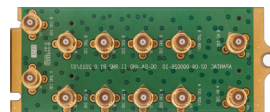
OG-DA-4HD-II-RM



Rear Module (2 slots)

- 1 x SDI input
- 1 x passive loop out
- 4 x SDI outputs

OG-DA-4HD-II-RM2



Rear Module (2 slots)

- 2 x SDI input
- 2 x passive loop outs
- 8 x SDI outputs

How to Order

- OG-DA-4HD-II-SET-1:** 1 x OG-DA-4HD-II-MB + 1 x OG-DA-4HD-II-RM
- OG-DA-4HD-II-SET-2:** 2 x OG-DA-4HD-II-MB + 1 x OG-DA-4HD-II-RM2

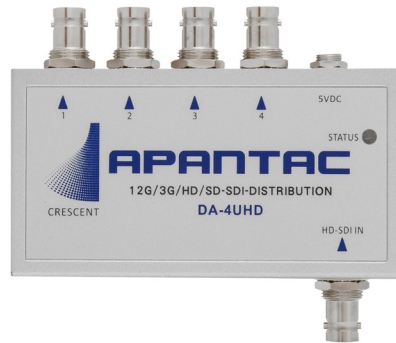
Specifications

OG-DA-4HD-II-SET-1 (1x4) - can fit 10 1x4 DAs in a 2 RU frame		OG-DA-4HD-II-SET-2 (2 x 1x4) - can fit 20 1x4 DAs in a 2 RU frame	
Inputs	1 x SDI	Inputs	2 x SDI
Loop out	1 x SDI	Loop outs	2 x SDI
Outputs	4 x SDI	Outputs	8 x SDI
Control	Dashboard		

Crescent

DA-4-UHD

1 x 4 3G/HD/SD-SDI Distribution Amplifier



DA-4-UHD

Key Features

- Compact
- 1 x 4 12G SDI distribution amplifier
- 4 reclocked outputs
- Supports ASI on outputs 1 and 3
- Cable Reach - 12G (70m), 6G (100m), 3G (140m)
- Auto detect 12G/6G/3G/HD/SD-SDI
- 12V DC

Front View



12G/6G/3G/HD/SD-SDI input

Rear View



12V DC input
4 x reclocked 12G/6G/3G/HD/
SD-SDI output

Related Products

DA-8-UHD

1x8 12G Distribution Amp

DA-8HD

1x8 3G Distribution Amp

DA-4-HD

1x4 3G Distribution Amp

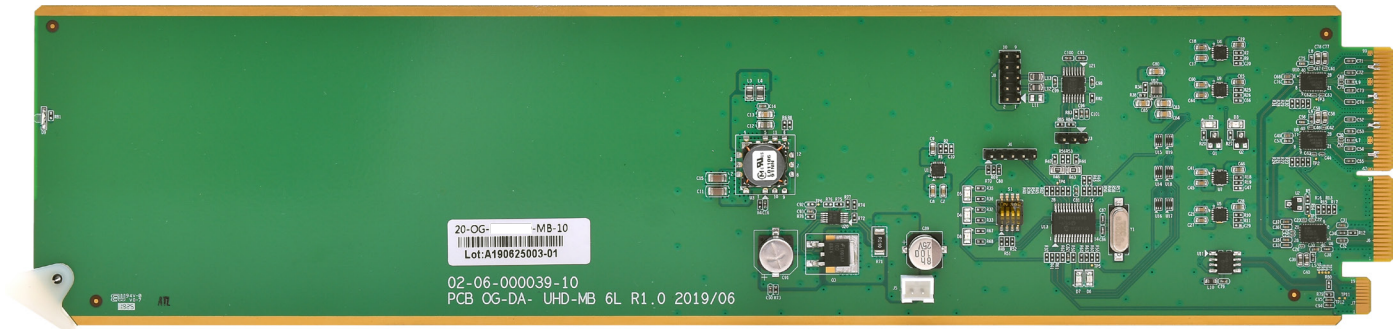
Specifications

Model	DA-4-UHD
Inputs	1 x BNC
Outputs	4 x BNC
Power	12V DC

openGear

OG-DA-4UHD

1 x 4 12G/6G/3G/HD/SD-SDI Distribution Amplifier

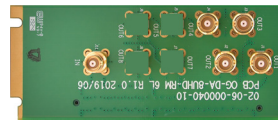


OG-DA-4UHD-MB

Key Features

- openGear 3.0 card-based form factor
- Dashboard control enabled
- 1 x 4 12G/6G/3G/HD/SD-SDI reclocking SDI distribution amplifier
- 4 reclocked outputs
- Supports ASI on outputs 1 and 3
- Cable Reach - 12G (70m), 6G (100m), 3G (140m)
- Auto detect 12G/6G/3G/HD/SD-SDI
- 5 year limited warranty

OG-DA-4UHD-RM



Rear Module (2 slots)

- 1 x SDI input
- 4 x SDI output

How to Order

OG-DA-4UHD-SET-1: 1 x OG-DA-4UHD-MB + 1 x OG-DA-4UHD-RM

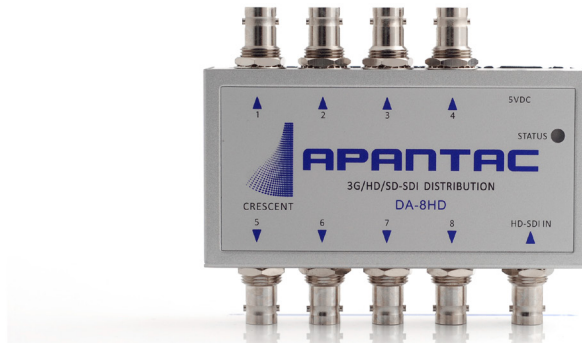
Specifications

OG-DA-4UHD-SET-1 (1x4) - can fit 10 1x4 DAs in a 2 RU frame	
Input	1 x SDI
Loop out	N/A
Outputs	4 x SDI
Control	Dashboard

Crescent

DA-8HD

1 x 8 3G/HD/SD-SDI Distribution Amplifier



DA-8HD

Key Features

- Compact
- 1 x 8 3G SDI distribution amplifier
- 8 reclocked outputs
- Support ASI on 1, 3, 5, 7 outputs
- Cable Reach - 3G (140m)
- Auto detect 3G/HD/SD-SDI
- 5V DC

Front View



5V DC input
3G/HD/SD-SDI output

Rear View



5V DC input
8 x reclocked 3G/HD/SD-SDI outputs

Related Products

DA-4UHD
1x4 12G Distribution Amp

DA-8HD
1x8 3G Distribution Amp

DA-4-HD
1x4 3G Distribution Amp

DA-8UHD
1x8 12G Distribution Amp

Specifications

Model	DA-8HD
Inputs	1 x BNC
Outputs	8 x BNC
Power	5V DC

openGear

OG-DA-8HD-II

Triple-rate 1 x 8 SDI Distribution Amplifier

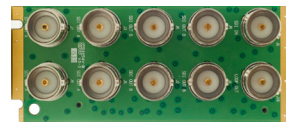


OG-DA-8HD-II-MB

Key Features

- OGX/3.0 card-based form factor
- Dashboard control enabled
- 8 x triple rate reclocking SDI distribution amplifier with a passive loop out
- Reclockers can be turned on or off
- SMPTE 424M/292M/344M/259M compliant
- Data rates: 125 Mbps to 2.97 Gbps
- Equalizes up to 120 meters at 2.97 Gbps, 140 meter at 1.485 Gbps or 400 meters at 270 meters
- Supports DVB-ASI at 270 Mbps on outputs 1, 3, 5, 7
- 5 year limited warranty

OG-DA-8HD-II-RM



Rear Module (2 slots)

- 1 x SDI input
- 1 x passive loop out
- 4 x SDI outputs

How to Order

OG-DA-8HD-II-SET-1: 1 x OG-DA-8HD-II-MB + 1 x OG-DA-8HD-II-RM

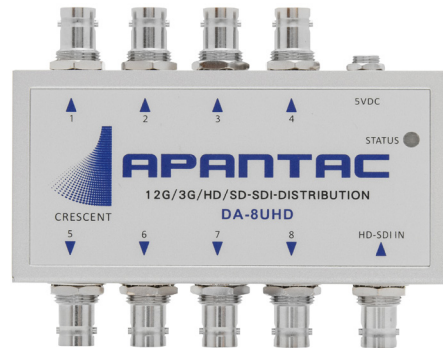
Specifications

OG-DA-4HD-II-SET-1 (1x4) - can fit 10 1x4 DAs in a 2 RU frame	
Input	1 x SDI
Loop out	1 x SDI
Outputs	8 x SDI
Control	Dashboard

Crescent

DA-8-UHD

1 x 8 12G/HD/SD-SDI Distribution Amplifier



DA-8-UHD

Key Features

- Compact
- 1 x 4 12G SDI distribution amplifier
- 4 reclocked outputs
- Cable Reach - 12G (70m), 6G (100m), 3G (140m)
- Auto detect 12G/6G/3G/HD/SD-SDI
- 12V DC

Front View



1 x 12G/6G/3G/HD/SD-SDI input

4 x 12G/6G/3G/HD/SD-SDI output

Rear View



12V DC input

4 x reclocked 12G/6G/3G/HD/SD-SDI output

Related Products

DA-4-UHD

1x4 12G Distribution Amp

DA-8HD

1x8 3G Distribution Amp

DA-4-HD

1x4 3G Distribution Amp

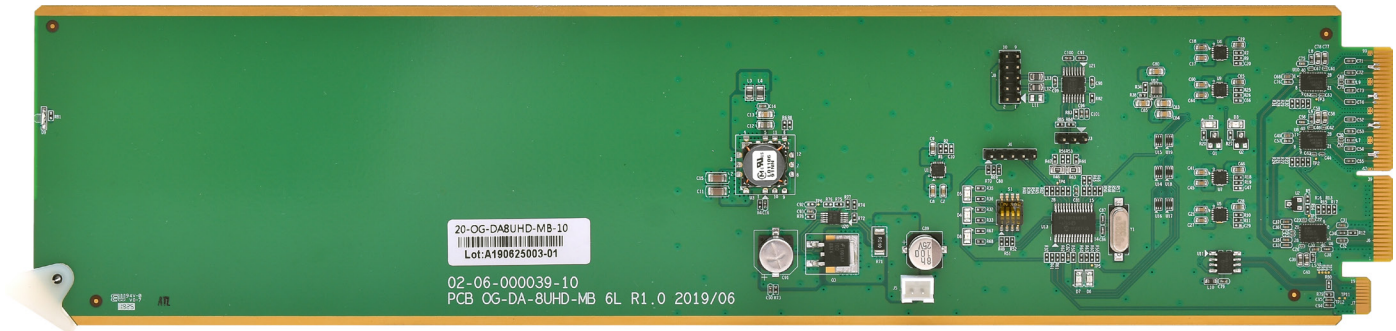
Specifications

Model	DA-8-UHD
Inputs	1 x BNC
Outputs	8 x BNC
Power	12V DC

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OG-DA-8UHD

1 x 8 12G/6G/3G/HD/SD-SDI Distribution Amplifier

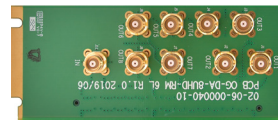


OG-DA-8UHD-MB

Key Features

- OGX/3.0 card-based form factor
- Dashboard control enabled
- 1 x 8 12G/6G/3G/HD/SD-SDI reclocking SDI distribution amplifier
- 8 reclocked outputs
- Supports DVB-ASI on outputs 1, 3, 5, 7
- Cable Reach - 12G (70m), 6G (100m), 3G (140m)
- Auto detect 12G/6G/3G/HD/SD-SDI
- 5 year limited warranty

OG-DA-8UHD-RM



Rear Module (2 slots)

- 1 x SDI input
- 8 x SDI output

How to Order

OG-DA-8UHD-SET-1: 1 x OG-DA-8UHD-MB + 1 x OG-DA-8UHD-RM

Specifications

OG-DA-8UHD-SET-1 (1x8) - can fit 10 1x8 DAs in a 2 RU frame	
Input	1 x SDI
Loop out	N/A
Outputs	8 x SDI
Control	Dashboard

MT Hood

HDMI-1x2-II

Compact 1x2 HDMI Splitter



HDMI-1x2-II

Key Features

- Supports HDMI 1.4/HDCP 1.4
- EDID learning from output 1
- Supports up to 1080P 60Hz
- Supports up to UHD@30Hz
- Supports deep color up to 12bit
- Magnetic mount

Related Products

- HDM2.0-1x2-II**
1 x 2 HDMI 2.0 splitter
- HDM2.0-1x4-II**
1 x 4 HDMI 2.0 splitter
- HDM2.0-1x8-II**
1 x 8 HDMI 2.0 splitter

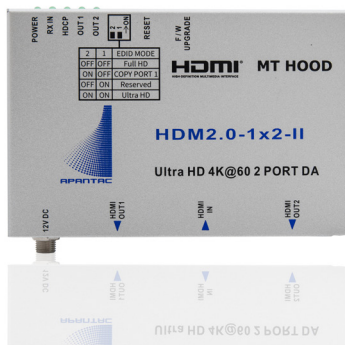
Specifications

Model	HDMI-1x2-II
Description	1 x 2 HDMI Splitter
Input	1 x HDMI type A
Outputs	2 x HDMI Type A
Max resolution	Up to 1920x1200/1080P @60Hz
Power	DC 5V 1 A
Dimension	62 x 113 x 29 mm

MT Hood

HDM2.0-1x2-II

1x2 HDMI 2.0 Splitter/Distribution Amplifier



HDM2.0-1x2-II

Key Features

- Supports 4K/UHD 24/25/30/50/60Hz
- Supports HDMI 2.0/HDCP 2.2/HDCP 1.4
- Patent Pending Intelligent EDID management Technology (iDOT™) that supports built-in down scaler, chroma re-sampler and color space conversion
- Supports LPCM, Dolby True HD and Dolby Digital
- Cascadable for input expansion up to 8 levels

Front View



- 1 x HDMI input
- 1 x HDMI output

Rear View



- 1x reset key
- 1x DIP switch for mode settings
- LEDs for scaling, output, input and power status
- 12V DC Jack

Related Products

HDM2.0-1x8-II
1x8 HDMI 2.0 distribution amplifier

HDM2.0-1x4-II
1x4 HDMI 2.0 distribution amplifier

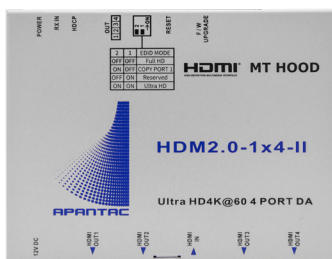
Specifications

Model	HDM2.0-1x2-II		
Input	1 x HDMI	Max Resolution	4Kx2K(UHD)@60(4:4:4, 8 bit)/(4:2:0, 12bit)
Outputs	2 x HDMI	Cable distance	10m max (33 ft)
HDCP	HDCP 1.4/2.2	Power	DC 12V 1.25A
DIP Switch	EDID mode selection	Weight	295g
Dynamic Range	HDR/SDR, 4:4:4, 4:2:2	Dimensions	124x83x25 mm
Color Space	BT 601, 709 and 2020	Audio Support	LPCM, Dolby True HD, Dolby Digital/Plus.EX, DTS, DTS-HD master
LED	Front Panel indicator		

MT Hood

HDM2.0-1x4-II

1x4 HDMI 2.0 Splitter/Distribution Amplifier



HDM2.0-1x4-II

Key Features

- Supports 4K/UHD 24/25/30/50/60Hz
- Supports HDMI 2.0/HDCP 2.2/HDCP 1.4
- Patent Pending Intelligent EDID management Technology (iDOT™) that supports built-in down scaler, chroma re-sampler and color space conversion
- Supports LPCM, Dolby True HD and Dolby Digital
- Cascadable for input expansion up to 8 levels

Front View



- 1 x HDMI input
- 1 x HDMI output

Rear View



- 1x reset key
- 1x DIP switch for mode settings
- LEDs for scaling, output, input and power status
- 12V DC Jack

Related Products

HDM2.0-1x2-II
1x8 HDMI 2.0 distribution amplifier

HDM2.0-1x8-II
1x4 HDMI 2.0 distribution amplifier

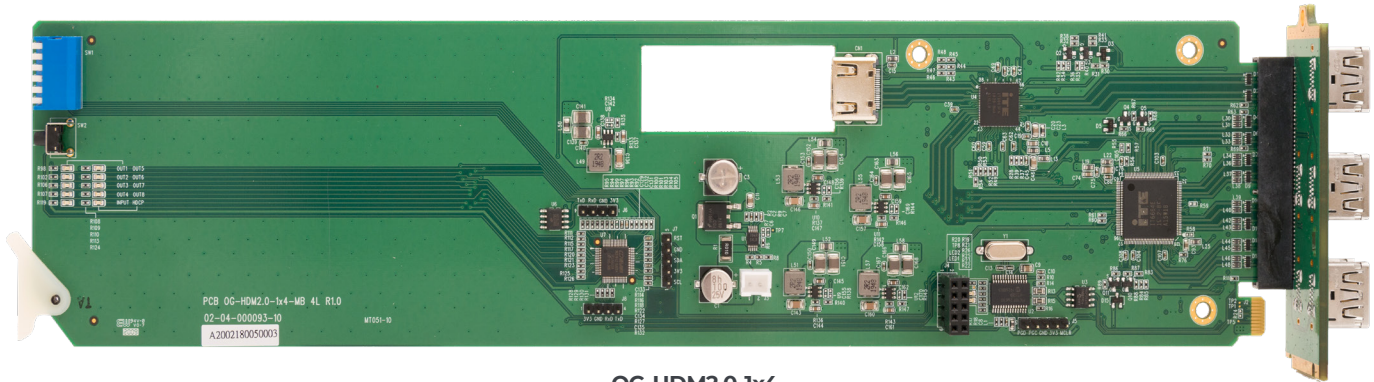
Specifications

Model	HDM2.0-1x4-II		
Input	1 x HDMI	Resolution	4Kx2K(UHD)@60(4:4:4, 8 bit)/(4:2:0, 12bit)
Outputs	4 x HDMI	Cable distance	10m max (33 ft)
HDCP	HDCP 1.4/2.2	Power	DC 12V 1.25A
DIP Switch	EDID mode selection	Weight	455g
Dynamic Range	HDR/SDR, 4:4:4, 4:2:2	Dimensions	152x114x25 mm
Color Space	BT 601, 709 and 2020	Audio Support	LPCM, Dolby True HD, Dolby Digital/Plus.EX, DTS, DTS-HD master
LED	Front panel indicator		

openGear

OG-HDM2.0-1x4

1x4 HDMI 2.0 Splitter/Distribution Amplifier

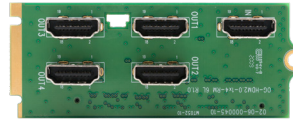


OG-HDM2.0-1x4

Key Features

- OGX/3.0 card-based form factor
- Dashboard control enabled
- Supports 4K/UHD 24/25/30/50/60Hz
- Supports HDMI 2.0/HDCP 2.2/HDCP 1.4
- Patent Pending Intelligent EDID management Technology (iDOT™) that supports built-in down scaler, chroma re-sampler and color space conversion
- Supports LPCM, Dolby True HD and Dolby Digital
- Cascadable for input expansion up to 8 levels
- 5 year limited warranty

OG-HDM2.0-1x4-RM Rear Module (2 slots)



1 x HDMI input
4 x HDMI outputs

How to Order

OG-HDM2.0-1x4-SET-1: 1 x OG-HDM2.0-1x4-MB + 1 x OG-HDM2.0-1x4-RM

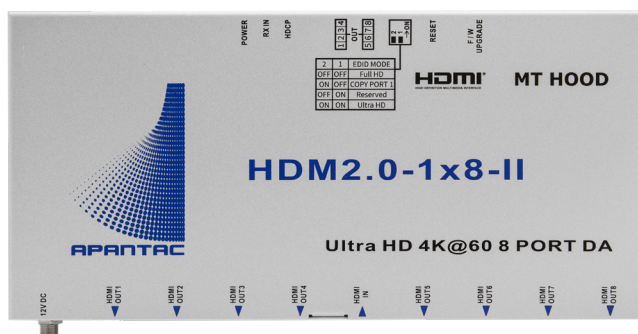
Specifications

Model	HDM2.0-1x4-II		
Input	1 x HDMI	Resolution	4Kx2K(UHD)@60(4:4:4, 8 bit)/(4:2:0, 12bit)
Outputs	4 x HDMI	Cable distance	10m max (33 ft)
HDCP	HDCP 1.4/2.2	Dynamic Range	HDR/SDR, 4:4:4, 4:2:2
Color Space	BT 601, 709 and 2020	Audio Support	LPCM, Dolby True HD, Dolby Digital/Plus.EX, DTS, DTS-HD master
LED	Front panel indicator		

MT Hood

HDM2.0-1x8-II

1x8 HDMI 2.0 Splitter/Distribution Amplifier



HDM2.0-1x8-II

Key Features

- Supports 4K/UHD 24/25/30/50/60Hz
- Supports HDMI 2.0/HDCP 2.2/HDCP 1.4
- Patent Pending Intelligent EDID management Technology (iDOT™) that supports built-in down scaler, chroma re-sampler and color space conversion
- Supports LPCM, Dolby True HD and Dolby Digital
- Cascadable for input expansion up to 8 levels

Front View



- Power status
- Input status
- HDCP status
- Output status
- DIP switch
- Reset

Rear View



- 12V DC jack
- 1x HDMI input
- 8 x HDMI outputs

Related Products

HDM2.0-1x2-II
1x8 HDMI 2.0 distribution amplifier

HDM2.0-1x4-II
1x4 HDMI 2.0 distribution amplifier

Specifications

Model	HDM2.0-1x8-II		
Input	1 x HDMI	Resolution	4Kx2K(UHD)@60(4:4:4, 8 bit)/(4:2:0, 12bit)
Output	8 x HDMI	Cable distance	10m max (33 ft)
HDCP	HDCP 1.4/2.2	Power	DC 12V 1.25A
DIP Switch	EDID mode selection	Weight	695g
Dynamic Range	HDR/SDR, 4:4:4, 4:2:2	Dimension	237 x 114 x 25 mm
Color Space	BT 601, 709 and 2020	Audio Support	LPCM, Dolby True HD, Dolby Digital/Plus.EX, DTS, DTS-HD master
LED	Front panel indicator		

MT Hood

DP-1x2-II

DisplayPort 1x2 DA/Splitter



DP-1x2-II

Key Features

- Supports DisplayPort 1.2a
- Supports Displayport HDCP 1.3
- Supports HBR2/HBR/RBR
- Maximum bandwidth of 21.6GHz
- Support SST and MST Mode
- Compliant with DisplayPort 1, 2 or 4 lanes

Front View



- 1x 12V DC power inlet
- 1x DisplayPort input

Rear View



- 2x DisplayPort outputs
- 1x reset key
- 1x DIP switch for SST and MST setting
- 1x power status LED

Related Products

DP-1x4-II
1x4 DisplayPort
distribution amplifier

HDM2.0-1x2-II
1x2 HDMI 2.0
distribution amplifier

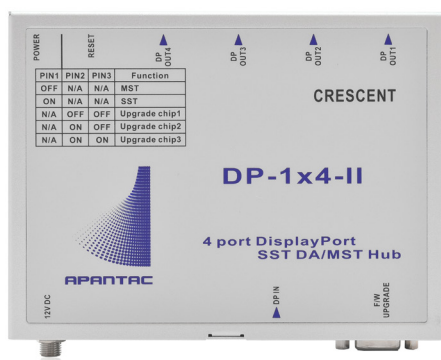
Specifications

Model	DP-1x2-II	Reset Key	1 x TACT SW
Input	1x DP	Power Status	1x Green LED
Output	2x DP	Power	12V DC 1A
Maximum Data Rate	21.6 Gpbs	Weight	310 g
Link Rate	HBR2, HBR, RBR	Dimensions	156 x 83 x 25 mm
Dip Switch	2 pin: SST/MST selection	Environment	Operating temperature: 0 ~ 40 C, Storage temperature : -20 ~ 60 C Humidity: 0 - 80% RH (non-condensing)

MT Hood

DP-1x4-II

DisplayPort 1x4 DA/Splitter



DP-1x2-II

Key Features

- Supports DisplayPort 1.2a
- Supports Displayport HDCP 1.3
- Supports HBR2/HBR/RBR
- Support SST and MST Mode
- Compliant with DisplayPort 1, 2 or 4 lanes

Front View



- 1x 12V DC power inlet
- 1x DisplayPort input

Rear View



- 4 x DisplayPort outputs
- 1x reset key
- 1x DIP switch for SST and MST setting
- 1x power status LED

Related Products

DP-1x2-II
1x2 DisplayPort distribution amplifier

HDM2.0-1x2-II
1x2 HDMI 2.0 distribution amplifier

Specifications

Model	DP-1x4-II	Reset Key	1 x TACT SW
Input	1x DP	Power Status	1x Green LED
Output	4x DP	Power	12V DC 1A
Maximum Data Rate	21.6 Gpbs	Weight	310 g
Link Rate	HBR2, HBR, RBR	Dimensions	156 x 83 x 25 mm
Dip Switch	2 pin: SST/MST selection	Environment	Operating temperature: 0 ~ 40 C, Storage temperature : -20 ~ 60 C Humidity: 0 - 80% RH (non-condensing)

About Us

Apantac is a leading designer and developer of high quality and cost effective multiviewers, video walls, matrices, extenders, and signal processing equipment. The Apantac product line has been specifically designed to provide users with flexible and innovative technology solutions for the broadcast and ProAV industries.

The Apantac product line includes; Multiviewers, video walls, extenders, switches, splitters, matrices, fiber optic extenders, HDBaseT solutions, as well as various video processors. These products are sold globally through direct selling channels, a growing network of dealers, system integrators, OEM's and various other partners.

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About Us

Apantac is a leading designer and developer of high quality and cost effective multiviewers, video walls, matrices, extenders, and signal processing equipment.

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