PIXELHUE

imagine beyond reality

Splitters
Extenders
Cables

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CONTENT

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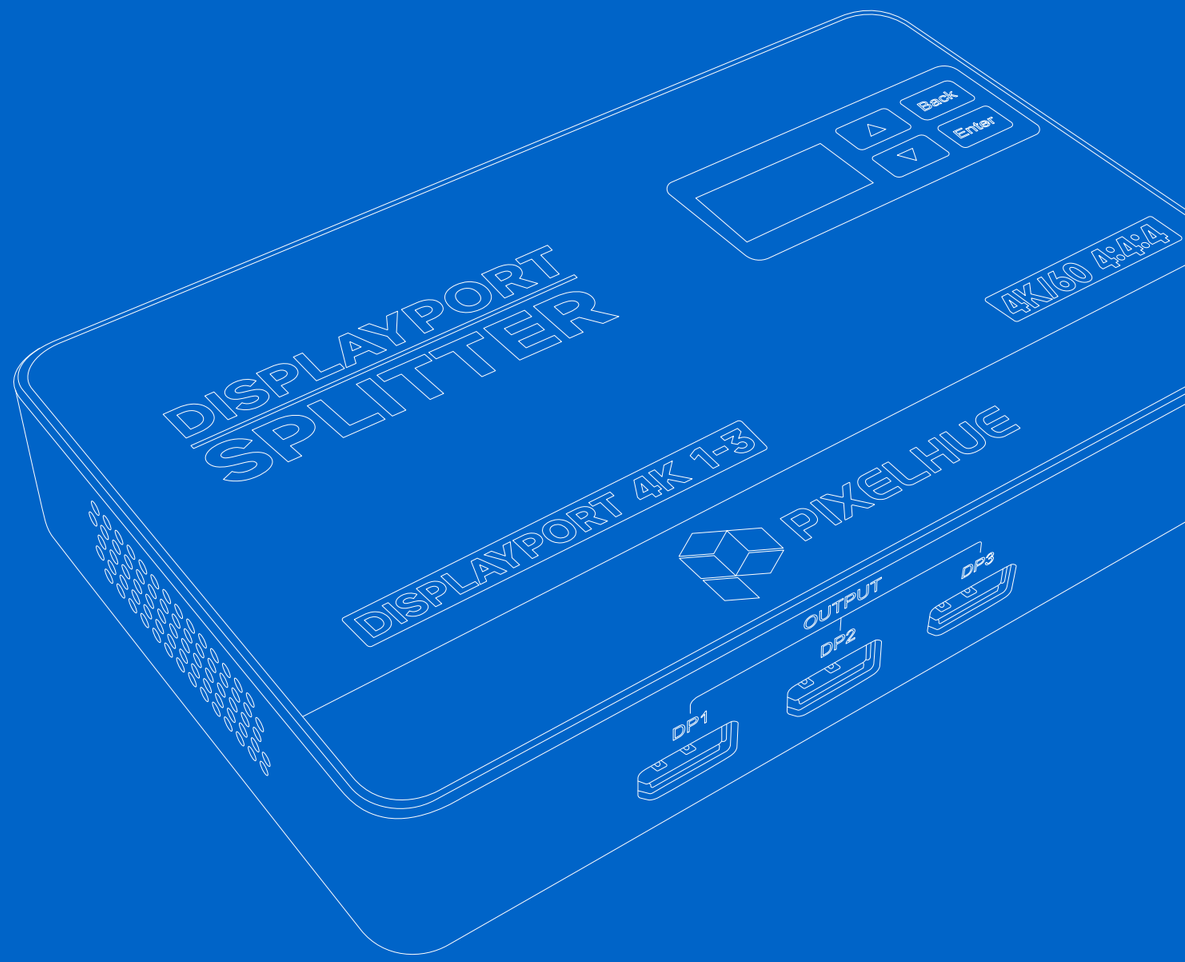
SPLITTERS EXTENDERS



Converter & Extender & Splitter

Video Splitter
DisplayPort 4K 1-3

The DisplayPort 4K 1-3 is a 4K video splitter with outstanding performance, excellent stability and high definition. The resolutions of both its inputs and outputs can be up to 4K×2K@60Hz, and backward compatibility is supported.

This splitter supports 1 × DP 1.2 input and 3 × DP 1.2 real-time outputs. The input and output resolutions are the same.

This splitter is easy to use and supports plug and play. It is applicable to any devices with DP connectors and supports various video processors, Blu-ray & HD DVD players.

Features

- Supports input and output resolutions up to 4K×2K@60Hz.
- Features the same timing of the input and output with up to Ultra HD 4K resolution.
- Supports up to 4:4:4 10-bit input.
- OLED display can display the input and output statuses in real time.
- Supports setting the EDID via three ways: standard, custom and EDID learning.
- Supports HDCP.
- Supports plug and play of both input and output, with no drivers required.
- Adopts metal heatsink design.
- Supports program update using a USB drive.

Specifications

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DP Input

Quantity	1
Standard	DP 1.2 connector supports HDCP 1.3.
Resolution	1024×768@23.98/50/59.94/60/85Hz 1920×1080@23.98/50/59.94/60/85Hz 3840×2160@23.98/50/59.94/60Hz

DP Output

Quantity	3
Standard	DP 1.2 connector supports HDCP 1.3.
Resolution	1024×768@23.98/50/59.94/60/85Hz 1920×1080@23.98/50/59.94/60/85Hz 3840×2160@23.98/50/59.94/60Hz

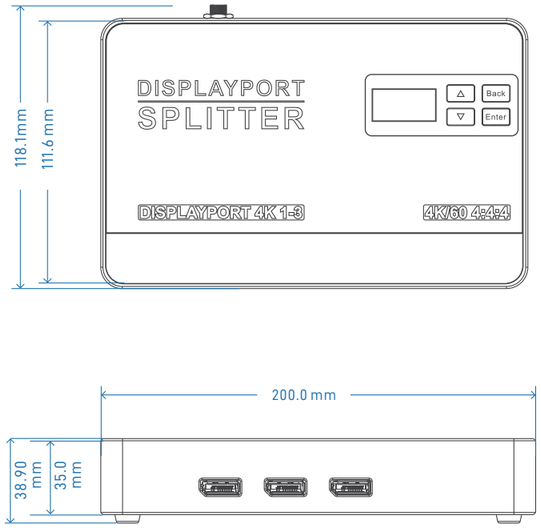
Physical Characteristics

Power supply	DC 12 V
Power consumption	18 W
Operating temperature	0°C to +50°C
Dimensions	200.0 mm × 132.8 mm × 38.9 mm
Package dimensions	357mm × 264mm × 85mm
Net weight	0.6 kg

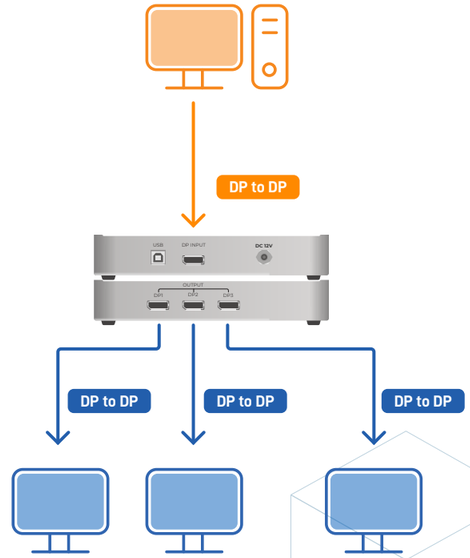
Control

USB	Connects to the control computer for online update.

Dimensions



Applications



Converter & Extender & Splitter

Video Splitter
HDMI 4K 1-4

The HDMI 4K 1-4 is a 4K video splitter with outstanding performance, excellent stability and high definition.

This splitter supports 1x HDMI 2.0 input and 4x HDMI 2.0 real-time outputs. The resolutions of both its input and outputs can be up to 4K×2K@60Hz.The input and output resolutions are the same.

This splitter is easy to use and supports plug and play. It is applicable to any devices with HDMI connectors and supports various set-top boxes, DVD players, player boxes and so on.

Features

- Supports input and output resolutions up to 4K×2K@60Hz.
- Features the same timing of the input and output with up to Ultra HD 4K resolution.
- Supports 3D video source input.
- Supports up to 4:4:4 10-bit input.
- OLED display can display the input and output statuses in real time.
- Supports three EDID setting methods: standard, custom and EDID learning.
- Supports HDCP.
- Supports plug and play of both input and output, with no drivers required.
- Adopts metal heatsink design.
- Supports program update using a USB drive.
- Supports various certifications, such as RoHS.

Specifications

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HDMI Input

Quantity	1
Standard	HDMI 2.0 connector supports HDCP 2.2 and HDCP 1.4.
Resolution	1024×768@23.98/50/59.94/60/85Hz 1920×1080@23.98/50/59.94/60/85Hz 3840×2160@23.98/50/59.94/60Hz

HDMI Output

Quantity	4
Standard	HDMI 2.0 connector supports HDCP 2.2 and HDCP 1.4.
Resolution	1024×768@23.98/50/59.94/60/85Hz 1920×1080@23.98/50/59.94/60/85Hz 3840×2160@23.98/50/59.94/60Hz

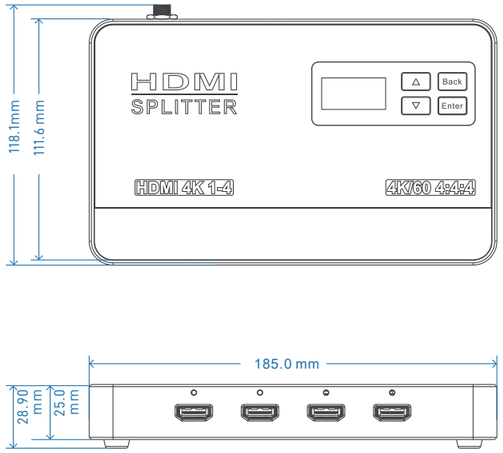
Control

USB	Connects to the control computer for online update.

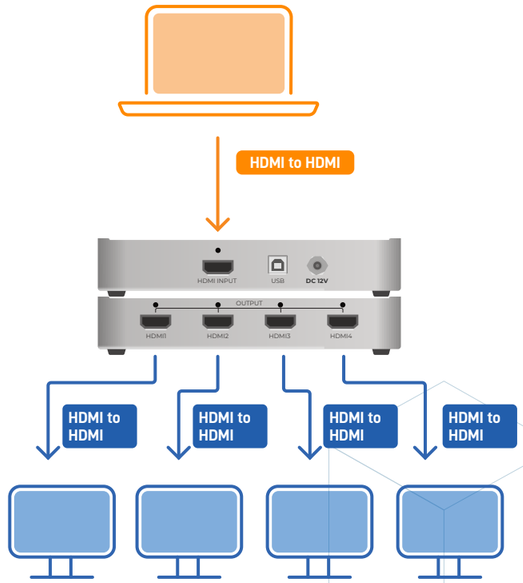
Physical Characteristics

Power supply	DC 12 V
Power consumption	2 W
Operating temperature	0°C to +50°C
Storage temperature	–10°C to +60°C
Operating humidity	10% RH to 90% RH, non-condensing
Dimensions	200.0 mm × 132.8 mm × 38.9 mm
Package dimensions	357mm × 264mm × 85mm
Net weight	470 g
Material	Metal

Dimensions



Applications



Extender

DVI HBT R/T

The DVI-HBT video extender adopts HDBaseT technology to realize long-distance transmission of DVI signal.

DVI-HBT-T supports 1x DVI input and 1x HDBaseT output, with the same resolution of 1920×1080@60Hz. DVI-HBT-R supports 1x HDBaseT input and 1x DVI output, with the same resolution of 1920×1080@60Hz.

With both DVI-HBT-T and DVI-HBT-R, HDBaseT connector supports 100-meter transmission distance by using only one CAT 6 Ethernet cable. This solves the problems of bad transmission and image interference due to long Ethernet cable, and improves the DVI signal transmission distance and image quality.

Features

- Supports input and output resolutions up to 1920×1080@60Hz.
- Converts DVI signal to HDBaseT signal for transmission, increasing the transmission distance and ensuring image quality.
- Supports up to 4:4:4 input.
- HDBaseT output uses standard Ethernet cable for easier on-site production and less transmission cost.
- Provides DVI, LINK and PWR indicators for easy control of the device status.
- Supports plug and play of both input and output, with no drivers required.
- Supports 7-pair device units connected to increase the transmission distance.
- Supports EDID transparent transmission function for various display devices.
- Supports various certifications, such as RoHS.

Specifications

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DVI-HBT-T

Input Connector	QTY	Description
DVI IN	1	DVI-D Single Link 18+1 input connector Supports input resolutions up to 1920×1080@60Hz.

Indicator	Description
DVI	On: The HDCP-encrypted input source is accessed. Off: The input source is not accessed. Flashing: The input source is accessed but not used.
LINK	On: Data is being transmitted. Off: HDBaseT connector is not connected. Flashing: DVI connector is not connected.
PWR	On: Power supply is connected. Off: Power supply is not connected.

Output Connector	QTY	Description
HDBaseT OUT	1	HDBaseT output connector is used for data transmission.

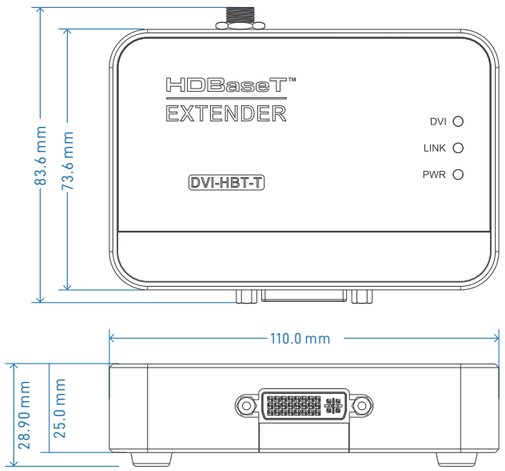
DVI-HBT-R

Input Connector	QTY	Description
DVI OUT	1	DVI-D Single Link 18+1 output connector Supports output resolutions up to 1920×1080@60Hz.

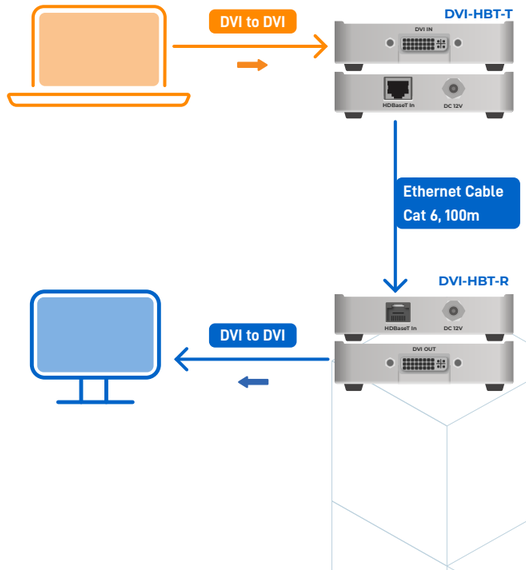
Indicator	Description
DVI	On: The HDCP-encrypted input source is accessed. Off: The input source is not accessed. Flashing: The input source is accessed but not used.
LINK	On: Data is being transmitted. Off: HDBaseT connector is not connected. Flashing: DVI connector is not connected.
PWR	On: Power supply is connected. Off: Power supply is not connected.

Output Connector	QTY	Description
HDBaseT OUT	1	HDBaseT output connector is used for data transmission.

Dimensions



Applications



Converter & Extender & Splitter

Extender
HDMI-HBT-R/T

The HDMI-HBT video extender adopts HDBaseT technology to realize long-distance transmission of HDMI signal.

HDMI-HBT-T supports 1x HDMI input and 1x HDBaseT output, while HDMI-HBT-R supports 1x HDBaseT input and 1x HDMI output.

With both HDMI-HBT-T and HDMI-HBT-R, HDBaseT connector supports 100-meter transmission distance by using only one CAT 6 Ethernet cable. This solves the problems of bad transmission and image interference due to long Ethernet cable, and improves the HDMI signal transmission distance and image quality.

Features

- Supports HDMI 1.4 input and backward compatibility.
- Converts HDMI signal to HDBaseT signal for transmission, increasing transmission distance and ensuring image quality.
- Supports up to 4:4:4 10-bit input.
- HDBaseT output uses standard Ethernet cable for easier on-site production and less transmission cost.
- Provides HDMI, LINK and PWR indicators for easy control of the device status.
- Supports plug and play of both input and output, with no drivers required.
- Supports 7-pair device units connected to increase the transmission distance.
- Supports EDID transparent transmission function for various display devices.
- Supports various certifications, such as RoHS.

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Specifications

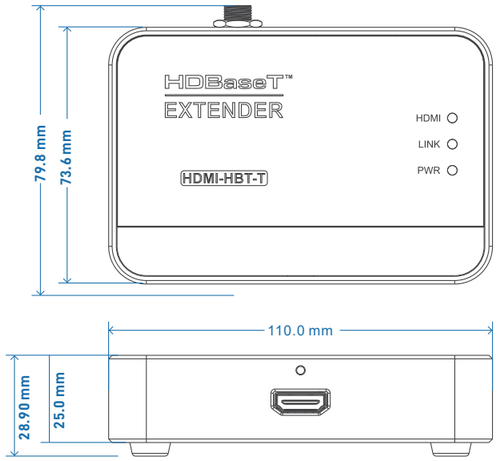
HDMI-HBT-T

Input Connector	QTY	Description
HDMI IN	1	HDMI 1.4 input connector Supports input resolutions up to 3840×1080@60Hz.
Indicator	**Description**	
HDMI		On: The HDCP-encrypted input source is accessed. Off: The input source is not accessed. Flashing: The input source is accessed but not used.
LINK		On: Data is being transmitted. Off: HDBaseT connector is not connected. Flashing: DVI connector is not connected.
PWR		On: Power supply is connected. Off: Power supply is not connected.
Output Connector	**QTY**	**Description**
HDBaseT OUT	1	HDBaseT output connector is used for data transmission.

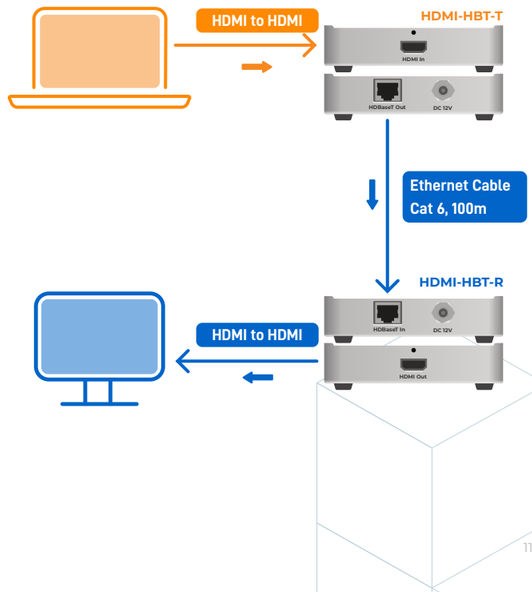
HDMI-HBT-R

Input Connector	QTY	Description
HDMI IN	1	HDMI 1.4 input connector Supports input resolutions up to 3840×1080@60Hz.
Indicator	**Description**	
HDMI		On: The HDCP-encrypted input source is accessed. Off: The input source is not accessed. Flashing: The input source is accessed but not used.
LINK		On: Data is being transmitted. Off: HDBaseT connector is not connected. Flashing: DVI connector is not connected.
PWR		On: Power supply is connected. Off: Power supply is not connected.
Output Connector	**QTY**	**Description**
HDBaseT OUT	1	HDBaseT output connector is used for data transmission.

Dimensions



Applications



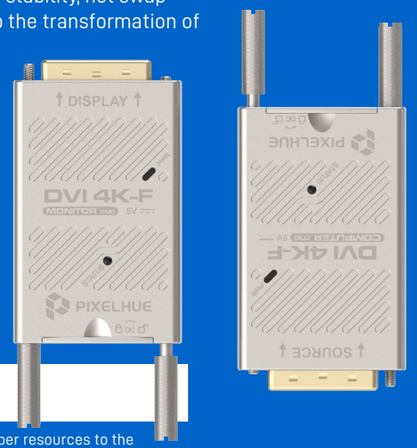
Converter & Extender & Splitter

Single-Fiber Bidirecttional DVI 4K Extender

DVI 4K-F

DVI4K-F extender, including one DVI4K-F transmitter (COMPUTER TX, Source) and one DVI4K-F receiver (MONIONTOR Rx, Display). DVI-D (18 + 1) media interface, completed 300m ITU-T.G652 / G.655 SMF single-mode, OM1 / 2 / 3 / 50um / 125um multimode) lossless uncompressed video 10G high-speed extended transmission.

The optical path adopts single fiber bidirectional WDM optical wavelength division multiplexing technology to ensure the electrical isolation of TMDs differential source and display end equipment, avoid the noise impact with the grounding circuit, and no video signal frame delay. Compared with the traditional twisted pair cable transmission, it has many advantages, such as no attenuation, strong anti-interference, strong signal confidentiality, high stability, hot swap protection, long transmission distance, and the signal does not lose due to the transformation of the external environment.



Features

It can support 300 m SMF single-mode and OM multi-mode transmission. Single mode can save fiber resources to the greatest extent.

- Separated "optical fiber extension" cable directly establishes system connection without EDID learning
- Support lossless, resolution up to 4096x2160p @ 30Hz embedded audio (support hdcp1.4a video and audio arc)
- Discrete signal status and power LED indicator
- It can directly power supply to the source transmitter by DVI-D 1.0 interface.
- Support multi receiving and multi sending parallel applications of video matrix.
- 10G single fiber bi-directional LC fiber interface.
- Support ESD protection: ± 15kV (air), ± 8Kv (contact)
- Equipped with DC 5V / 2A adapter with 300mA low power consumption.
- The integrated dust-proof structure of LC and DC power port of the equipment is simple to use.
- DC power adapter lock valve anti falling socket.
- High heat dissipation, spray painting and frosting structure design. Double through-hole screw design, convenient fixation
- RoHS compliant
- Additional function description:

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Specifications

Transmitter
DVI4K-F TX

Input Signal	
Interface Type	DVI-D(18+1), DVI1.0
Signal Type	DVI 1.0, HDMI 1.4a, up to 4096 × 2160@30Hz
Output Signal	
Interface Type	LC
Signal Type	G.652/G.655/G.657 SMF and 50um/125um, 62.5um/125um OM multimode

Receiver
DVI4K-F RX

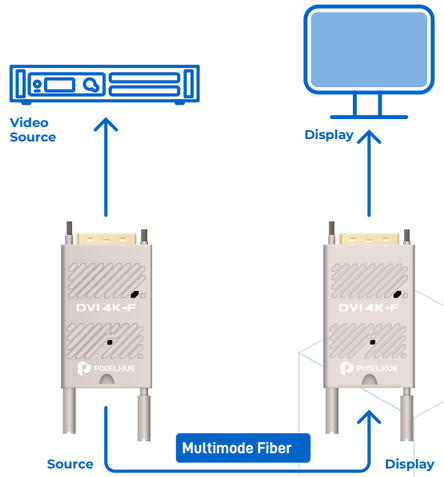
Input Signal	
Interface Type	LC
Signal Type	G.652/G.655/G.657 SMF and 50um/125um, 62.5um/125um OM multimode
Output Signal	
Interface Type	DVI-D(18+1), DVI1.0
Signal Type	DVI 1.0, HDMI 1.4a, up to 4096 × 2160@30Hz

Transmission distance	300m
Data Rate Max.	Max. 3.4Gbps
Graphic Data	340MB/S
Optical Rate	11.5GB/S
Power Supply	DC 5V, 2A
Weight	0.56 kg
Dimension Length × Width × Height	90mm × 40mm × 15mm
Operation Temperature	-45-70℃
Storage Temperature	25℃

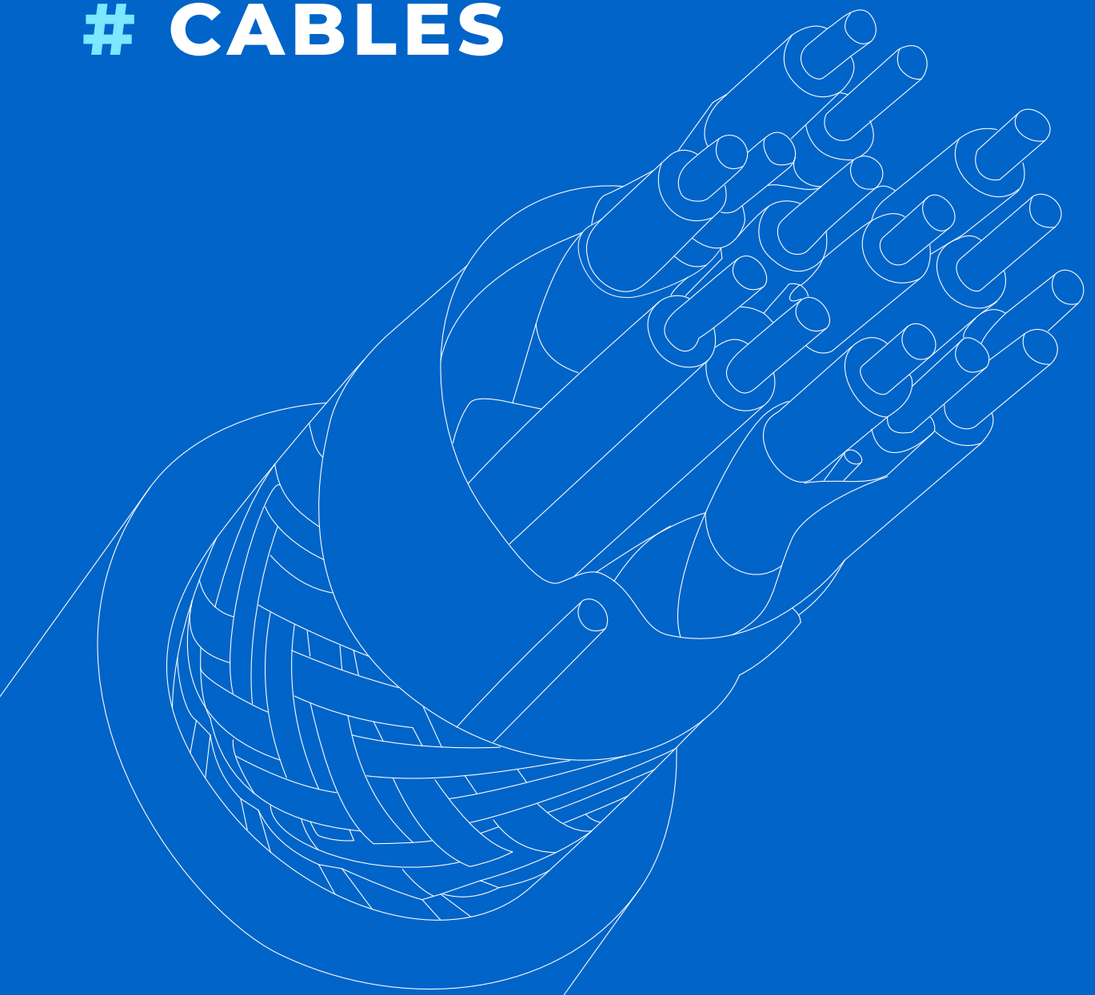
Dimensions

DVI 4K-F Transmitter DVI 4K-F Receiver

Applications



CABLES



HDMI AM to HDMI AM

Description

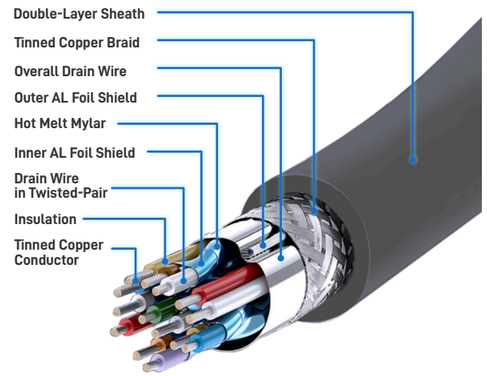
HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

c UL US LISTED
I.T.E. E515613

MiniDP Male to DP AM

Description

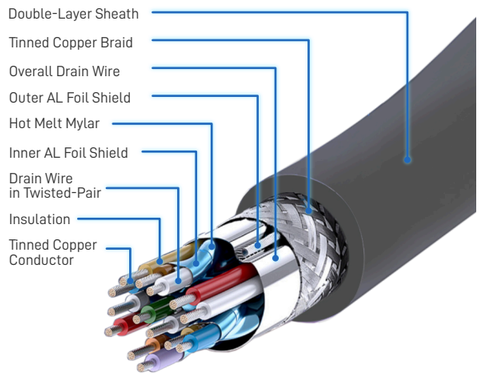
MiniDP Male to DP AM is designed to connect the source and the sink with MiniDP and DP interfaces. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

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I.T.E. E515613

HDMI AM to HDMI AM

Description

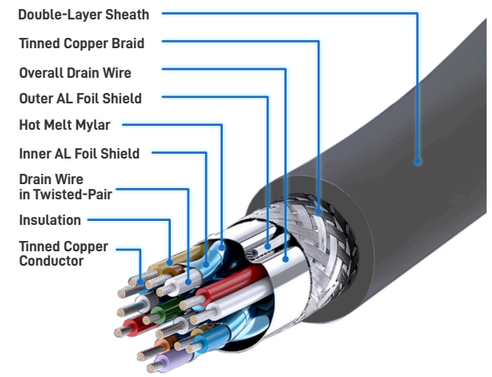
HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

c UL us LISTED
I.T.E. E515613

MiniDP Male to DP AM

Description

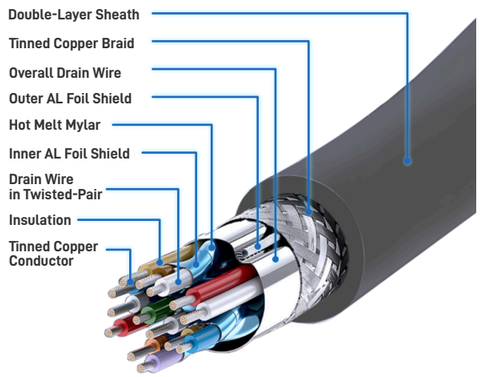
MiniDP Male to DP AM is designed to connect the source and the sink with MiniDP and DP interfaces. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

c UL us LISTED
I.T.E. E515613

HDMI AM to HDMI AM

Description

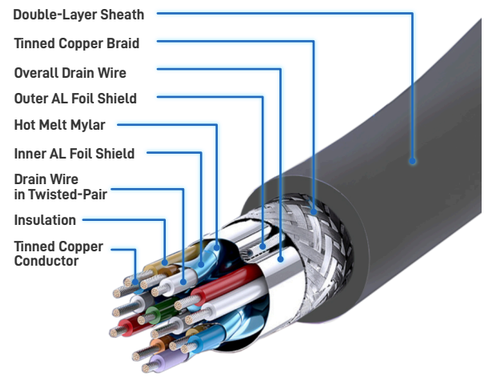
HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

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I.T.E. E515613

MiniDP Male to DP AM

Description

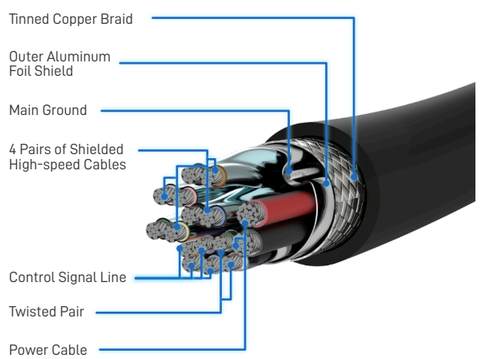
MiniDP Male to DP AM is designed to connect the source and the sink with MiniDP and DP interfaces. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

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I.T.E. E515613

HDMI AM to HDMI AM

Description

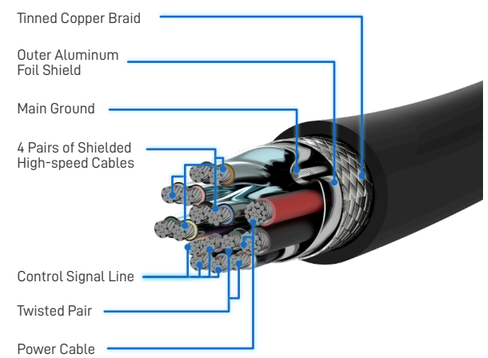
HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

c UL us LISTED
I.T.E. E515613

MiniDP Male to DP AM

Description

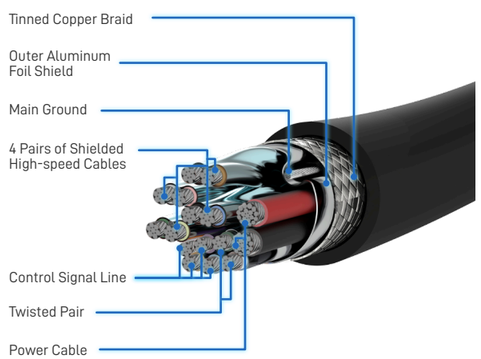
MiniDP Male to DP AM is designed to connect the source and the sink with MiniDP and DP interfaces. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

c UL us LISTED
I.T.E. E515613

HDMI AM to HDMI AM

Description

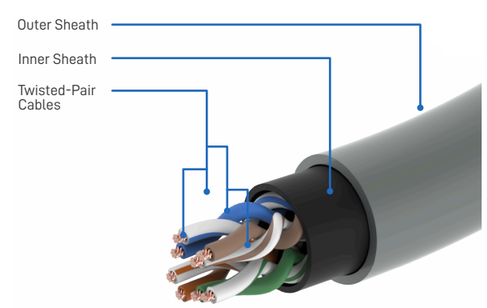
HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

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I.T.E. E515613

MiniDP Male to DP AM

Description

MiniDP Male to DP AM is designed to connect the source and the sink with MiniDP and DP interfaces. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure

Compliant

HDMI AM to HDMI AM

Description

HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

Features

- HDMI 2.0 compliant
- Bandwidth up to 18Gbps
- Resolutions up to 3840×2160@60Hz
- Highly resistant to EMI (Each pair of TMDS signals and clock signals are separately shielded and grounded. Special metal shell is used to cover the connector and the wires are copper braid shielded to ensure stable signal transmission without interference.)
- Cable length: 1.5m/3m/5m available
- With connector protective caps (protect the pins and the shell)

Structure

Compliant

MiniDP Male to DP AM

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Apperance

Features

- DP 1.2 compliant
- Bandwidth up to 21.6Gbps
- Resolutions up to 3840×2160@60Hz
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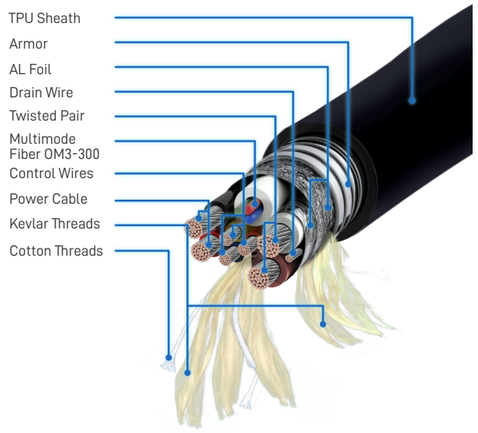
- With connector protective caps (protect the pins and the shell)

Structure



Compliant

RoHS

HDMI AM to HDMI AM

Description

HDMI AM to HDMI AM is designed to connect the source and the sink with HDMI Type A interface. Featuring high quality gold plated connectors and high quality cable with special automatic soldering process, it has high quality performance. The HDMI cable assembly is designed for computer monitors and industrial applications, especially LED screen markets.

Apperance

imagine *beyond* reality

Features

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Structure

Compliant

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