

BITVISUS TECHNOLO GYLIMITED

BITVISUS

深圳市比特视讯有限公司

ShenZhen Bitvisus Technology Limited

www.bitvisus.com

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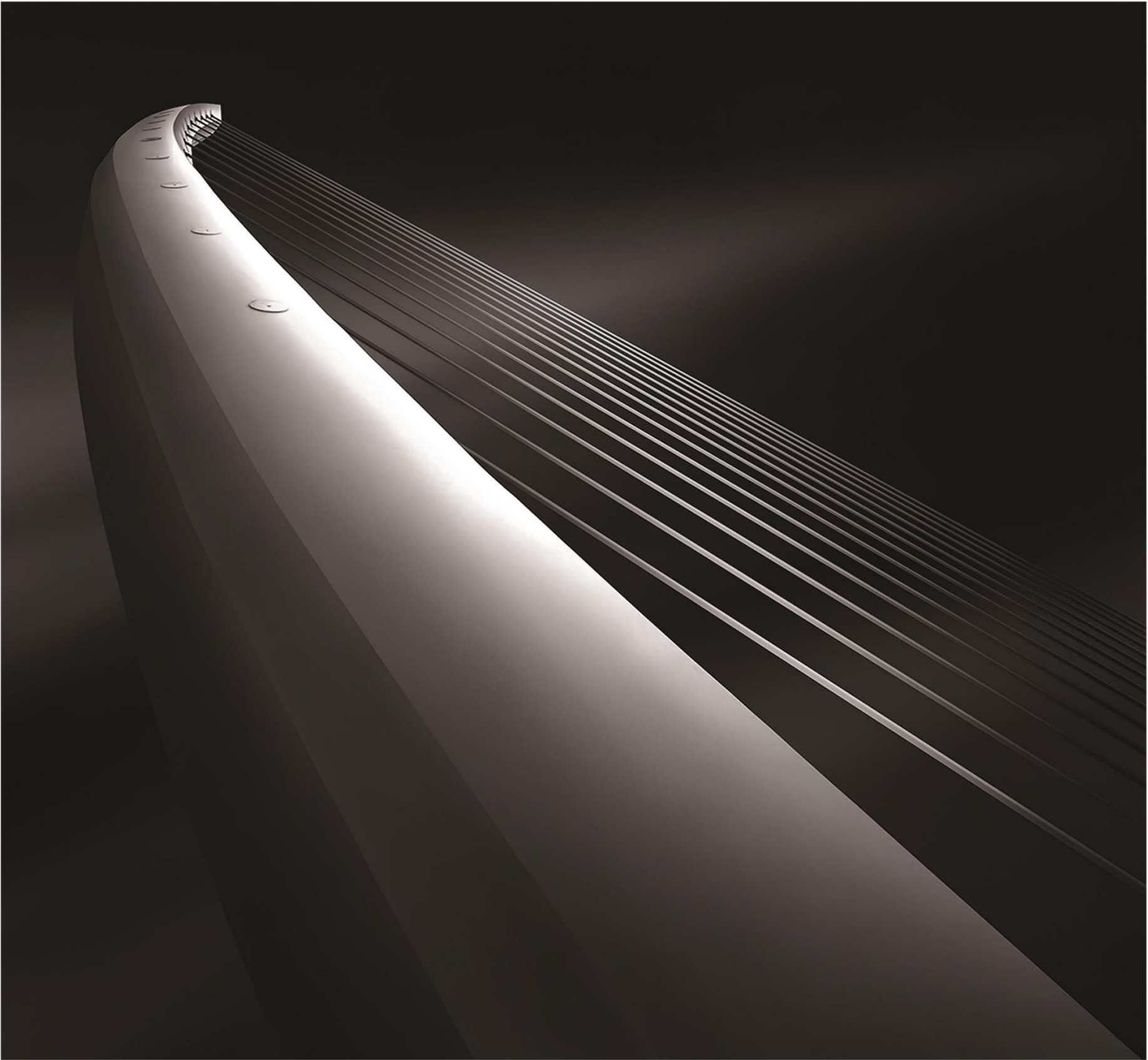
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CONTENTS

SHENZHEN BITVISUS TECHNOLOGY LIMITED

COMPANY PROFILES	Company profile.....1
	Company caluture2
	Honor and quality2
	Developing3
MULTI-SCREEN EXPANDER	BIT-MSE-4K60-104HD4
	BIT-MSE-4K60-104PRO6
	BIT-MSE-HDBT-4K60-104PRO.....8
	BIT-MSE-4K60DVI-104PRO.....10
	BIT-MSE-4K60-204HD.....12
VIDEO WALL CONTROLLER	BIT-VWC-409R14
	BIT-VWC-U1-418R16
	BIT-VWC-U1-11618
	BIT-MSE-U1-41620
	BIT-MSE-U2-43222
HDMI MATRIX MULTI-VIEWER	BIT-Ma-ADI-090924
	BIT-Ma-GS-2.0-040426
	BIT-MV-4K-160128
NETWORK EXTENDER	BIT-Ex-HDBT-4K-10030
	BIT-Ex-GS-4K6032
	BIT-Ex-4K-Fib-KVM34
	BIT-Ex-Fib-4K60-KVM36
	BIT-Ex-U338

COMPANY PROFILE



Shenzhen Bitvisus Technology Limited is a leading enterprise focusing on the development, production and sales of a series of products with FPGA image processing technology and high-definition audio and video signal transmission as the core. The main products include Video wall controller, multi-screen expander, multi-screen fusion device, picture processor, HDMI matrix, HDMI distributor, HDMI switcher, picture splitter, network extender, optical fiber transmitter, HDMI optical terminal machine, DVI optical terminal machine, KVM extender and other products. It is widely used in: projection, splicing, exhibition, touch interaction, advertising media and other fields.

Bitvisus has a strong R & D team, with more than 10 experienced engineers working in the company, most of the core member from Huawei, ZTE, Xilinx and other industry-leading companies, with more than 15 years of rich experience in the audio and video industry, to provide customers with different products, OEM/ODM services. Assist customer business success. Bitvisus own brand: Bitvisus products based on domestic, exported to Europe, the United States, the Middle East, facing the world and won the unanimous praise of customers, the company has a complete and scientific quality management system, with believe the "customer first, quality first, reputation first" business philosophy, to become the leader of the video industry, welcome friends from global market, guidance and business negotiations.

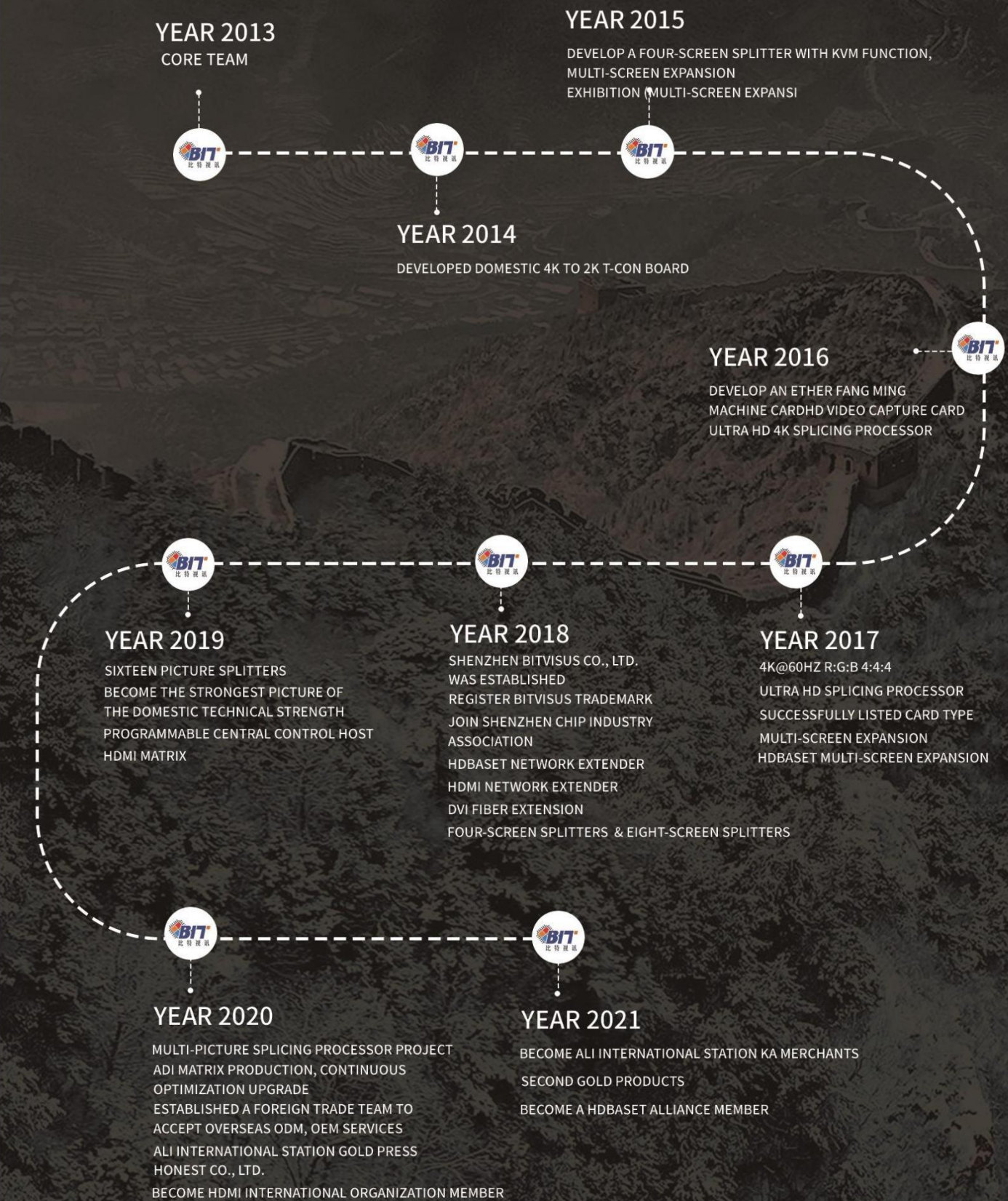
COMPANY CLUTURE



HONOR&PATENT



DEVELOPMENT



BIT-MSE-4K60-104HD

4K multi-screen expander



Product profile

BIT-MSE-4K60-104HD Creative super clear processor which also is a industrial-grade high-performance product developed for multi-desktop running and multi-channel projection fusion demand, using HDMI / DP input interface, HDMI output.

Product features

- 1.BIT-MSE-4K60-104HD creative ultra-clear processor is an industrial-grade high-performance product be specially developed for the integration of multi-desktop operation and multi-channel projection. It adopts HDMI/DP input interface and HDMI output
- 2.Super high resolution, the single output supports a maximum resolution of 4x1920x1200@60Hz, which is downward compatible with low resolution.
- 3.Support 1xN, pixel per pixel, no stretching, no deformation, and a wider field of vision.
- 4.Adopt high-end programmable FPGA chip with 45nm technology, full hardware real-timeprocessing architecture, ultra fast processing speed without delay.
- 5.Industrial design, thickened 6-layer PCB board, 16KV super strong anti-static ability,super product stability.
- 6.Support parallel operation to meet the real-time display requirements of large screen.
- 7.Low power consumption, energy saving and environmental protection design. Conductiveheat dissipation is used inside without any external heat dissipation measures.



Specification

Parameter name	BIT-MSE-4K60-104HD
Single inputs port support	600MHz
Single outputs port support	165MHz
Input port	HDMI or DP (choose one, HDMI priority)
Output port	4 HDMI output
3 screens support typical resolution	3x1920x1200@60Hz 3x1920x1080@60Hz 3x1280x800@60Hz 3x1024x768@60Hz
4 screen support typical resolution	4x1920x1200@60Hz 4x1920x1080@60Hz 4x1280x800@60Hz 4x1024x768@60Hz
Product factory default resolution	3072x768@60Hz
Row 1 Clomun 3 splicing mode	5760x1200@60Hz
Row 1 Clomun 7 splicing mode	7680x1200@60Hz
Normal HDMI cable output distance	15 meters
Power	12V @ 2A AC-DC power supply
Warranty	1 Year

BIT-MSE-4K60-104PRO

4K Multi screen expansion

Product profile

BIT-MSE-4K60-104PRO is a ultra-high resolution vdieo wall splicer, an industrial-grade high performance product specially developed for the needs of multi-desktop operation and multi channel projection fusion.It uses HDMI/DP inputi interface and HDMI output. Singal output support output up to 3840*2160@60hz resolution.

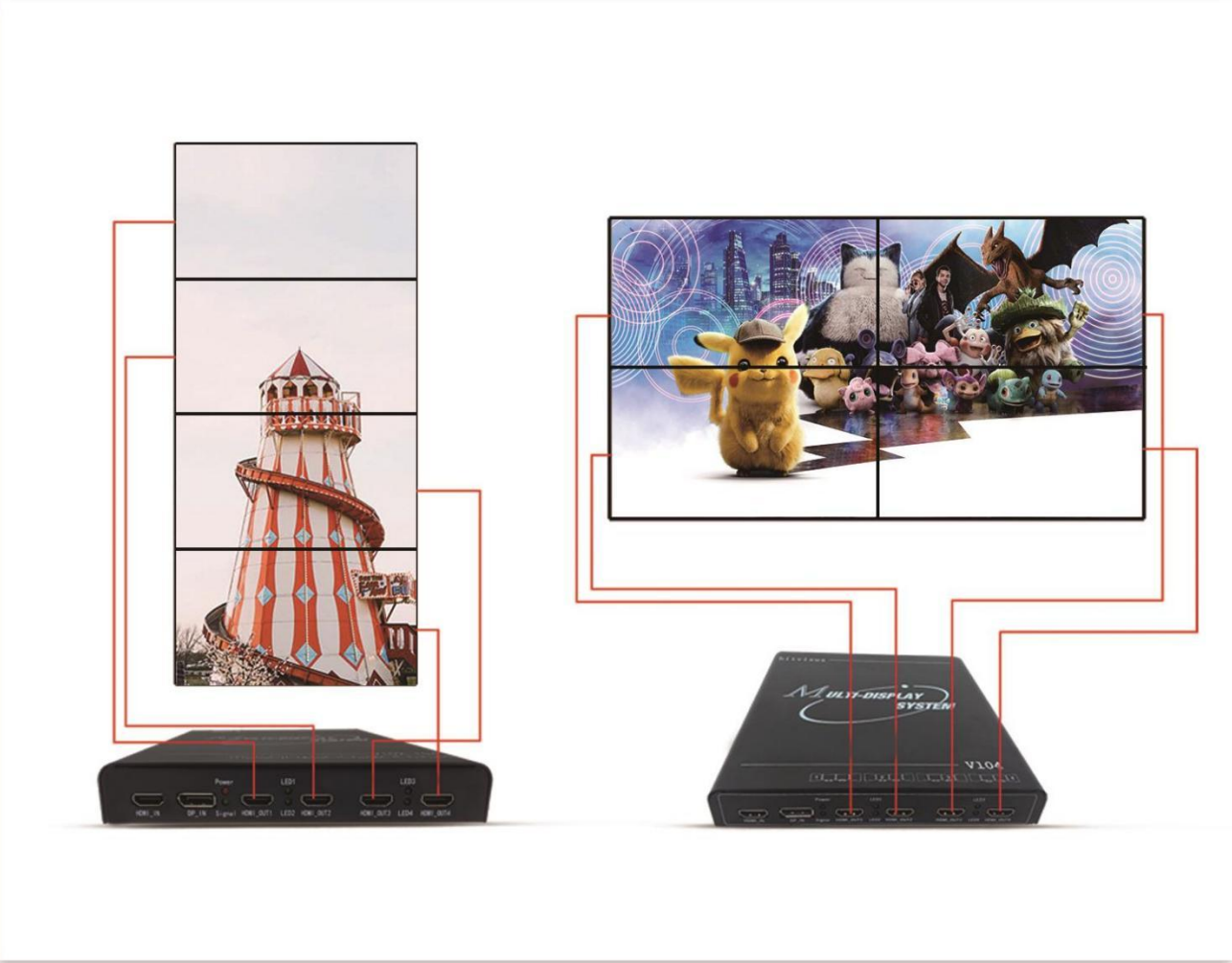


Product features

- 1.This is an industrial-grade high-performance product specially developed for the needs of multi-desktop operation and multi-channel projection fusion. It uses HDMI/DP input interface and HDMI output.
- 2.Super high resolution, the output supports a maximum resolution of 4x1920x1200@60Hz/1920x1200x4@60Hz, which is backward compatible with low resolution.
- 3.Support 1xN, Nx1, MxN and 90 ° rotation ratio stitching, without stretching, deformation,and wider field of vision.
- 4.Adopt high-end programmable FPGA chip with 45nm technology, full hardware real-time processing architecture, ultra fast processing speed without delay.
- 5.Industrial-grade design, thickened 6-layer PCB board, 16KV super strong anti-static ability, super product stability.
- 6.Support parallel operation to meet the real-time display requirements of large screen.
- 7.Low power consumption, energy saving and environmental protection design. Conductive heat dissipation is used inside without any external heat dissipation measures.

Specification

Parameter name	BIT-MSE-4K60-104PRO
Single Maximum Input pixel	600MHz
Single Maximum Outputpixel	330MHz
Input interface	HDMI, DP (Only could plug only)
Output interface	4 HDMI
3 Splicing screens mode resolution	3x1920x1200@60Hz 1920x1200x3@60Hz 3x1280x800@60Hz 1024x768x3@60Hz
4 Splicing screens mode resolution	4x1920x1200@60Hz 1920x1200x4@60Hz 2x1920x1200x2@60Hz 4x1024x768@60Hz
Default resolution	3840x2160@60Hz
Row 2 Column 2	3840x2400@60Hz
Row 2 Column 1/ Row 1 Column 2	7680x2160@30Hz / 3840x4320@30Hz
Row 1 Column 3 /Row 3 Column 1	1920x3600@60Hz / 5760x1200@60Hz
Row 1 Column 4/Row 4 Column 1	1920x4800@60Hz/7680x1200@60Hz
Normall HDMI cable output	15 meters
Power	12V@2A AC-DC
Warranty	1 Year



BIT-MSE-HDBT-4K60-104PRO

4K Multi-screen Extender



Product profile

BIT-MSE-HDBT-4K60-104PRO is an industrial-grade high-performance product specially developed for the needs of multi-channel Projector fusion, no compression, Pixel per pixel, no deformation, no stretching. HDMI/DP input interface, HDBaseT standard network port output, transmission distance up to 70 meters, dual-purpose card/multi-screen treasure, resolution up to 3840x2400@60Hz, downward compatible with low resolution.

Product features

1. BIT-MSE-HDBT-4K60-104PRO is an industrial-grade high-performance product specially developed for the needs of multi-channel projection integration, Adopt DP or HDMI input interface, HDBaseT standard network port output, dual-purpose card/multi-screen treasure;
2. Open RS232 interface, which can be connected to central control equipment;
3. ① BIT-MSE-HDBT-4K60-104PRO version, the resolution is up to 3840x2400@60Hz, backward compatible with low resolution Support custom horizontal screen (7680x1200@60Hz) and vertical screen (1920x4320@60Hz);
② BIT-MSE-HDBT-4K60-104HD version, the highest resolution supports 7680x1200@60Hz, backward compatible with low resolution;
4. Using 28nm process high-end programmable FPGA chip, full hardware real-time processing architecture, ultra-fast processing speed without delay;
5. Industrial-grade design, thickened 6-layer PCB board, 16KV super anti-static ability, super product stability;
6. Support EDID lock, support parallel use, to ensure the real-time display requirements of the large screen;
7. Low power consumption, energy saving and environmental protection design, internal conduction heat dissipation, no external heat dissipation measures, and extremely high reliability.



Specification

Parameter name	BIT-MSE-HDBT-4K60-104PRO
Max video pixel of single input port	600MHz
Max video pixel of single output port	165MHz
Input port	HDMI ports, DP ports (Choose one of the two, HDMI priority)
Output port	4 HDBT standard network port output
3 screens support typical resolution	3x1920x1200@60Hz 1920x1200x3@60Hz 3x1280x800@60Hz 1024x768x3@60Hz
4 screens support typical resolution	4x1920x1200@60Hz 1920x1200x4@60Hz 2x1920x1200x2@60Hz 4x1024x768@60Hz
Default resolution	3840x2160@60Hz
Row 2 Clomun 2 highest supported resolution	3840x2400@60Hz
Row 1 Clomun 3/3 x1 supported resolution	1920x3600@60Hz/5760x1200@60Hz
Row 4 Clomun 1/1x4 supported resolution	1920x4800@60Hz/7680x1200@60Hz
Transmitting distance	70/100 meters
Power	12V@2A AC-DC power
Warranty	1 Year

BIT-MSE-4K60DVI-104PRO

4K multi-screen expander

Product profile

BIT-MSE-4K60DVI-104PRO Creative Super Clear processor is a industrial-grade high-performance product developed for multi-desktop running and multi-channel projection integration requirements, using HDMI / DP input interface, DVI output interface. Ultra-high resolution, maximum support resolution 3840x2400 @ 60Hz, downward, low resolution, point-to-point, no stretch, no deformation. Low-power energy-saving and environmentally friendly design, internal use of conductive heat dissipation, no external heat dissipation measures, high reliability is extremely high.

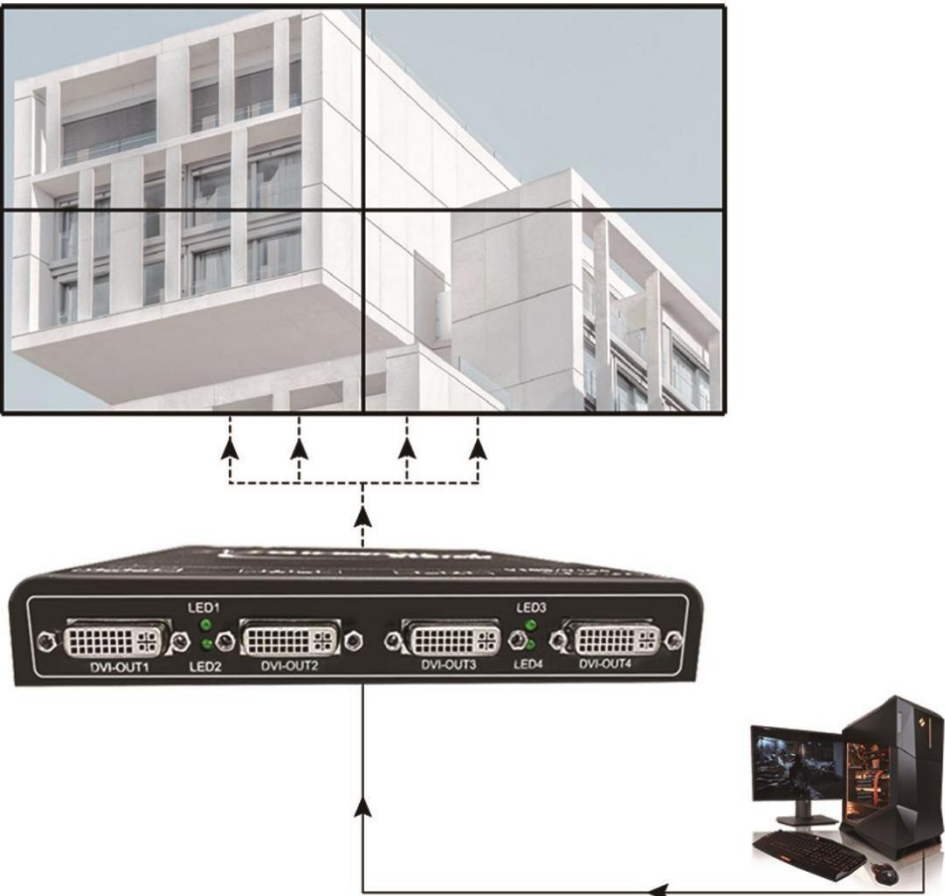


Product features

- 1.BIT-MSE-4K60DVI-104PRO Creative super clear processor is a industrial-grade high-performance product developed for multi-desktop operation and multi-channel projection fusion demand, using HDMI / DP inputinterface, DVI output interface;DP input interface and HDMI output.
- 2. Ultra-high resolution, the highest support resolution 4 * 1920 * 1200 @ 60Hz / 1920 * 1200 * 4 @ 60Hz, downward and low resolution;
- 3. Support 1 * n, n * 1, m * n, and point-to-point splicing, no stretching, not deformable, and broadening.
- 4. The 28nm process high-end programmable FPGA chip, full-hardware real-time processing architecture, ultra-fast processing speed is not delayed.
- 5. Industrial-grade design, thickening 6-layer PCB plate, 16kV super anti-static capacity, super product stability.
- 6. Support in parallel to ensure large-screen real-time display requirements.
- 7. Low power energy-saving and environmentally friendly design, internal use of conductive heat dissipation, no external heat dissipation measures, high reliability is extremely high.

Specification

Parameter name	BIT-MSE-4K60DVI-104PRO
Single inputs port support	600MHz
Single outputs port support	165MHz
Input port	HDMI interface, DP interface (two choices, HDMI priority)
Output port	4 DVI output
3 screen support typical resolution	3x1920x1200 @ 60Hz 3x1920x1080 @ 60Hz 1920x1200x3 @ 60Hz 1920x1080x3 @ 60hz
4 screen support typical resolution	4x1920x1200 @ 60Hz 4x1920x1080 @ 60Hz 1920x1200x4 @ 60Hz 1920x1080x4 @ 60hz
Product factory default resolution	3840x2160 @ 60hz
2x2 maximum support resolution	3840x2400 @ 60hz
3x1 / 1x3 maximum support resolution	1920x3600 @ 60Hz / 5760x1200 @ 60Hz
4x1 / 1x4 maximum support resolution	1920x4800 @ 60Hz / 7680x1200 @ 60Hz
Output distance	15 meters
power supply	12V @ 2A AC-DC power supply
Warranty	One year



BIT-MSE-4K60-204HD

4K Multi screens expansion

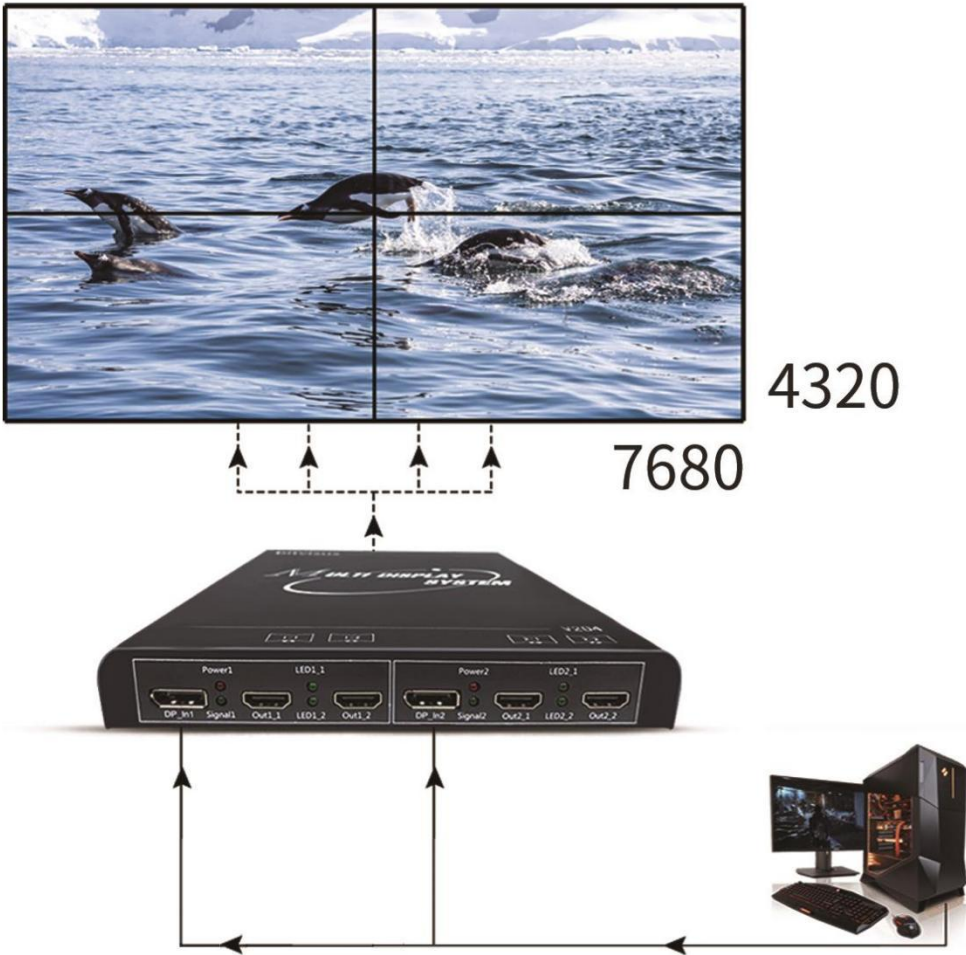


Product profile

BIT-MSE-4K60-204HD is a two inputs high definition video wall processor. One single output port support output up to 4k60 resolution. Which support handle 4 screens 4k splicing screens video wall.

Product features

- 1. BIT-MSE-4K60-204HD is a device support DP inputs HDMI outputs. Which could be used for vide projector . and pixel per pixel video wall.
- 2. Support output high resolution , up to 8k.
- 3. Support transverse splicing Row N * Column 1, No extending no stretching.
- 4. Hardware design, no delay no computer virus.
- 5. 16Kv super anti-static ability, super product stability.
- 6. Support parallel use to ensure the real-time display demand of large screen / projection integration.



Specification

Parameter name	BIT-MSE-4K60-204HD
Input resolution support	600MHz
Output resolution support	330MHz
Input port	2 DP ports
Output port	4 HDMI ports
2 Screens splicing mode resolution	2x1920x1200@60Hz 2x1920x1080@60Hz 2x1024x768@60Hz 2x1280x720@60Hz 2x3840x2160@30Hz
Defaut resolution	3840x1200@60Hz
Row 1 Column 2 splicing mode	7680x2160@30Hz
Row 2 Column 2 splicing mode	7680X4320@30Hz
Row 1 Column 4 splicing mode	15360x2160@30Hz
Output cable distance	15 meters
Power	12V@2A AC-DC
Size	186mmx204mmx29mm
Warranty	1 Year



Product features

-

Product specification

Parameter name	BIT-VWC-409R
Maximum inputs pixel	600Mhz
Maximum output resolution	3840*2160@60Hz
DP port	Display port1.2x1
HDMI port	HDMI2.0x1, HDMI1.4x3
Maximum output pixel	165Mhz
HDMI output resolution	1920*1080@60Hz
Output port	HDMI1.3x9
Loop port	Display port1.2x1
Audio output	3.5mm earphone port
Control way	IR 、PC app
Default resolution	HDMI:3840*2160@30Hz DP:3840*2160@60Hz
Customized resolution	✓
Working temperature	0°C-50°C
Power consumption	12W
Power	12V@2A AC-DC
Size	Length: width: height (270mm * 143.5mm * 20.5mm)
appendix	1 DP cable (loop)

BIT-VWC-U1-418R

Ultra HD rotary splicer

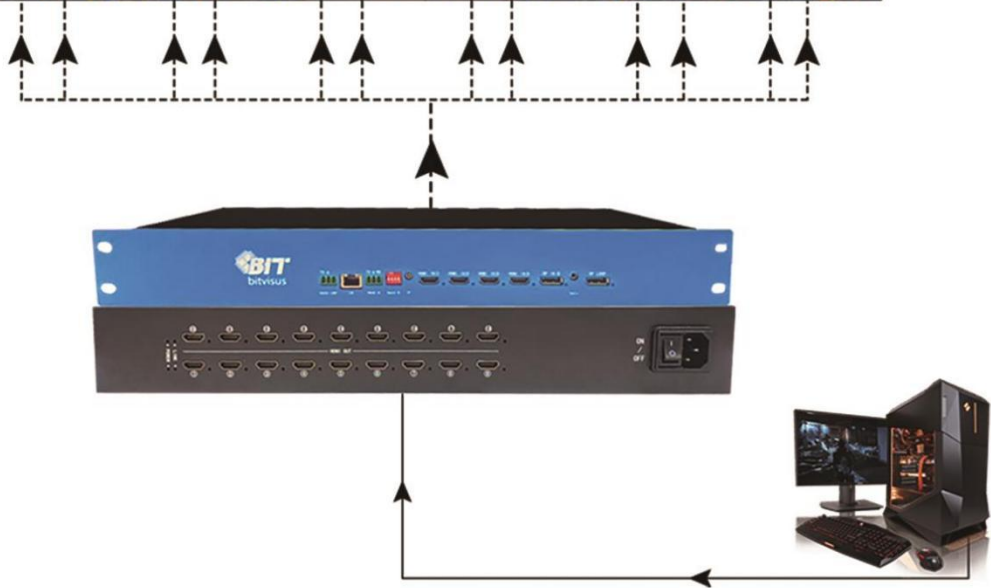


Porduct profile

Bit-vwc-u1-418r is a new ultra-high definition rotary splicer launched by bit video. It supports 4 channels of HDMI input, 1 channel of DP input and 18 channels of HDMI output. It can open up to 4 windows on the whole screen, and supports a variety of window opening modes. The input supports 90 ° rotation of the whole screen, and the output supports 180 ° rotation of the first line without stretching and deformation. There is no need to compress the input source, and the picture is clear.

Product features

- 1.Bit-vwc-u1-418r is a new ultra-high definition rotary splicer launched by bit video.It supports 4 channels of HDMI input, 1 channel of DP input and 18 channels of HDMI output.
- 2.Maximum 4 windows can be opened on the whole screen, and multiple window opening modes are supported (single picture, double picture picture in picture, double picture edge picture and four picture segmentation), The input source channel can be arbitrarily assigned to the windowing screen.
- 3.Maximum inputs support 3840x2160@60Hz , downward compatible. Output maximum single channel support 1920x1080@60Hz
- 4.The input supports 90 ° rotation of the whole screen (only supported in single screen mode), and the output supports 180 ° rotation of the first line (only supported when the splicing mode is two lines).
- 5.No stretching, no deformation, no need to compress the input source, and the picture is clear.
- 7.Support computers, Android boxes, game consoles and other devices as input sources
- 8.Standard 1U industrial chassis is easy to install and operate. It supports 7x24 hours of uninterrupted work and 90-264v AC power supply.



Specification

Parameter name	BIT-VWC-U1-418R
Inputs port maxium support pixel	600Mhz
DP input port	Display port1.2x1
HDMI input port	HDMI2.0x1, HDMI1.4x3
Output maximum resolution	3840*2160@60Hz
Single output port support	1920*1080@60Hz
HDMI output interface	HDMI1.3x18
Output cable maximum support	HDMI:3 meters
Input cable maximum support	DP:3 meters
	HDMI:10 meters
Audio output	3.5mm headphone socket
Control	IR 、 PC PROGRAM CONTROL (RS232 series port)
Defunt resolution	HDMI:3840*2160@30Hz DP:3840*2160@60Hz
Power	100~240V
Size	440mm*144mm*60.5mm

BIT-VWC-U1-116

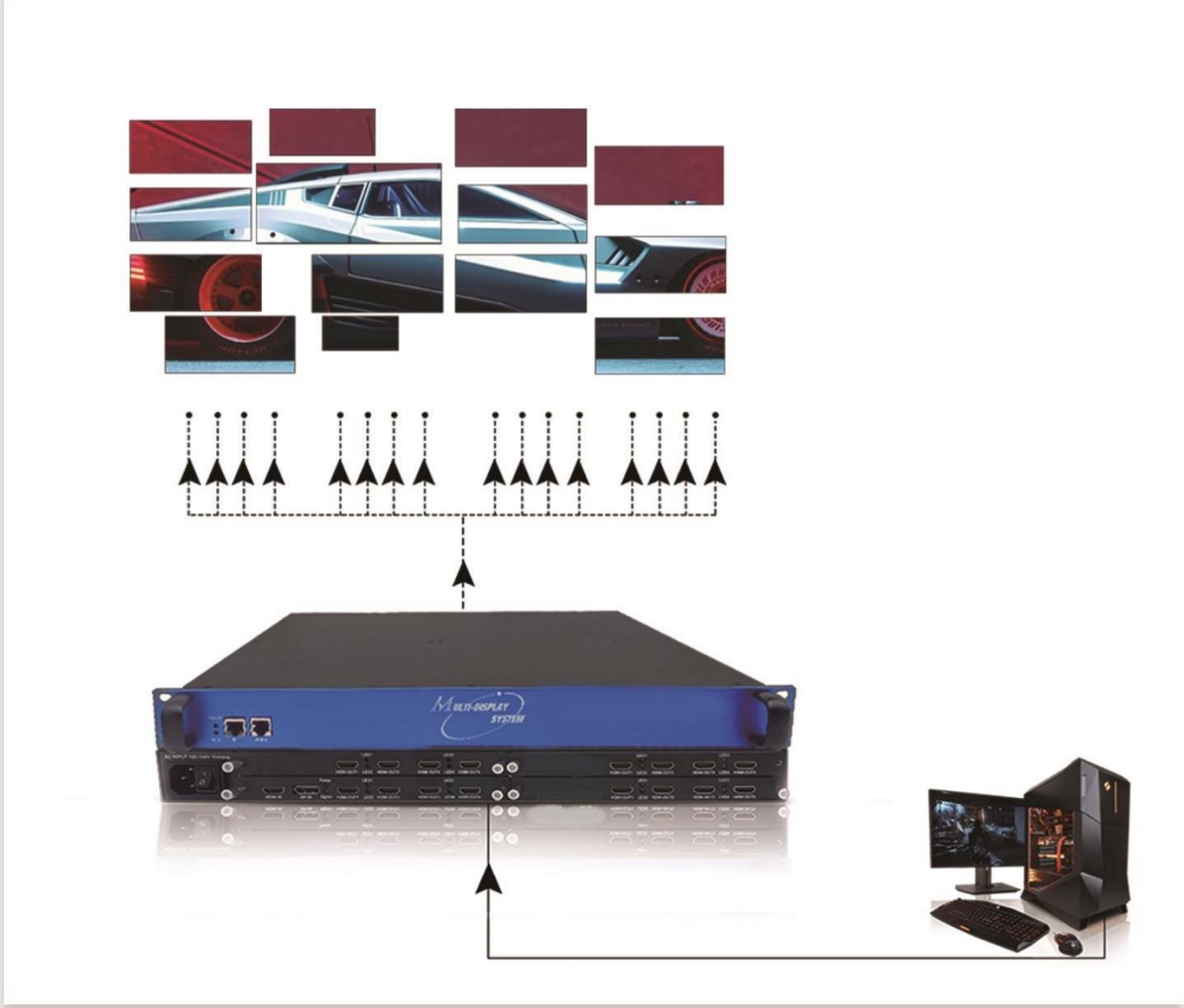
Ultra HD splicing processor

Product profile

BIT-VWC-U1-116 is an industrial-grade high-performance product newly launched by Bitvisus. The max resolution of a single unit supports up to 8Kx2K. Mainly used in horizontal screen special-shaped splicing, ultra-high-definition resolution video surveillance center, super large screen, multi-channel projection fusion, large advertising screen in store, exhibition display and other industry applications.

Product features

- 1. This is an industrial-grade high-performance product with ultra-high-definition resolution and supports up to 8Kx2K.
- 2.The maximum support is 1 in and 16 out, and multiple splicing modes can be arbitrarily combined (such as horizontal screens or vertical screens or special-shaped splicing), and support massive parallel use.
- 3.entralized power supply with wide voltage (100 ~ 240V), low power consumption, energy-saving and environmental protection design. Conductive heat dissipation is used internally, without any external heat dissipation measures, and its reliability is extremely high.
- 4. Support Web network control.
- 5.Adopt high-end programmable FPGA chip with 28nm technology, full hardware real-time processing architecture, ultra-fast processing speed without delay.
- 6.ndustrial design, thickened 6-layer PCB board, 16KV super strong anti-static ability, super product stability.
- 7.Supports large-scale parallel use to ensure real-time display requirements for large screens.



Specification

Parameter name	BIT-VWC-U1-116
Single inputs port support	600MHz
Single outputs port support	165MHz
4x4 max supported resolution	5120x2880@30Hz
3x5 max supported resolution	6400x2160@30Hz
5x3 max supported resolution	3840x3600@30Hz
3x3 max supported resolution	5760x3240@30Hz
Support customized resolution	Yes
Input port	1 DP ports 1HDMI ports 1 RJ45 network port 1RJ45debugging port
Input port	1~16HDMI ports
Size	482.6mm*396.8mm*44mm
Weight	5kg
Power	100~240V
Warranty	1 Year

BIT-MSE-U1-416

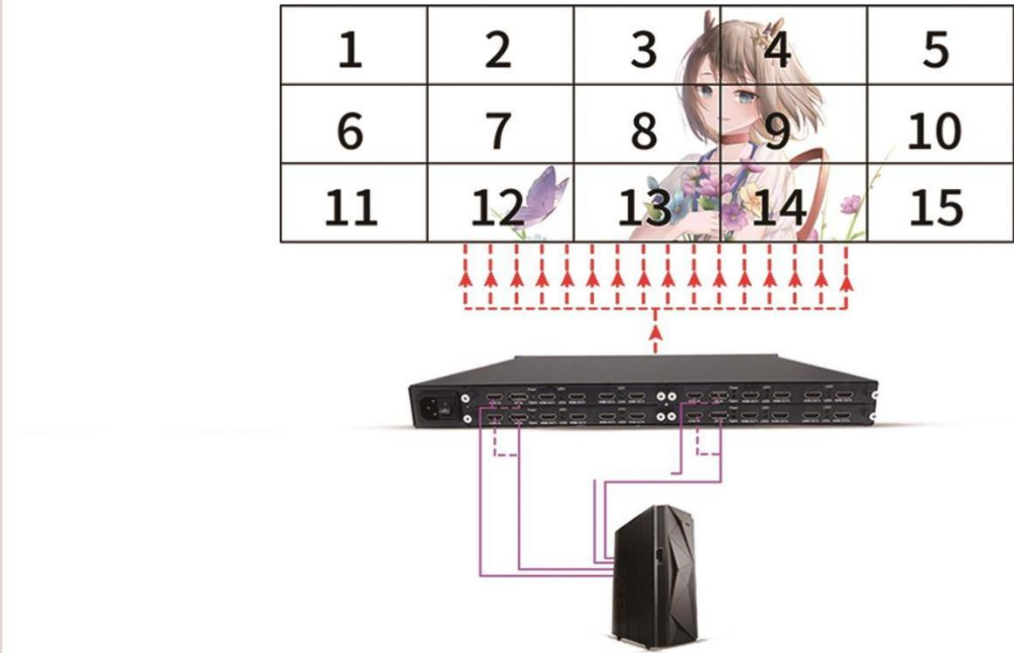
Ultra HD splicing processor

Product profile

BIT-MSE-U1-416 is an Ultra HD splicing processor, maximum output resolution up to 8kx4k@60Hz. Support multi splicing mode: Row . Column. 3x5、5x3、2x7、7x2、4x4.Could handle within 16 screens pixel per pixel.No extending, no stengthen. Could customized mode for the user.

Product features

- 1.BIT-MSE-U1-416 is an industrial-grade and high-performance product, and its ultra-high-definition resolution supports up to 8Kx2K@60Hz.
- 2.Adopt wide voltage (100~240V) centralized power supply, low power consumption, energy saving and environmental protection design. Conductive heat dissipation is adopted internally, no external heat dissipation measures are required. High reliability.
- 3.Using 28nm process high-end programmable FPGA chip, it has full hardware and real-time processing architecture, making processing speed ultra-fast without delay.
- 4.Support EDID lock,
- 5.Any splicing needs can be customized according to user needs.
- 6.Horizontal screens / vertical screens / odd-numbered screens splicing, and supports large-scale parallel use.



Specification

Parameter name	BIT-MSE-U1-416
Single inputs port support	600MHz
Single outputs port support	165MHz
Row 4 Column 4 splicing mode	7680x4800@60Hz
Row 7 Column 2 splicing mode	3840x8400@60Hz
Row 2 Column 7 splicing mode	13440x2400@60Hz
Row 5 Column 3 splicing mode	9600x3600@30Hz
Row 5 Column 3 splicing mode	5760x6000@30Hz
Row 2 Column 5 splicing mode	9600x2400@60Hz
Row 5 Column 2 splicing mode	3840x6000@60Hz
Row 16 Clomun 1 splicing mode	1920x19200@60Hz
Row 1 Clomun 16 splicing mode	30720x1200@60Hz
Row 1 Clomun 5 splicing mode	9600x1200@60Hz
Row 5 Clomun 7 splicing mode	13440x1200@60Hz
Default resolution	3840x2400@60Hz
Support customized resolution	Yes
Input port	4 DP ports 4 HDMI portS
Output port	4~16个HDMI outpus
Size	482.6mm*396.8mm*44mm
Weight	5kg
Power	100~240V
Warranty	1 Year

BIT-MSE-U2-432

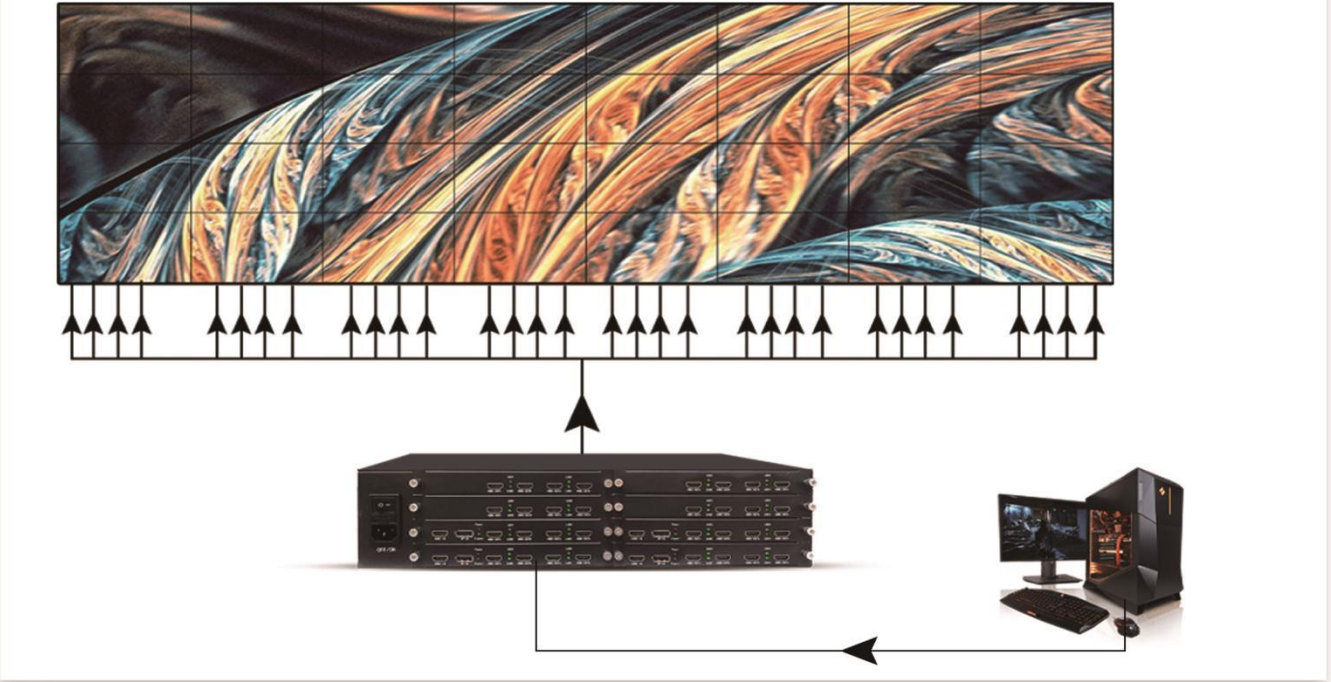
UHD video wall processor

Product profile

BIT-MSE-U2-432 is an industrial high-performance UHD splicing processor, which can realize all splicing modes within 32 screens: horizontal screen / vertical screen / odd screen splicing, 4 HDMI / DP input interfaces and 32 HDMI output interfaces. Its UHD resolution is up to 16kx4k, full hardware real-time processing architecture, pixel per pixel, no deformation, no stretching, no control, plug and play.

Product features

- 1. Bit-mse-u2-432 is an industrial high-performance product. Its ultra-high definition resolution supports up to 16kx4k,On the basis of bit-mse-u1-416, 16 output ports are upgraded to 32 ports.
- 2. The maximum support is 4 in and 32 out, and all splicing modes within 32 screens can be combined arbitrarily: horizontal screen / vertical screen / odd screen splicing,
- 3. The input supports EDID locking, and the output mode can realize resolution adaptation.
- 4. Wide voltage (100 ~ 240V) centralized power supply, low power consumption, energy conservation and environmental protection design, internal fan cooling, no external cooling measures are required, and the reliability is very high.
- 5. Adopt 28nm process high-end programmable FPGA chip, full hardware real-time processing architecture, ultra fast processing speed without delay.
- 6. Industrial design, thickened 6-layer PCB board, 16Kv super anti-static ability and super product stability.
- 7. Any splicing requirements can be customized according to user requirements.



Product specification

Parameter name	BIT-MSE-U2-432
Single port maximum input pixel	600MHz
Single port maximum output pixel	165MHz
4 ROW 8 COLUMN SPLICING MODE	15360x4320@30Hz
4 ROW 7 COLUMN SPLICING MODE	13440x4320@30Hz
7 ROW 4 COLUMN SPLICING MODE	7680x7560@30Hz
3 ROW 5 COLUMN SPLICING MODE	9600x3240@60Hz
5 ROW 3 COLUMN SPLICING MODE	5760x5400@60Hz
5 ROW 5 COLUMN SPLICING MODE	9600x5400@30Hz
11 ROW 2 COLUMN SPLICING MODE	3840x11880@30Hz
1 ROW 11 COLUMN SPLICING MODE	30720x1080@60Hz
16 ROW 1 COLUMN SPLICING MODE	1920x17280@60Hz
6 ROW 5 COLUMN SPLICING MODE	9600x6480@30Hz
3 ROW 7 COLUMN SPLICING MODE	13440x3240@60Hz
Default resolution	3840x2160@60Hz
Customized resolution	✓
Input port	4 Display Port 4 HDMI Port
Output port	4~32 HDMI ports
Size	482.6mm*396.8mm*44mm
Weight	5kg
Power	100~240V
Warranty	1 Year

BIT-Ma-ADI-0909

4K30 Video switcher

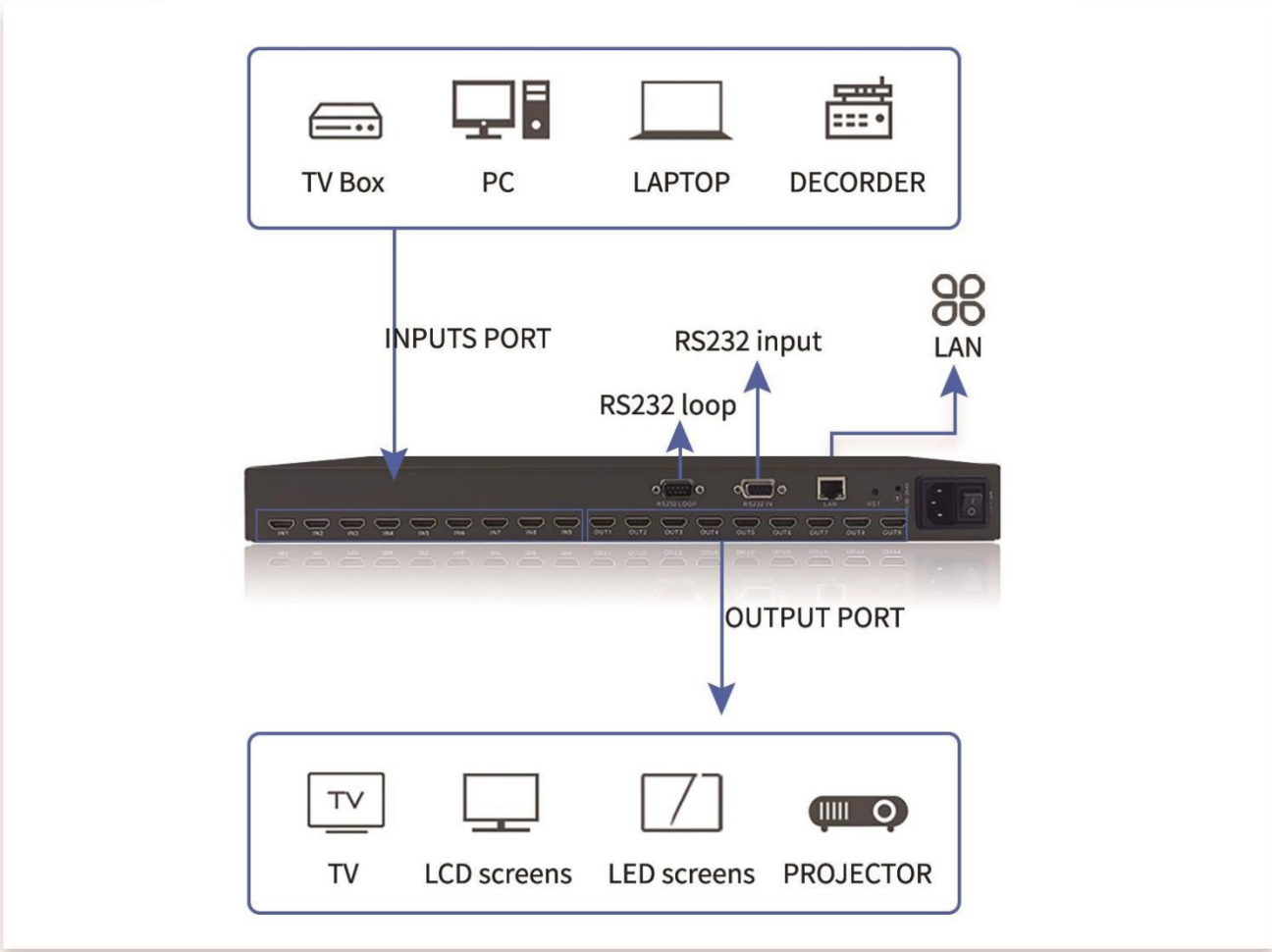


Product profile

BIT-Ma-ADI-0808 is a 8 input 8 output all-digital ultra-clear matrix switcher, which supports a resolution of up to 4Kx2K, supports 3D video, HDCP1.4 specification, 16 bit color depth. It can provide customers with a non-destructive, real-time, ultra-clear, full digital experience. Provide a variety of control interfaces (RS232, TCP / IP) to meet customer control needs.

Product features

- 1.Support 8 HDMI video inputs and cross switching of 8 HDMI video outputs;
- 2.Support the highest resolution 4K x 2K, support 3D video.;
- 3.The front panel LCD shows the real-time feedback status. If there is no operation for a long time, the display automatically enters the sleep low power state.;
- 4.Supports HDMI 1.4 protocol, HDCP1.4 protocol, and 3D TV, compatible with DVT 1.0 protocol;
- 5.Multiple control methods: keypad operation, RS-232, TCP / IP;
- 6.Flexible EDID reading mechanism to solve various connection compatibility issues;
- 7.Integrated multiple control protocols, convenient and quick to use with various central control equipment;
- 8.Product firmware can be upgraded on-site through the network port, which can easily provide remote support on site and customization of special functions for users.;
- 9.Powerful storage function, can store and recall multiple pre-stored switching modes;
- has power-down memory function, with power-off site protection function.



Specification

Parameter name	BIT-Ma-ADI-0909
Interfaces Amount	9 HDMI Output ports & 9 HDMI inputs ports
Control	RS-232, TCP/IP, IR & panel button control
Support resolution	4kx2k (4096×2160)
HDMI Version	HDMI1.4, support 3DTV
HDCP version	HDCP1.4
Inputs distance (normal HDMI cable)	3 meters
Outputs distance (normal HDMI cable)	15 meters
Power	110~220VAC
Work temperature	-20°~+70°C
Weight	5KG
Rated power	22W
Size	1U (440mmx263mmx44mm)
Warranty	1 Year

BIT-Ma-GS-2.0-0404

4K60Hz Video switcher

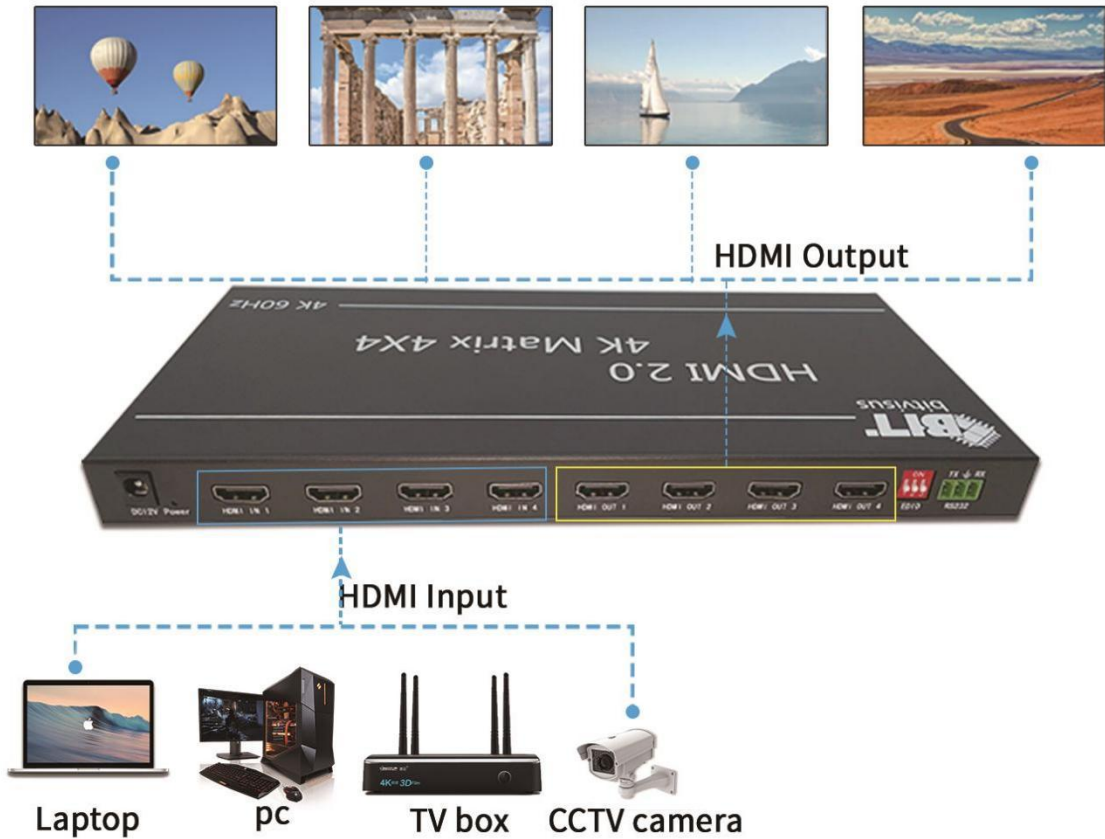


Product profile

BIT_Ma_GS_2.0_0404 is a 4-input 4-output all-digital ultra-clear matrix switcher, which can connect four HDMI signal sources to four displays at the same time, and can switch four HDMI signals easily and freely. It supports the highest resolution up to 3840x2160@60, supporting 3D video;HDMI 2.0, HDCP 2.2 as well as audio output, which can bring users a lossless and true ultra-clear digital experience.

Product features

- 1.Supports 4 HDMI inputs (4 4K@60Hz), 4 HDMI outputs (4K@60Hz).
- 2.Single device, 4 inputs and 4 outputs (compatible with 1 input and 4 outputs).
- 3.3For resolutions higher than 3840x2160, Only support the follow resolution: 5760x1080@60, 5760x1200@60, 7680x1080@60, but need to make flollow 2 steps to customize the graphics card (Step 1, set the current The resolution is 3840x2160, step 2, and then set the desired resolution)
- 4.No stretching, no deformation, no need to compress the input source, the picture is clear.
- 5.Supports 3D video.
- 6.Supports audio formats: DTS-HD/Dolby trueHD/L PCM/DTS/Dolby-AC3/DSD.
- 7.Supports HDMI audio output, audio separation.
- 8.Supports PDIF audio.
- 9.Supports panel button control and infrared remote control.



Specification

Parameter name	BIT-Ma-GS-2.0-0404
Maximum Input resolution	3840*2160@60Hz
Boundwith	18Gbps
HDMI intput port	HDMI2.0x4
Single output maximum resolution	3840*2160@60Hz
HDMI output port	HDMI2.0x4
Audio output	HDMI, 3.5mm earphone port
Control	Panel button control ; Ir control
Defaut resolution	1920*1080@60Hz
Work temperature	0°C-50°C
Powr consumption	12W
Power	12V@2A AC-DC
Size	270mm*122.5mm*20.5mm
Warranty	1 Year

BIT-MV-4K-1601

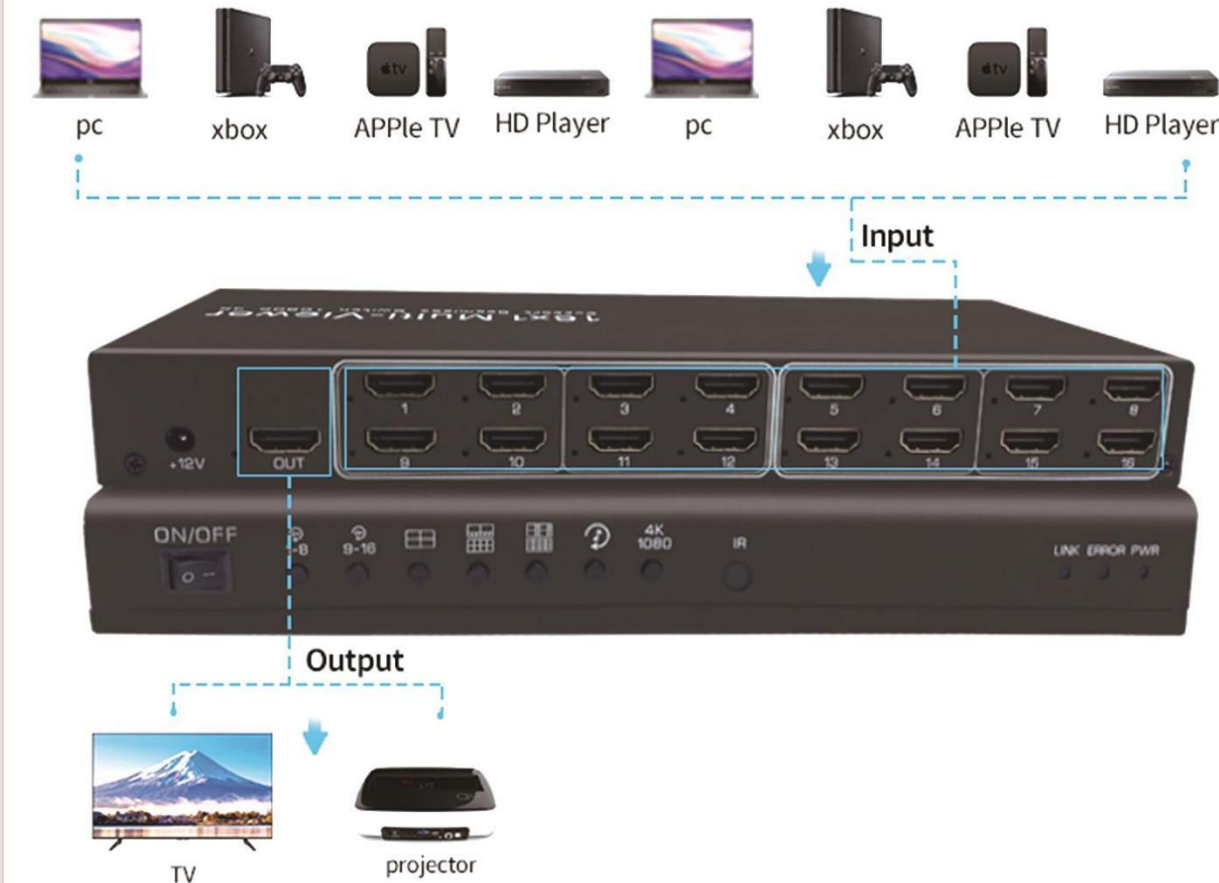
4K segmentation processor

Product profile

BIT-MV-4K-1601 is a super high-definition hexadecimal splitter developed by Bitvisus, providing a double or single-layer board solution. Maximum support for 16-way HDMI signal input, maximum input resolution supports 4K and 1080P, downward, low resolution. Maximum support 16 in 1 out, multiple segmentation modes can be combined, support seamless switching, mode automatic saving, users can be flexible. Support button, infrared remote, and users can be flexible.

Product features

- 1.This is an ultra high-definition sixteen screen splitter, which provides a double-layer or single-layer board solution.
- 2.Supports up to 16 HDMI signal inputs with a maximum input resolution of 1920x1080 @ 60Hz, which is backward compatible with low resolution.
- 3.Support one channel HDMI / DVI signal output. The output signal automatically recognizes HDMI / DVI. The highest output resolution is 3840x2160 @ 30Hz. You can choose the resolution according to different needs, such as 3840x1080 @ 60Hz, 2560x1440 @ 30/60Hz.
- 4.16-channel HDMI audio input. When the output is HDMI, any one of the 16-channel audio can be selected as the output.
- 5.Supports up to 16 in and 1 out, can be combined with multiple split modes, support mode zero delay switching, and mode is automatically saved, users can customize flexibly.
- 6.Support panel buttons, infrared remote control, users can flexibly customize.



Specification

Parameter name	BIT-MV-4K-1601
Input port	16 X HMDI interfaces support 1080p
Audio	1 Audio output
Output port	1 HDMI OUTPUT support output up to 3840*2160@30Hz
Output port	Singal mode ; 4 pictures ; 8 pictures mode
Splitting mode	16 pictures mode
control mode	IR control ; Panel button control
Power	12V@2A/AC-DC POWER
Power comsumption	12 W
Size	250MM X 115MM X 45MM

Product profile

BIT-Ex-HDBT-4k-100 high-definition video network extender is an extender product that transmits HDMI1.4 high-definition video signals through a category 6 network cable, which can effectively extend the video transmission distance to 100 meters.

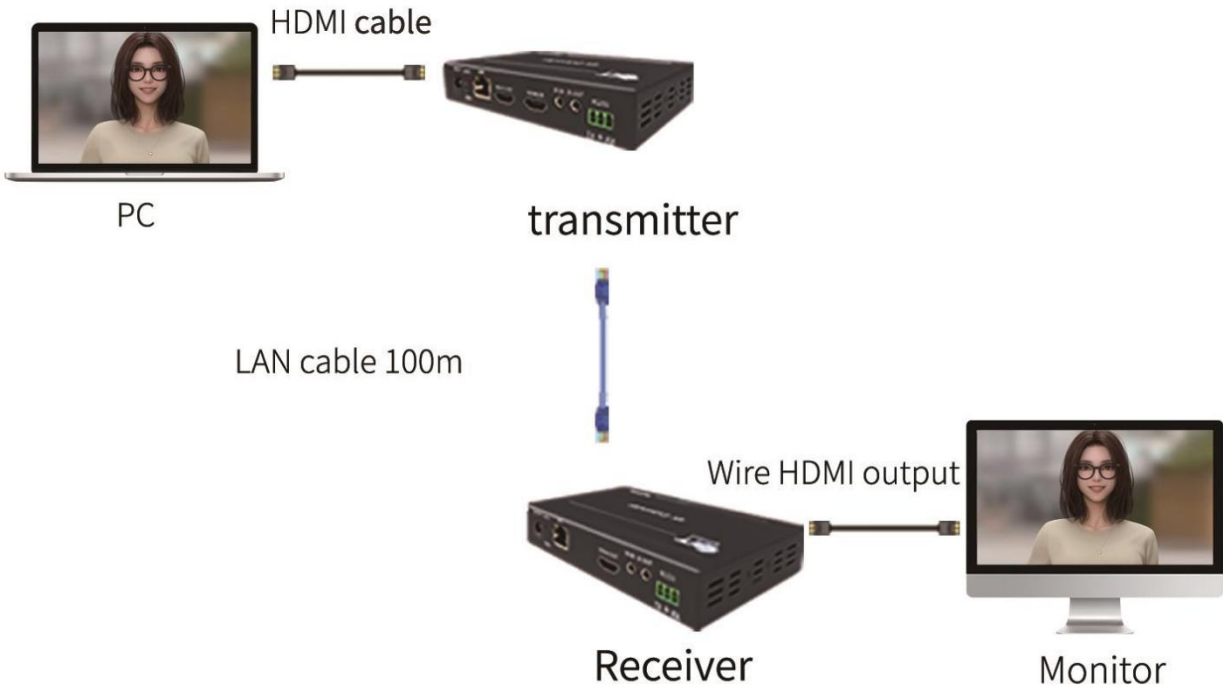
BIT-EX-HDBT-4K-100

HD Video Network Extender



Product features

- 1.It adopts HDMI1.4 standard, supports up to 4k*2k@30Hz resolution transmission, and is backward compatible with low resolution.
- 2.the HDMI interface resolution is 4k*2k@30Hz, it supports a Category 6 or Category 7 network cable with a maximum length of 100 meters.
- 3.Using standard HD-BaseT transmission protocol, long transmission distance, fast speed, uncompressed video signal, clear and smooth picture quality, reliable performance, strong stability, low failure rate, fanless low power consumption design can effectively reduce the difficulty of construction and after-sales cost.
- 4.The HDBaseT standard supports network cable POE power supply, and only needs to supply 12V power to a single (TX/RX) device.
- 5.Using pure hardware design architecture, plug and play, without any software driver.



Specification

	Parameter name	BIT-Ex-HDBT-4k-100
video	Typeagreement	HDMI1.4/HDCP1.2
	Pixelbandwidth	165MHz/330MHz, numbers
	Interfacebandwidth	The total bandwidth is 10.2Gbps
	Max resolution supported	4k*2k@30Hz
	Interface	HDMIports
	HDMI MaxI/Odistance	Less than 5 meters
RS232	Interface	Industrialterminal
	Signaldirection	Bidirectionaltransmission
	Baudrate	Adaptive,upto115200bps
Meshport	Databits	8bits
	Interface	StandardRJ45interface
	Recommendedmaximum transmissiondistance	4k*2k: Super Category 6 network cable 100 meters
Other	Power	DC 12V/2A
	Max power consumption	6W
	Temperature	Workingtemperature:-5°C~+70°C
	Humidity	Workinghumidity:5%~90%
	Outlinesize	105*76*27mm
	Qualityassurance	1 Year

Product profile

BIT-Ex-GS-4K60 high-definition network extender is an extender product that transmits HDMI2.0 high-definition video signals through a category 6 network cable, which can effectively extend the transmission distance.

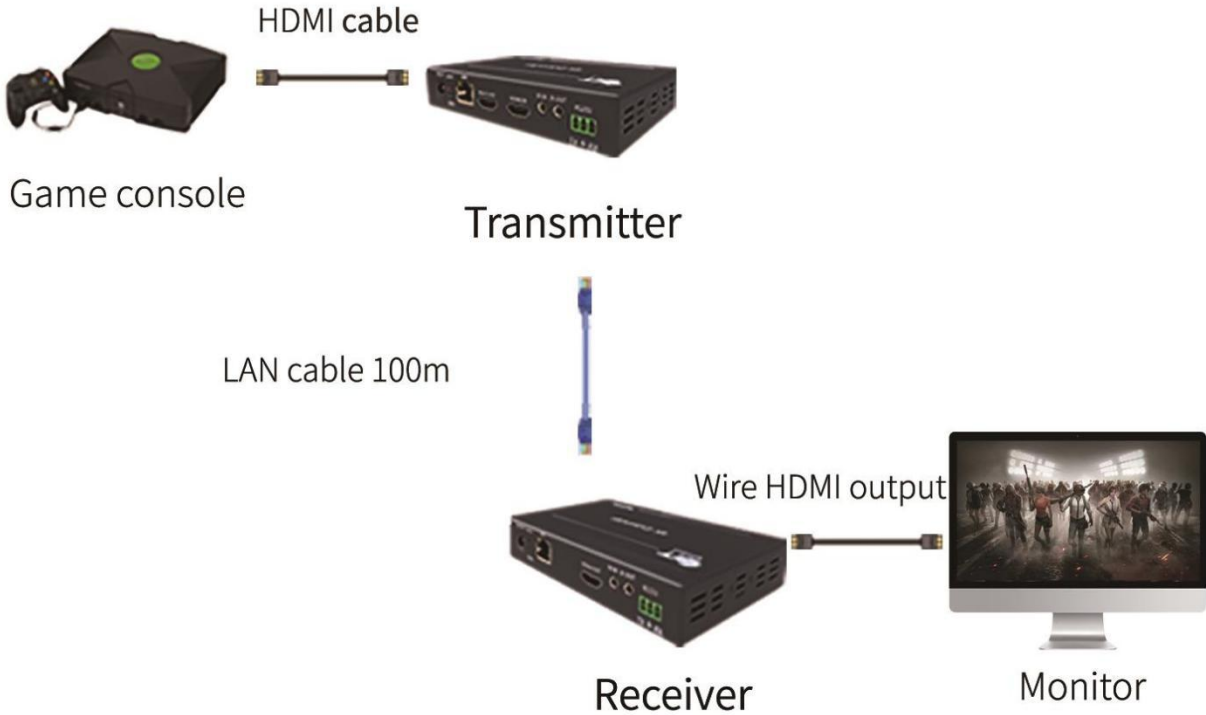
BIT-Ex-GS-4K60

HD Video Network Extender



Product features

- 1. BIT-Ex-GS-4k60 has two working modes, supporting CAT6 extender and HDMI loop out.
- 2.BIT-Ex-GS-4k60 in expander mode, internal video compression codec.support 4K60Hz 4:4:4 format transmitted via CAT6 network cable, and the transmission distance can reach 70 meters,BIT-Ex-GS-4k30 uses 4K30Hz 4:4:4 format transmitted by CAT6 network cable, and the transmission distance can reach 100 meters.
- 3.Video and audio can be transmitted via CAT network cable, supporting almost all 4K formats and color spaces.
- 4.work independently to support CAT extender, so that 4K long-distance transmission can be realized in HDMI working mode. HDMI1.4/2.0 compatible, and each port supports HDCP1.4, 2.2.
- 5.BIT-Ex-GS can be looped out using HDMI.
- 6.Using pure hardware design architecture, plug and play, without any software driver.



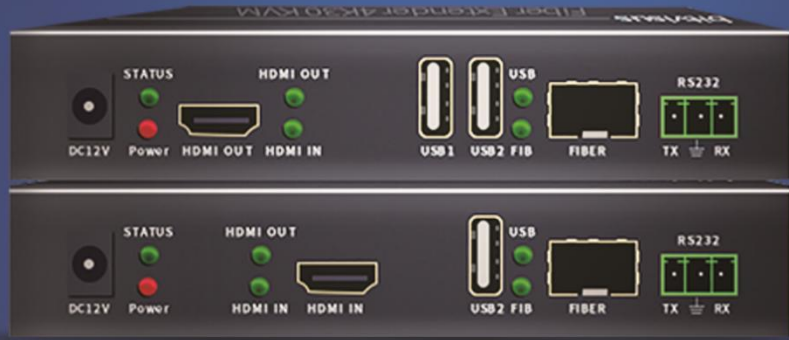
Specification

	Parameter name	BIT-Ex-GS-4k60/4k30
Video	Typeagreement	HDMI1.4,2.0/HDCP1.4,2.2
	Interface bandwidth	Support 6GB/s
	Maxi resolution supported	4k*2k@60Hz
	Interface	HDMI interface, TX supports HDMI loop out
	hdmi Max I/O distance	Less than 5 meters
	Interface	Industrialterminal
RS232	Signaldirection	Bidirectionaltransmission
	Baudrate	Adaptive,upto115200bps
	Databits	8 bits
Meshport	Interface	StandardRJ45interface
	Support output max resolution	4K60Hz: Cat6 network cable 70 meters
Other	Transmissiondistance	4K30Hz: Cat6 network cable 100 meters
	Power	DC12V/2A
	Max power consumption	6W
	Temperature	Workingtemperature:5°C~+70°C
	Humidity	Workinghumidity:5%~90%
	Outlinesize	105*76*27mm
	Qualityassurance	1 Year

Product profile

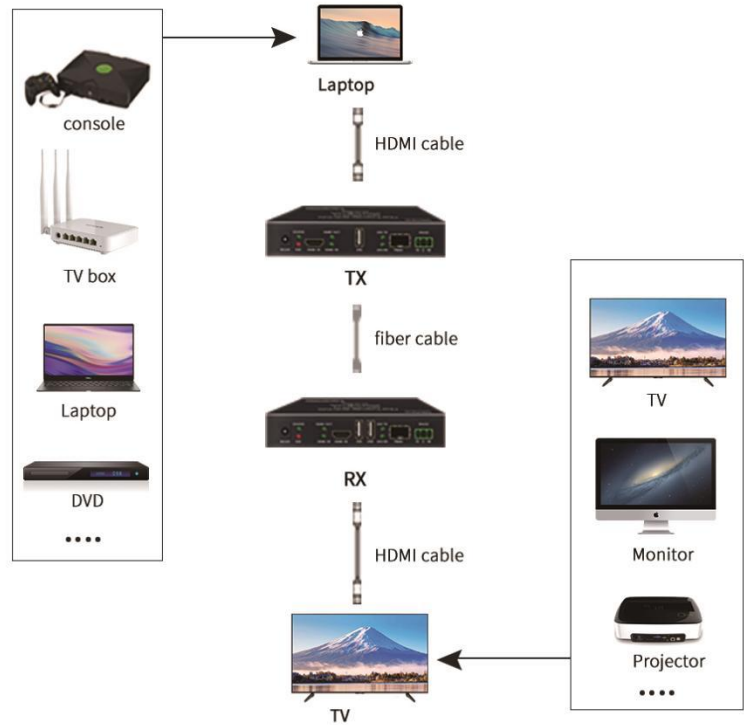
Bit-ex-4k-fib-kvm is a long-distance transmitter with zero delay and ultra-low compression rate. It can convert HDMI HD signal into optical signal and transmit it for 30 kilometers, then restore it into HDMI HD signal and access the display. It supports 4k30hz ultra-high definition video transmission at most and is downward compatible. It supports EDID & HDCP transparent transmission function, usb-kvm function, RS232 transparent transmission, and the maximum baud rate is 115200bps.

BIT-Ex-4K-Fib-KVM HDMI EXTENDER



Product features

- 1.BIT_ Ex_ 4K_ Fib_ KVM is a long-distance transmitter with zero delay and ultra-low compression rate.
The industrial design has both texture and solid internal protection, and is easy to install.
- 2. Using the most advanced video processing chip in the industry, which has powerful function, high picture restoration, long transmission distance and low power consumption.
- 3. The farthest transmission distance of optical fiber can support up to 30 km,
HDMI interface input and output, transmission without delay, compression and image artifacts.
- 4.The output terminal supports custom setting of conventional video resolution, matches different display devices, and supports a maximum resolution of 3840x2160@30Hz , down compatible with low resolution.
- 5.Support EDID lock and Unvarnished Transmission
- 6.Pure hardware design architecture, without any software driver, plug and play.
- 7. Support bidirectional RS232 transmission
- 8.Support usb-kvm function, dual USB interface to connect mouse and keyboard.



Specification

	Parameter name	BIT-Ex-4K-Fib-KVM
Video	Support protocol	HDMI1.4;HDCP1.4
	Maximum pixel clock	297MHz
	Support Maximum resolution	3840x2160@30Hz
	Port	HDMI Interface
	HDMI cable length	Less than 5 meters
	Fiber port	External SFP module LC interface
Fiber	Fiber type	Single fiber / double fiber
	fiber transmitting distance	Single mode single fiber:10KM
		Single mode dual fiber:10KM Multimode dual fiber:300M
RS232	Port	Industrial terminal
	Transmission mode	Bidirectional transmission
	Baud rate	Adaptive, up to 115200bps
	Data bit	8 bit
Other	Power	DC 12V/2.0A
	Power consumption	7W
	Working temperature	0°C~+70°C
	Wet rate	10%~90%
	Size	136*85*26mm
	Warranty	1 Year

Product profile

BIT-Ex-Fib-4K60-KVM is a zero delay and low compress long distance HDMI extender. Its transmit distance could reach 10km. Low power consumption and high resolutionIt is a long-distance transmitter with zero delay and ultra-low compression rate. It adopts the most advanced video processing chip, with strong function, high picture restoration, long transmission distance and low power consumption. The input and output of HDMI interface are transmitted through optical fiber without delay, compression and artifact. The farthest transmission distance of optical fiber can reach 30km. The output terminal supports custom setting of conventional video resolution, matches different display devices, and supports the highest resolution 3840x2160@60Hz , down compatible with low resolution. Support USB-HID function, dual USB interface to connect mouse and keyboard. Pure hardware design architecture, plug and play.

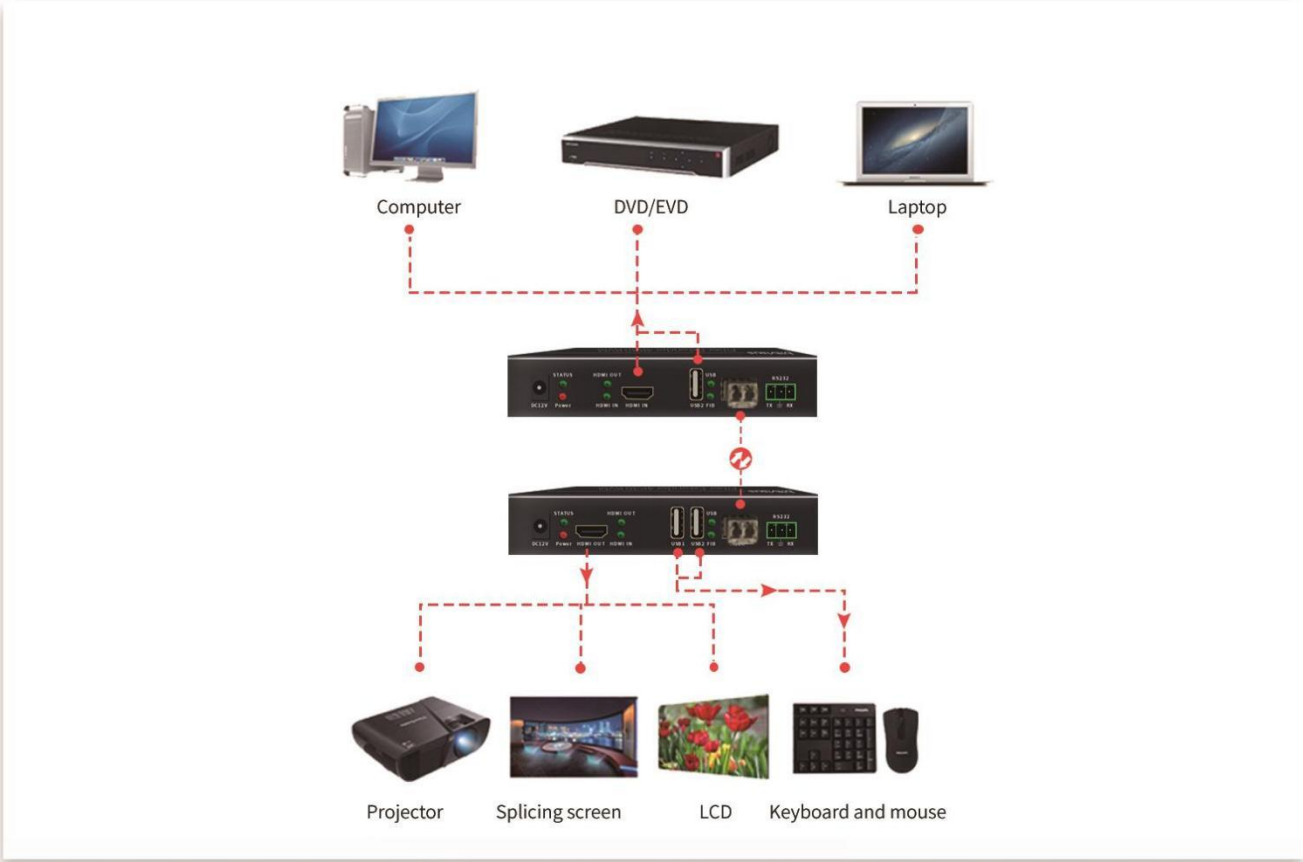
BIT-Ex-Fib-4k60-KVM

4K HDMI FIBER EXTENDER



Product features

- 1.Bit-ex-fib-4k60-kvm is a long-distance transmitter with zero delay and ultra-low compression rate, with industrial appearance design. Both texture and solid internal protection, and easy installation.
- 2.The most advanced video processing chip in the industry is selected, which has powerful function, high picture restoration, long transmission distance and low power consumption.
- 3.The farthest transmission distance of optical fiber can support up to 30 km, HDMI interface input and output, transmission without delay, compression and image artifacts.
- 4.The output terminal supports custom setting of conventional video resolution, matches different display devices, and supports a maximum resolution of 3840x2160@60Hz , down compatible with low resolution.
- 5.Support USB-HID function, dual USB interface to connect mouse and keyboard.



Product specification

	Parameter name	BIT-Ex-Fib-4K60-KVM
Video	Protocol	HDMI 2.0;HDCP 2.2
	Maximum support pixel clock	594MHz
	Maximum support resolution	3840x2160@60Hz
	Delay	40 us
	Port	HDMI
Optical module	Fiber	Single mode / multimode fiber
	Transmission distance	10 KM(depend on the optical module)
RS232	Port	Industrial terminal
	Transmitting direction	Bidirectional transmission
	Baud rate	Adaptive 115200bps
	Bit rate	8 bit
Other	Power	DC12V/2.0A
	Power consumption	7W
	Operating temperature	0°C~+40°C
	Humidity	10%~90%
	Size	126*85*26mm
	Weight	0.9KG
	Warranty	1 Year

Porduct profile

HDMI 4k extender 3.5u case is convenient for engineering installation and centralized management. Up to 20 transmitter or receiver cards can be included to meet the centralized use of users. The system has over-temperature, over-voltage and over-current protection devices. The internal voltage compensation technology is adopted, and the extender module can obtain reliable and accurate voltage power supply.



Product featrues

- 1. Standard 3.5u chassis can be installed in the machine room rack for unified management and maintenance.
- 2.The modular power supply design is adopted, which is convenient for maintenance and better shielding, and prevents the electromagnetic signal generated by the power supply from interfering with the normal operation of the module group.
- 3.The case can access up to 20 boards at the same time, centralized power supply management, and dual power supply redundant backup is optional.
- 4. AC 220V power supply mode makes the system suitable for a variety of working environments.
- 5.It supports multiple modules to work at the same time, which greatly improves the applicability of the system.
- 6. It is suitable for areas with large power fluctuation range.



Tradictional extender



Ex-U3 case

Specification

Parameter name	BIT-Ex-U3
Case	3.5U
Number of slots	20
Size	440mm×290mm×155mm
Input Power	AC 100~265V, 50/60Hz
Port	HDMI
Output power	DC12V 29A(max)
RIpple wave	≤100mv
Maximum power consumption	<200W
Working temperature	-10~58℃
Wokring wet rate	5%~90%