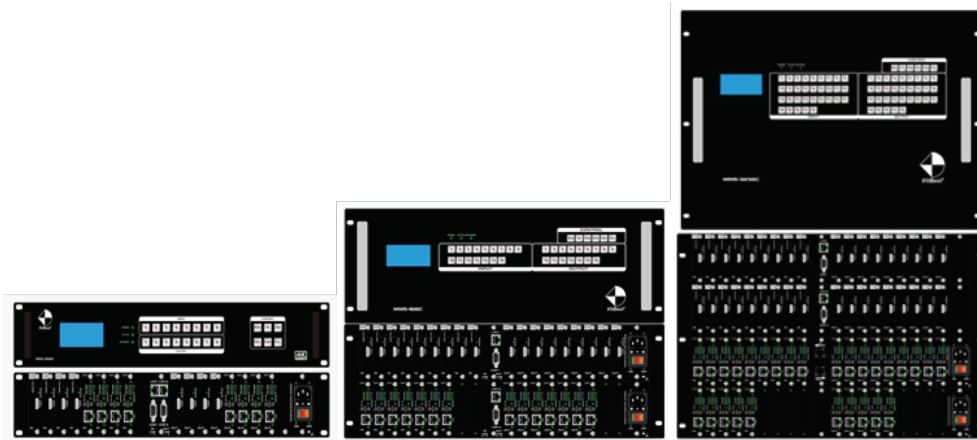




MM5-0808C/1616C/3232C

Modular Matrix Switcher of MM5 Series



FEATURES

- Modular designing chassis;
- 1 channel 1 card, supports DVI-I/ HDMI/ 3GSDI/ HDBaseT/ Fiber to mix input and output
- Support seamless switching between all the signals
- 4-core 4 links processing chipset provides up to 32GBPS signal switching processing ability
- Front buttons with background lights, easier to operate at any time
- Support EDID automatic recognition and compatible with HDCP
- Support 3.5mm audio embedded and de-embedded function
- Support 4K30, 4K60, HDMI2.0 4:4:4 transmission and seamless switching
- Support 3D image frequency repairing, pixel reread processing function
- Support scaling up/down function via the DIP switch
- Support dual LAN ports backup control and centralization network management function
- Support hot-plug function
- Support auto saving protection and auto recovery function while power cut

The VitBest's MM5 series modular matrix switcher has 3 models: MM5-0808C/1616C/3232C. All the signal input and output cards using 1-card 1-port, wide range selections of the input and output cards, it provides users the most flexible configuration ability to meet with the real applications. And the 1080P, 4K30 and 4K60 I/O cards can reach any switching, converting, extension, resolution adjustment. Supports seamless or fast switching function, electromagnetic protection function, it can efficiently shield the electromagnetic interference for the surrounding environment to make sure the equipment running more stable.

SPECIFICATIONS

MODEL	MM5-0808C	MM5-1616C	MM5-3232C
Description	8x8 modular chassis	16x16 modular chassis	32x32 modular chassis
Input Card	One Channel per Card, support HDMI, DVI, 3GSDI, VGA, YPBPR, CVBS, HDBaseT, Fiber Optic		
Output Card	One Channel per Card, support HDMI, DVI, 3GSDI, VGA, YPBPR, CVBS, HDBaseT, Fiber Optic		
Protocol	HDMI1.4a/ HDMI2.0, DVI1.0, compatible with HDCP and EDID function		
Color Space	RGB444, YUV444, YUV422, support x.v.Color extension color gamut standard		
Resolution	640x480---1920x1200@60Hz(VESA), 480i---4K30Hz(HDTV), 4K60Hz		
Data Speed	12.5Gbps		
Transmission distance	70/100m(Cat6,6A,7), 80Km(Single-mode), 20m(Digital cable), 25m(Analog cable)		
Control Methods	Broadcasting switching button, dual RS232+LAN control		
Dimension	482*390*88(2U)mm	482*390*178(4U)mm	482*390*355(8U)mm
Weight	6KG(Without cards)	12.5KG(Without cards)	25KG(Without cards)
Consumption	17W(Without cards) 57W (With MCS-IN-HDMI Input Card) x 8pcs & MCS-OUT-HDMI Output Card x 8pcs	21W(Without cards) 101W (With MCS-IN-HDMI Input Card) x 16pc	30W(Without cards) 190W (With MCS-IN-HDMI Input Card) x 32pcs & MCS-OUT-HDMI Output Card x 32pcs
Capacity of Power Supply	300W	300W	500W
Power Supply	AC 110V-240V 50/60HZ		
Working Temp	-10°C - 50°C		
Storage Temp	-25°C - 55°C		




About VitBest

VitBest is a professional digital audio video products manufacturer dedicates in manufacturing high quality, reliable and stable products. For audio-visual system integrators, a trustworthy distribution and control electronics components means much more than their sizes.

INPUT AND OUTPUT CARDS FOR MM5-0808C/1616C/3232C

All the cards below can work with MM5-0808C/1616C/3232C, BUT we suggest to use only 1080P, 4K60 or 4K30 pass-through cards on one chassis instead of mixing use 1080P and 4K60 or 4K30 cards together.

INPUT CARDS		
4K30 Pass-through Input Cards (Standard)		
MC5-IN-HDMI HDMI Input Card (4K30)		<ul style="list-style-type: none"> Support 1080P Support 4K30 4:4:4 and 4K60 4:2:0 HDMI Input HDCP 1.4 compliant With EDID KEY button support EDID handshaking
MC5-IN-HDBT-70 HDBT 70m Input Card (4K30)		<ul style="list-style-type: none"> Support HDBaseT input with one HDMI loop out, HDCP 1.4 compliant Distance up to 70m at 1080P@60 and 40m at 4K30 4:4:4 and 4K60 over single Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Work with any of our HDBaseT Transmitter
MC5-IN-HDBT-100 HDBT 100m Input Card (4K30)		<ul style="list-style-type: none"> Support HDBaseT input with one HDMI loop out, HDCP 1.4 compliant Distance up to 100m at 1080P@60 and 70m at 4K30 4:4:4 and 4K60 over single Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Work with any of our HDBaseT Transmitter
MC5-IN-OPTIC Optic Input Card (4K30)		<ul style="list-style-type: none"> Support One SM LC Fiber Input Support One MM LC Fiber Input Distance up to 2km at 4K30 4:4:4, 4K60 4:2:0 Work with our one core Fiber Transmitter
4K60 Seamless Switching Input Cards		
MC5-IN-HDMI-4K60 HDMI 4K60 Input Card		<ul style="list-style-type: none"> Support 1080P, 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) HDCP 2.2 compliant Support 3.5mm audio embedded 8-pin DIP switch resolution adjustment for up/down scaling Support Seamless switching effect
MC5-IN-HDBT-4K60-70 HDBT 4K60 70m Input Card		<ul style="list-style-type: none"> Support HDBaseT input with one HDMI loop out (HDMI 2.0) HDCP 2.2 compliant Distance up to 70m at 1080P@60 and 40m at 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) over Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling Work with our HDBaseT 4K (HDMI 2.0) Transmitter
MC5-IN-HDBT-4K60-100 HDBT 4K60 100m Input Card		<ul style="list-style-type: none"> Support HDBaseT input with one HDMI loop out (HDMI 2.0) HDCP 2.2 compliant Distance up to 100m at 1080P@60 and 70m at 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) over Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling Work with our HDBaseT 4K (HDMI 2.0) Transmitter
MC5-IN-OPTIC-4K60 Optic 4K60 Input Card		<ul style="list-style-type: none"> Support one SM LC Fiber Input Support one MM LC Fiber Input Distance up to 2km at 4K30 4:2:0 and 4K60 4:4:4 (HDMI 2.0) Work with our one core Fiber Transmitter
1080P Seamless Switching Input Cards		
MC5-IN-MAV-1080P HDMI/DVI/VGA/YPBPR/ CVBS 1080P Input Card		<ul style="list-style-type: none"> Support Universal (HDMI/DVI/VGA/YPBPR/CVBS) input with adapter HDCP 1.4 compliant Support 3.5mm audio embedded 8-pin DIP switch resolution adjustment for up/down scaling Max 1080P 60 Seamless switching effect
MC5-IN-HDMI-1080P HDMI 1080P Input Card		<ul style="list-style-type: none"> Support 1080P input HDCP 1.4 compliant Support 3.5mm audio embedded 8-pin DIP switch resolution adjustment for up/down scaling; Max 1080P 60 Seamless switching effect






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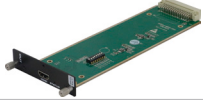



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<p>MC5-IN-SDI SD/HD/3G-SDI Input Card</p>		<ul style="list-style-type: none"> Support SD/HD/3G-SDI input and one loop out HDCP 1.4 compliant Support 3.5mm audio embedded 8-pin DIP switch resolution adjustment for up/down scaling; Max 1080P 60; SDI cable distance can upto 20m/60ft Seamless switching effect
<p>MC5-IN-HDBT-70-1080P HDBT 1080P 70m Input Card</p>		<ul style="list-style-type: none"> Support HDBaseT input HDCP 1.4 compliant Distance up to 70m at 1080P@60 over Cat5e/6/6A Support RS232, bi-directional IR, POC (Power over cable) function Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling; Max 1080P@60 Work with any of our HDBaseT Transmitter
<p>MC5-IN-HDBT-100-1080P HDBT 1080P 100m Input Card</p>		<ul style="list-style-type: none"> Support HDBaseT input HDCP 1.4 compliant Distance up to 100m at 1080P@60 over Cat5e/6/6A Support RS232, bi-directional IR, POC (Power over cable) function Support Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling; Max 1080P@60; Work with any of our HDBaseT Transmitter

OUTPUT CARDS

4K30 Pass-through Output Cards (Standard)

<p>MC5-OUT-HDMI HDMI Output Card (4K30)</p>		<ul style="list-style-type: none"> Support 1080P Support 4K30 4:4:4 and 4K60 4:2:0 HDCP 1.4 compliant
<p>MC5-OUT-HDBT-70 HDBT 70m Output Card (4K30)</p>		<ul style="list-style-type: none"> Support HDBaseT output HDCP 1.4 compliant Distance up to 70m at 1080P@60 and 40m at 4K30 4:4:4 and 4K60 4:2:0 over single Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Work with any of our HDBaseT Receiver
<p>MC5-OUT-HDBT-100 HDBT 100m Output Card (4K30)</p>		<ul style="list-style-type: none"> Support HDBaseT output HDCP 1.4 compliant Distance up to 100m at 1080P@60 and 70m at 4K30 4:4:4 and 4K60 4:2:0 over single Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Work with any of our HDBaseT Receiver
<p>MC5-OUT-OPTIC Optic Output Card (4K30)</p>		<ul style="list-style-type: none"> Support one SM LC Fiber output Support one MM LC Fiber output Distance up to 2km at 4K30 4:4:4 and 4K60 4:2:0 Work with our one core Fiber Receiver

4K60 Seamless Switching Output Cards

<p>MC5-OUT-HDMI-4K60 HDMI 4K60 Output Card</p>		<ul style="list-style-type: none"> Support 1080P, 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) HDCP 2.2 compliant Support 3.5mm audio de-embedded 8-pin DIP switch resolution adjustment for up/down scaling Seamless switching effect
<p>MC5-OUT-HDBT-4K60-70 HDBT 4K60 70m Output Card</p>		<ul style="list-style-type: none"> Support HDBaseT output (HDMI 2.0) HDCP 2.2 compliant Distance up to 70m at 1080P@60 and 40m at 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) over Cat6A/7 Support RS232, bi-directional IR POC (Power over cable) function Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling Work with our HDBaseT 4K (HDMI 2.0) Receiver
<p>MC5-OUT-HDBT-4K60-100 HDBT 4K60 100m Output Card</p>		<ul style="list-style-type: none"> Support HDBaseT output (HDMI 2.0) HDCP 2.2 compliant Distance up to 100m at 1080P@60 and 70m at 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) over Cat6A/7 Support RS232, bi-directional IR, POC (Power over cable) function Seamless switching effect, 8-pin DIP switch resolution adjustment for up/down scaling Work with our HDBaseT 4K (HDMI 2.0) Receiver
<p>MC5-OUT-OPTIC-4K60 Optic 4K60 Output Card</p>		<ul style="list-style-type: none"> Support one SM LC Fiber output Support one MM LC Fiber output Distance up to 2km at 4K30 4:4:4 and 4K60 4:4:4 (HDMI 2.0) Work with our one core 4K60 Fiber Receiver









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1080P Seamless Switching Output Cards		
MC5-OUT-MAV-1080P HDMI/DVI/VGA/YPBPR/ CVBS 1080P Output Card		<ul style="list-style-type: none"> Support Universal (HDMI/DVI/VGA/YPBPR /CVBS) output with adapter HDCP 1.4 compliant Support 3.5mm audio de-embedded Seamless switching eect, 8-pin DIP switch resolution adjustment for up/down scaling, Max 1080P60
MC5-OUT-HDMI-1080P HDMI 1080P Output Card		<ul style="list-style-type: none"> Support 1080P output HDCP 1.4 compliant Support 3.5mm audio de-embedded Seamless switching eect, 8-pin DIP switch resolution adjustment for up/down scaling, Max 1080P60
MC5-OUT-HDMI- WALL-1080P HDMI 1080P TV Wall Output Card		<ul style="list-style-type: none"> Support 1080P output HDCP 1.4 compliant Support 3.5mm audio de-embedded Seamless switching eect, 8-pin DIP switch resolution adjustment for up/down scaling, Max 1080P60 Support TV Wall Function
MC5-OUT-SDI SD/HD/3G-SDI Output Card		<ul style="list-style-type: none"> Support SD/HD/3G-SDI output HDCP 1.4 compliant Support 3.5mm audio de-embedded Seamless switching eect, 8-pin DIP switch resolution adjustment for up/down scaling, Max 1080P60 SDI cable distance can up to 20m/60ft
MC5-OUT-70-1080P HDBT 1080P 70m Output Card		<ul style="list-style-type: none"> Support HDBaseT output HDCP 1.4 compliant Distance up to 70m/230ft at 1080P@60 over Cat5e/6/6A Support RS232, bi-directional IR, POC(Power over cable)function Seamless switching eect, 8-pin DIP switch resolution adjustment for up/down scaling, Max 1080P60 Work with any of our HDBaseT Receiver
MC5-OUT-100-1080P HDBT 1080P 100m Output Card		<ul style="list-style-type: none"> Support HDBaseT output HDCP 1.4 compliant Distance up to 100m/230ft at 1080P@60 over Cat5e/6/6A Support RS232, bi-directional IR, POC(Power over cable)function Seamless switching eect, 8-pin DIP switch resolutionadjustment for up/down scaling, Max 1080P60 Work with any of our HDBaseT Receiver



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