Operation manual for all available cards

1-card 1-port cards (MINI-MANAGER SERIES 9x9,18x18,36x36)

1080P HDMI/MAV Input Cards	
Picture	Features
	> Seamless switch
The state of the s	Universal inputs(DVI-I port)
	Support HDMI/VGA/CVB/YPBPR with different adapters
0 5	3.5mm audio embedded
	➤ 8-pin DIP switch for scaling
	➢ HDCP compliant

(Custo	mize R	esolution	Input Source Select					Image o	IR Function		
DIP 3	DIP 4	DIP 5	Description	DIP 7	DIP 1	DIP2	Description	DIP 6	Version	Description	DIP 8	Description
0	0	0	1024*768	1	0	0	CVBS Input	1	Version 2	HDMI audio input	0	IR off
0	0	1	1360*768	1	0	1	YPBPR input	0	version 2	3.5mm audio input	1	IR on
0	1	0	1920*1200	1	1	0	VGA input					
0	1	1	720P/60	1	1	1	DVI input					
1	0	0	Null	0		0	Signal Auto detect					
1	0	1	Null	(\$43)								
1	1	0	1080P/50				ON			VE		
1	1	1	1080P/60	70			0					
										5 6 7 8		
							1	_				
							1 2	3	4	5 6 7 8		

^{*} The maximum resolution of this card only can up to 1080P@60Hz

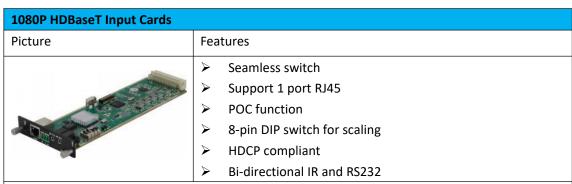
^{*}Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1920x1200 resolution, can set up the DIP switch DIP3, DIP4 and DIP5 to be "0,1,0".

1080P HDMI Input Cards	
Picture	Features
	> Seamless switch
	> Support 1 port HDMI input
	> 3.5mm audio embedded
	> 8-pin DIP switch for scaling
	> HDCP compliant

	usto.	nize K	esolution	Input Source Select					Image or Audio Select				IR Function		
IP 3	DIP 4	DIP 5	Description	DIP 7	DIP 1	DIP2	Description	DIP 6	Version	Description			DIP 8	Description	
0	0	0	1024*768	1	0	0	CVBS Input	1	Version 2	HDMI audio input			0	IR off	
0	0	1	1360*768	1	0	1	YPBPR input	0	version 2	3.5mm au	dio inpu	ıt	1	IR on	
0	1	0	1920*1200	1	1	0	VGA input								
0	1	1	720P/60	1	1	1	DVI input								
1	0	0	Null	0		3)	Signal Auto detect								
1	0	1	Null	(3343)											
1	1	0	1080P/50				ON				V	E	1		
1	1	1	1080P/60	77			0								
							1	_	4		_	_			

^{*} The maximum resolution of this card only can up to 1080P@60Hz

^{*}Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1920x1200 resolution, can set up the DIP switch DIP3, DIP4 and DIP5 to be "0,1,0".



(Custo	mize R	esolution	Input Source Select				38	Image o	IR	IR Function		
DIP 3	DIP 4	DIP 5	Description	DIP 7	DIP 1	DIP2	Description	DIP 6	Version	Description	DIP 8	Description	
0	0	0	1024*768	1	0	0	CVBS Input	1	Version 2	HDMI audio input	0	IR off	
0	0	1	1360*768	1	0	1	YPBPR input	0	version 2	3.5mm audio input	1	IR on	
0	1	0	1920*1200	1	1	0	VGA input						
0	1	1	720P/60	1	1	1	DVI input						
1	0	0	Null	0			Signal Auto detect						
1	0	1	Null										
1	1	0	1080P/50				ON			VE			
1	1	1	1080P/60				0						
							1	_	4				
							1 2	3	4	5 6 7 8			

- * The maximum resolution of this card only can up to 1080P@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1920x1200 resolution, can set up the DIP switch DIP3, DIP4 and DIP5 to be "0,1,0".
- * Available for 100m/330ft@1080P60Hz or 70m/220ft@1080P60Hz

1080P SDI Input Cards							
Picture	Features						



- Seamless switch
- Support 1 port 3G/HD SDI input, 1 SDI loop out
- > 3.5mm audio embedded function
- > 8-pin DIP switch for scaling

				1080	P SDI In	put Card DI	P Swit	ch				
	С	ustomize	Resolut	ion			Image Mirror/Zoom Select					
DIP2	DIP 3	DIP 4	DIP 5	Description	DIP 1	Description	DIP 6	Description	DIP 7	DIP 8	Description	
0	0	0	0	800*600/60	0	VGA/HDMI	0	Image mirror	0	0	zoom off	
0	0	0	1	1024*768/60	1	YUV/HDMI	1	Mirror Off	0	1	zoom 5%	
0	0	1	0	1280*1024/60					1	0	zoom -5%	
0	0	1	1	1360*768/60					1	1	zoom 9%	
0	1	0	0	1400*900/60								
0	1	0	1	1600*1200/60								
0	1	1	0	1680*1050/60								
0	1	1	1	1920*1200/60							_	
1	0	0	0	576P/60		0				VE		
1	0	0	1	576i/60	1	0						
1	0	1	0	720P/50							-	
1	0	1	1	720P/60	1			4 5				
1	1	0	0	1080i/50		1	2 2		-	_	-	
1	1	0	1	1080i/60		1	2 3	4 5	6	7 8		
1	1	1	0	1080P/50							_	
1	1	1	1	1080P/60								

- * The maximum resolution of this card only can up to 1080P@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1920x1200 resolution, can set up the DIP switch DIP, DIP3, DIP4 and DIP5 to be "0,1,1,1".

1080P MAV Output Card							
Picture	Features						
	> Seamless switch						
	Universal output(DVI-I port)						
	Support HDMI/VGA/CVB/YPBPR with different adapters						
0 0 0	> 3.5mm audio de-embedded						
	> 8-pin DIP switch for scaling						
	> HDCP compliant						

		Re	soluti	on Se	t Up	(Color Space	S.	Image		IR
D2	D3	D4	D5	D6	Description	D1	Description	D7	Description	D8	Description
0	0	0	0	0	1024*768@60	0	RGB	0	Image mirror	0	IR ON
0	0	0	0	1	800*600@60	1	YUV	1	Normal display	1	IR OFF
0	0	0	1	0	1280*800@60						
0	0	0	1	1	1280*1024@60						
0	0	1	0	0	1360*768@60						
0	0	1	0	1	1366*768@60						
0	0	1	1	0	1400*1050@60						
0	0	1	1	1	1440*900@60						
0	1	0	0	0	1680*1050@60						
0	1	0	0	1	1600*1200@60						
0	1	0	1	0	1920*1200@60						
0	1	0	1	1	1600*1200@60						
0	1	1	0	0	1680*1050@60						
0	1	1	0	1	1400*900@75						
0	1	1	1	0	640*480@75						
0	1	1	1	1	800*600@75	10.55					
1	0	0	0	0	4801@60	0	ON				VE
1	0	0	0	1	5761@50	U					
1	0	0	1	0	480P@60		-	-			
1	0	0	1	1	576P@50		-				
1	0	1	0	0	1280*720@24	1	1 2	2	4 5	0	7 0
1	0	1	0	1	1280*720@25	-	1 2	0	4 0	0	1 0
1	0	1	1	0	1280*720@30						
1	0	1	1	1	1280*720@50						
1	1	0	0	0	1280*720@60						
1	1	0	0	1	10801@50						
1	1	0	1	0	10801@60						
1	1	0	1	1	1080P@24						
1	1	1	0	0	1080P@25						
1	1	1	0	1	1080P@30						
1	1	1	1	0	1080P@50						
1	1	1	1	1	1080P@60	I					

^{*} The maximum resolution of this card only can up to 1080P@60Hz

^{*}Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1080i resolution, can set up the DIP switch DIP3, DIP4, DIP 5 and DIP6 to be "1,1,0,0,1".

1080P HDMI output Card	
Picture	Features
	> Seamless switch
The second second	> Support 1 port HDMI input
	> 3.5mm audio de-embedded
	> 8-pin DIP switch for scaling
0	➤ HDCP compliant
64	> TV Wall function

	108	ОР	(HD	MI/HDBaseT)	Output Ca	ard with TVW	/all DI	P Switch				
		Re	solutio	on Set Up	Image							
D1	D2	D3	D4	Description	D5	Description	D6	Description				
0	0	0	0	720P/60	0	Image mirror	0	ZOOM 5%				
0	0	0	1	720P/50	1	Normal display	1	Normal				
0	0	1	0	1366*768/60	HDMI/DVI	Description	IR	Description				
0	0	1	1	1024*768/60	0	DVI	0	ON				
0	1	0	0	1280*800P/60	1	HDMI	1	OFF				
0	1	0	1	1400*1050P/60								
0	1	1	0	1920*1080P/60								
0	1	1	1	1920*1080P/60								
1	0	0	0	1920*1080P/60	0	V		VE				
1	0	0	1	1920*1080P/60	O .							
1	0	1	0	1920*1080P/60				100				
1	0	1	1	480P/60	100							
1	1	0	0	576P/60	1	0 0 1						
1	1	0	1	1920*1080P/30	T	2 3 4	5 6	7 8				
1	1	1	0	1920*1080P/50								
1	1	1	1	1920*1080P/60								

- * The maximum resolution of this card only can up to 1080P@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 720P@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "0,0,0,0".

1080P HDBaseT output Cards							
Picture	Features						
	> Seamless switch						
· ·	> Support 1 port RJ45						
	POC function						
	> 8-pin DIP switch for scaling						
The same	➤ HDCP compliant						
	➤ Bi-directional IR and RS232						
	> TV Wall function						

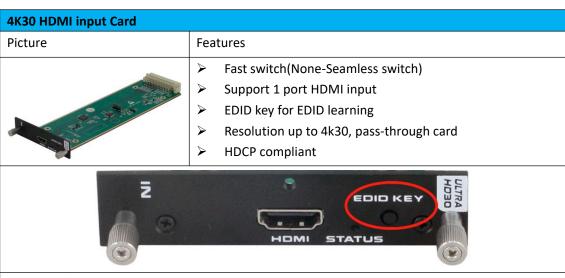
	108	OP	(HD	MI/HDBaseT)	Output Card with TVWa	II DI	P Switch
			•	on Set Up	Image		
D1	D2	D3	D4	Description	D5 Description	D6	Description
0	0	0	0	720P/60	0 Image mirror	0	ZOOM 5%
0	0	0	1	720P/50	1 Normal display	1	Normal
0	0	1	0	1366*768/60	HDMI/DVI Description	IR	Description
0	0	1	1	1024*768/60	0 DVI	0	ON
0	1	0	0	1280*800P/60	1 HDMI	1	OFF
0	1	0	1	1400*1050P/60			5-21-80
0	1	1	0	1920*1080P/60			
0	1	1	1	1920*1080P/60			
1	0	0	0	1920*1080P/60	0 ON		VE
1	0	0	1	1920*1080P/60	U .		
1	0	1	0	1920*1080P/60			100 650 5
1	0	1	1	480P/60			
1	1	0	0	576P/60	1		
1	1	0	1	1920*1080P/30	1 2 3 4 5	6	7 8
1	1	1	0	1920*1080P/50			
1	1	1	1	1920*1080P/60			

- * The maximum resolution of this card only can up to 1080P@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 720P@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "0,0,0,0".
- * Available for 100m/330ft@1080P60Hz or 70m/220ft@1080P60Hz

1080P SDI Output Card						
Picture	Features					
	 Seamless switch Support 2 SDI outputs 3.5mm audio embedded function 8-pin DIP switch for scaling 					

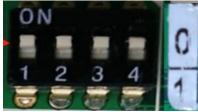
			1	.080	OP (MAV, S	DI)	Output Ca	ard	DIP Switch	l.	
		Res	solutio	on Set	t Up	(Color Space		Image		IR
D2	D3	D4	D5	D6	Description	D1	Description	D7	Description	D8	Description
0	0	0	0	0	1024*768@60	0	RGB	0	Image mirror	0	IRON
0	0	0	0	1	800*600@60	1	YUV	1	Normal display	1	IR OFF
0	0	0	1	0	1280*800@60						
0	0	0	1	1	1280*1024@60						
0	0	1	0	0	1360*768@60						
0	0	1	0	1	1366*768@60						
0	0	1	1	0	1400*1050@60						
0	0	1	1	1	1440*900@60						
0	1	0	0	0	1680*1050@60						
0	1	0	0	1	1600*1200@60						
0	1	0	1	0	1920*1200@60						
0	1	0	1	1	1600*1200@60						
0	1	1	0	0	1680*1050@60						
0	1	1	0	1	1400*900@75						
0	1	1	1	0	640*480@75						
0	1	1	1	1	800*600@75	1555	ON				
1	0	0	0	0	4801@60	0	ON				VE
1	0	0	0	1	5761@50						
1	0	0	1	0	480P@60			-			
1	0	0	1	1	576P@50					•	-
1	0	1	0	0	1280*720@24	1	1 2	2	4 5	6	7 0
1	0	1	0	1	1280*720@25	-		-	4 5		1 0
1	0	1	1	0	1280*720@30						
1	0	1	1	1	1280*720@50						
1	1	0	0	0	1280*720@60						
1	1	0	0	1	10801@50						
1	1	0	1	0	10801@60						
1	1	0	1	1	1080P@24						
1	1	1	0	0	1080P@25						
1	1	1	0	1	1080P@30						
1	1	1	1	0	1080P@50						
1	1	1	1	1	1080P@60						

- * The maximum resolution of this card only can up to 1080P@60Hz
- *Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 1080i resolution, can set up the DIP switch DIP3, DIP4, DIP 5 and DIP6 to be "1,1,0,0,1".



- * To copy/learn EDID from the display
 - Step 1: Have an HDMI cable from the display directly connected to this HDMI input port
 - Step 2: Press the EDID key and hold for 3 seconds, the indicator will flashing
 - Step 3: Press the EDID key again until the indicator turns into solid light, EDID learning finished
- *Factory default EDID mode will no need to plug the display, can press and hold the EDID key to the flashing indicator status.

4K30 HDBaseT input Card	
Picture	Features
	Fast switch(None-Seamless switch)
	Support 1 port RJ45 input and 1 HDMI loop out
	4-pin DIP switch for EDID learning
	Resolution up to 4k30, pass-through card
	➢ HDCP compliant
	POC function
	➤ Bidirectional IR, RS232



* To copy/learn EDID from the display

Step 1: No need to turn off the matrix, plug out the HDBaseT input card from the Matrix Switcher chassis, have the 4-DIP switch(DIP1, DIP2, DIP3, DIP4) set up to position (1,1,1,0). Have an HDMI cable connected to the display from HDMI port, HDBaseT port keep connected to the transmitter. Insert the HDBaseT input card back to the matrix switcher, wait for about 15 seconds



Step 2: Plug out the HDBaseT input card and have the 4-pin DIP switch(DIP1, DIP2, DIP3, DIP4) set up to position (0,0,0,0). Then insert the HDBaseT input card back to the matrix and disconnect the HDMI cable. EDID setup finished.



4K60 HDMI input Card					
Picture	Features				
	> Seamless switch				
	➤ Support 1 port HDMI input				
	> 3.5mm audio embedded				
D. O. H.	> 8-pin DIP switch for scaling				
	➤ HDMI2.0, HDCP compliant				

	4K60 HDBT/Fiber Tx and HDMI2.0 Input Card DIP Switch												
	Cus	tomi	ze Res	solution		3.5mm Audio		N	ull		IR	Function	
DIP 1	DIP 2	DIP 3	DIP 4	Description	DIP 5	Description	DIP 6	Description DIP 7		DIP 7 Description		Description	
0	0	0	0	1080P@60Hz	0	Using External audio	0	0 0		0		IR off	
0	0	0	1	1080P@50Hz	1	Using HDMI audio	1	Null	1	Null	1	IR on	
0	0	1	0	3840*2160@50Hz									
0	0	1	1	720P@60Hz									
0	1	0	1	1366*768@60Hz				85 Arroya (200)	-	- Votes			
0	1	1	0	1024*768@60Hz								3375	
0	1	1	1	3840*2160@30Hz			144				_		
0	1	0	0	3840 2160@30H2			או			V	E		
1	0	0	0	3840*2160@24Hz				20 20	-	2 2			
1	0	0	1	480P@60Hz		ACCOUNT OF THE				-			
1	0	1	0	720P@50Hz		Market 1	2	3 4	5	6 7	8	100	
1	0	1	1	576P@50Hz				00		00	C.		
1	1	0	0	3840*2160@60Hz		STATE OF THE PARTY		-	-	-	-	-	
1	1	1	0	4096*2160@60Hz	'					100	0.00	The Sta	
1	1	1	1	4096*2160@50Hz									

- * The maximum resolution of this card only can up to 4K60@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 3840x2160@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "1,1,0,0".

4K60 Fiber Optic input Card					
Picture	Features				
	 Seamless switch Support 1 LC Fiber optic input 8-pin DIP switch for scaling 				
	> Distance up to 2km with with 4K60 transmitter				

	Cus	tomiz	ze Re	solution	Cus	tom	ize Color Space	H	DCP2.2	IR I	unction
DIP 1	DIP 2	DIP 3	DIP 4	Description	DIP 5	DIP 6	Description	DIP 7	Description	DIP 8	Description
0	0	0	0	1080P@60Hz	1	1	RGB	0	HDCP On	0	IR off
0	0	0	1	1080P@50Hz	1	0	YUV422	1	HDCP Off	1	IR on
0	0	1	0	3840*2160@50Hz	0	0	YUV420				
0	0	1	1	720P@60Hz	0	1	YUV444				
0	1	0	1	1366*768@60Hz							
0	1	1	0	1024*768@60Hz							
0	1	1	1	3840*2160@30Hz	-	A 1887	1. VIESS 1 - 14 - 1-1		57 F 15 Sept.	- 14	
1	1	1	1	3840 2100@30112							
0	1	0	0	4096*2160@50		0	ON			VE	
0			0	4096*2160@30							
1	0	0	U	1030 2100@30							1000
107	0	0	1	480P@60Hz							
1	7	167.4	-	0			1 2	3 4	5 6	7	8
1	0	0	1	480P@60Hz		•	1 2	3 4	5 6	7	8
1 1 1	0	0	1 0	480P@60Hz 720P@50Hz		-	1 2	3 4	5 6	7	8
1 1 1 1	0 0 0	0 1 1	1 0 1	480P@60Hz 720P@50Hz 576P@50Hz		4	1 2	3 4	5 6	7	8

- * The maximum resolution of this card only can up to 4K60@60Hz
- * Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 3840x2160@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "1,1,0,0".

4K60 HDMI output Card					
Picture	Features				
	> Seamless switch				
	Support 1 port HDMI output				
	3.5mm audio de-embedded				
	> 8-pin DIP switch for scaling				
	➤ HDMI2.0, HDCP compliant				
	> TV Wall function				

	4	K60	HDE	BT/Fiber Rx	and	HDI	VII2.0 Outpu	t Car	d DIP S	witc	h
	Cus	tomi	ze Re	solution	Cus	stomi	ze Color Space	Н	DCP2.2	IR I	Fur
DIP 1	DIP 2	DIP 3	DIP 4	Description	DIP 5	DIP 6	Description	DIP 7	Description	DIP 8	De
0	0	0	0	1080P@60Hz	1	1	RGB	0	HDCP On	0	
0	0	0	1	1080P@50Hz	1	0	YUV422	1	HDCP Off	1	
0	0	1	0	3840*2160@50Hz	0	0	YUV420				
0	0	1	1	720P@60Hz	0	1	YUV444				
0	1	0	1	1366*768@60Hz		***					
0	1	1	0	1024*768@60Hz							
0	1	1	1	3840*2160@30Hz		61961		(C)	**************************************		
1	1	1	1	3840 2100@30HZ							
0	1	0	0	4096*2160@50		0	ON			VE	
1	0	0	0	4096*2160@30		1					
1	0	0	1	480P@60Hz							
1	0	1	0	720P@50Hz			1 2	3 4	5 6	7	8
1	0	1	1	576P@50Hz		-	00	0 0		0	4
1	1	0	1	1920*1200/60				-			-



IR Function

DIP 8 Description

IR off

IR on

* The maximum resolution of this card only can up to 4K60@60Hz

3840*2160@60Hz 4096*2160@60Hz

* Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 3840x2160@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "1,1,0,0".

4K60 Fiber Optic output Card					
Picture	Features				
	 Seamless switch Support 1 LC Fiber optic output 8-pin DIP switch for scaling TV Wall function Distance up to 2km with the 4K60 receiver 				

	4K60 HDBT/Fiber Rx and HDMI2.0 Output Card DIP Switch										
	Cus	tomi	ze Re	solution	Cus	tomi	ze Color Space	Н	DCP2.2	IR Function	
DIP 1	DIP 2	DIP 3	DIP 4	Description	DIP 5	DIP 6	Description	DIP 7	Description	DIP 8	Description
0	0	0	0	1080P@60Hz	1	1	RGB	0	HDCP On	0	IR off
0	0	0	1	1080P@50Hz	1	0	YUV422	1	HDCP Off	1	IR on
0	0	1	0	3840*2160@50Hz	0	0	YUV420				
0	0	1	1	720P@60Hz	0	1	YUV444				
0	1	0	1	1366*768@60Hz							
0	1	1	0	1024*768@60Hz							
0	1	1	1	3840*2160@30Hz		A TRACT			100	- 1	
1	1	1	1	3840 2160@30HZ							
0	1	0	0	4096*2160@50		0	ON			VÉ	
1	0	0	0	4096*2160@30		1000					
1	0	0	1	480P@60Hz							
1	0	1	0	720P@50Hz			1 2	3 4	5 6	7	8
1	0	1	1	576P@50Hz		-	00	00		00	1 1 11
1	1	0	1	1920*1200/60		23	With the same	-		-	100
1	1	0	0	3840*2160@60Hz							
1	1	1	0	4096*2160@60Hz	1						

^{*} The maximum resolution of this card only can up to 4K60@60Hz

^{*} Can support 8-pin DIP switch, installer can manually set a fixed resolution, such as if needs a fixed 3840x2160@60Hz resolution, can set up the DIP switch DIP1, DIP2, DIP3 and DIP4 to be "1,1,0,0".