

vMix Switch Panel

TY-1500HD



Operating Specification

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Foreword:

Greeting, thanks for you select our products!

Please must read this specification and the related datum delivery with the machine before you first time use this product, use, install, maintain and maintenance according to the specification.

We already strictly check, correct and verify this specification but still can't guarantee the specification totally no any words description error and omit.

The picture in this specification only for reference, please subject to the actual product if individual pictures are not accordance with product actual practice, we keep right to improve/modify the specification and products, please understand that we not specially inform after product adjustment.

Please must safety keep the product specification and maintain guarantee card, in the max range which allowed by the laws, our company not undertake any responsibilities for direct, indirect, intentional, unexpected and other loss which caused by installation or unsuitable operation.

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Product and service relief statement

The provide information in this operating specification only be as guidance. All the time, Beijing TIANYINGSHITONG technology Co., Ltd do best to provide the correct, complete and suitable information. But Beijing TIANYINGSHITONG technology Co., Ltd can't get rid off that some information in this manual are incorrect or incomplete, this manual maybe contain error type, omit information or incorrect information. Beijing TIANYINGSHITONG technology Co., Ltd advise you repeat confirm the accuracy of the information in this document. Beijing TIANYINGSHITONG technology Co., Ltd will not duty for any omit or mistake responsibilities, or loss and damage which caused by the below information which provided in this manual. Can contact our company business working for you or local distributor for the content in this manual or more further information of the product.

Installation notices

1. Please read this specification first before use, and please safety keep this specification.
2. Please actually follow the marked warning signs and introduce indication on the product.
3. Please plug off the power supply plug first before clean this machine. Don't use liquid or corrode clean agent, use common wet cloth clean and wipe then ok.



4. Please don't use this product where close to water.
5. Please don't place the product on uneven place, like wheelbarrow, vertical frame, etc, avoid fallen caused product serious damaged.
6. The shell, boring at back and bottom of this product are used for heat radiation, please don't cover or block these boring, avoid the machine overheat. Avoid to place this product on the bed, sofa, blanket....and other similar surface objects then can't block the boring. Please don't place this product on where close the fire source, central heating furnace or heating air port. Except that confirmed there has suitable air venting port, otherwise, please don't place this product in one closed space.
7. Please according to the marks on the power supply adapter for the used power supply of this product.
8. Avoid any objects press the power supply wire of this product, also avoid make this product press other power supply wire.
9. Please confirm the used total power/total ampere when using extension wire, can't exceed the load total ampere of extension wire.
10. The use total power which inserted into wall socket can't exceed the 15 ampere limit.
11. Please don't drilling on the machine body and fill in any objects, avoid electric shock or caused short circuit fire; please don't splash any liquid on this product.
12. Please don't disassemble and repair freely. If self open or move the cover shell with marked "Please don't move", these will make you exposed in voltage or other dangers. Please contact service staff and consult all service items.
13. Please plug off the plug of this product if has the below situation happen, and consult for the qualified distributor or service staffs:
 - a. The situation that power supply or plug has damages, spread out and peel off.
 - b. Has liquid seep into this product.
 - c. If this product meet raining or splashed water.
 - d. If still can't normally use after already follow the operation rules in this specification. Only can adjust where mentioned adjustable place in this operating specification, because the other place unsuitable adjustment maybe caused this product damaged, and will make the qualified technicians take more time to repair then can recover to the original status.
 - e. If this product has fallen or machine body damaged.

f. If the performance of this product has abnormal changes, please contact and consult the distributor.

Product maintain guarantee standards

- The products all have one year manufacture defects maintenance from the day of purchase
- Any repair need provide the original purchase invoice or other relate document certificate in the maintenance period
- The maintenance period limit of the product calculated from the day of purchase; lose purchase certificate or not fill the purchase date, use the product leave factory date add 30days as the start day of maintenance
- All product which not manufactured by Beijing TIANYINGSHITONG (the product no TYSTVideo logo) have one year maintenance from the day of purchase
- The unexpected (unexpected accidents like natural disaster, earth change and thunder shock), unsuitable use (example liquid crystal broken, liquid, sand, dust permeate and damp, etc), the repair or change which not processed by the authorized staffs of Beijing TIANYINGSHITONG, these all are not in maintenance range
- The damages caused by computer system virus and evil software all are not in the maintenance range
- The damages caused by the third party software which self installed in computer without authorization arr not in the maintenance range
- All shelves or delivery fees include the insurance all are duty by purchaser
- Any other property claim settlement all are not in the maintenance range
- All accessories like earphone, wire, battery, metal part, shell, cable rolling canister and easily damaged parts all are not in the maintenance range
- The maintenance only valid in the product purchase country or region
- The maintenance rules of this product not affect your legal rights
- All products which purchased after October 1st, 2016 has right to enjoy maintenance free cost extend one yeat within 30 days, the details please contact the distributor.
- Some easily damaged parts like LCD liquid crystal panel, DVD diver, hard disk only quality guarantee 10,000 hours or one year (no matter which will expired)
- Any product happen quality guarantee claim settlement in the next year must inform use in advance

first、 Product introduce

TY-1550HD switch platform panel is our company Vmix system and invented television studio system designed outer configured programme switch platform, elegance design, this is one professional hardware control panel special for realize that programme switch platform, live, REC and cloudy platform control in one machine. It has plenty of modern appearance and MIDI communication agreement joggle, able to greatly quicken the direct broadcast and playback working procedure. The panel adopt best quality curve shape button, able to reduce the ratio of error operation. The buttons all adopt backlight design, help you quickly discriminate the important control keys. Additionally, it still configured quick search disk and T-shape push rod, etc. The button support dynamic display, all keys support self define setting.

Second, product packaging



		
1 set switch platform panel	1 piece USB connect wire	1 set specification and maintain guarantee card

Third、 Switch platform use

1. Connect the switch platform panel to the computer which installed VMIX software through USB wire, press down the power supply key on the switch platform panel, can make the keys represent pink and light green display, shown as the below picture.



The switch platform panel will make the key color change to be white display after about 3 seconds. Shown as the below picture



2. Download the setting template of switch platform panel.

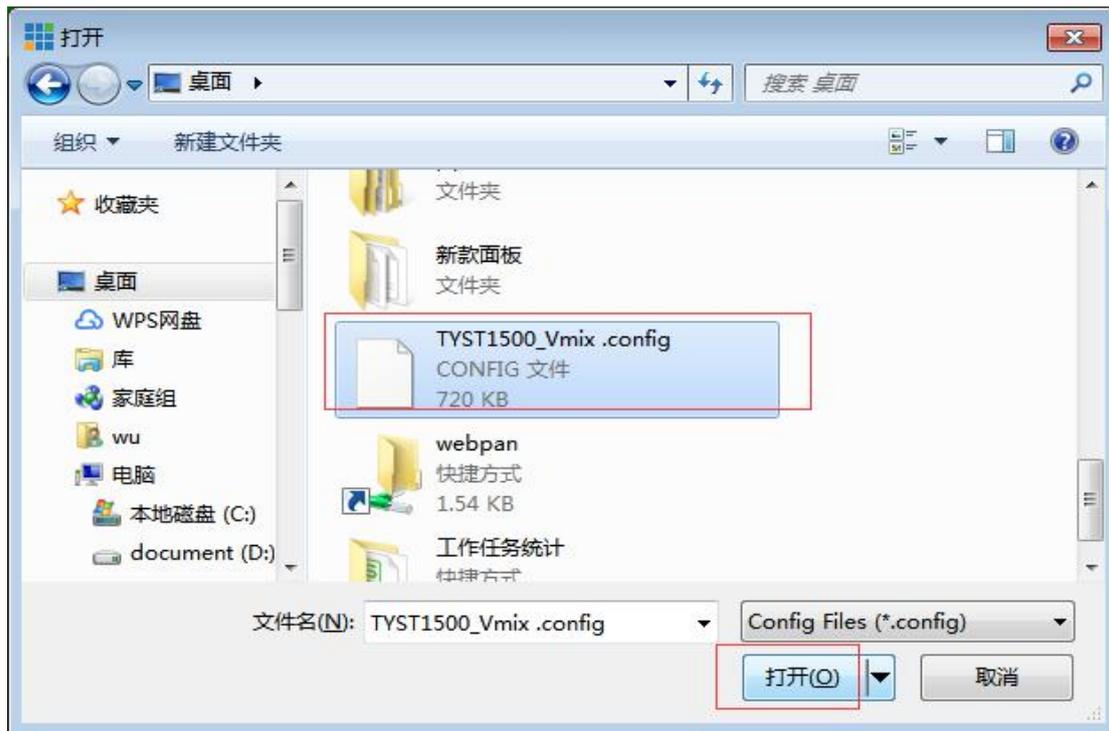
Template name	TYST1500_Vmix .config
Download address (Baidu net disk)	Link: https://pan.baidu.com/s/1g7QpBFLP2-6FKdfEkURKZg Extract code hyk6 ,

3. Open the VMIX software, click the setting button on the up right corner.



Click the entrance and find the downloaded “TYST1500_Vmix .config” template configure document and lead in the VMIX system.





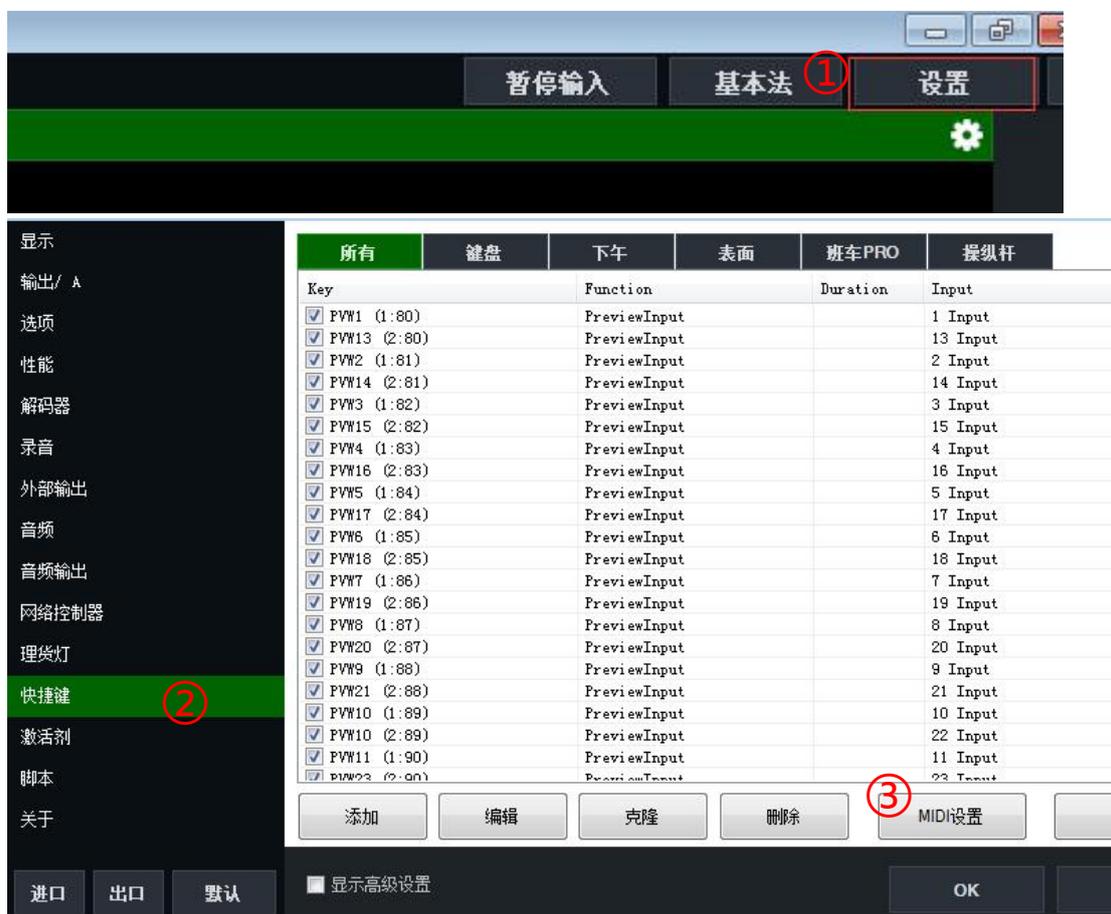
4. If your computer system is Windows10 operating system and VMIX software version is the latest version 22, the switch platform panel can be used when you finished above operations, the 1 and 2 way keys on the switch platform panel already displayed color, shown as the below picture.

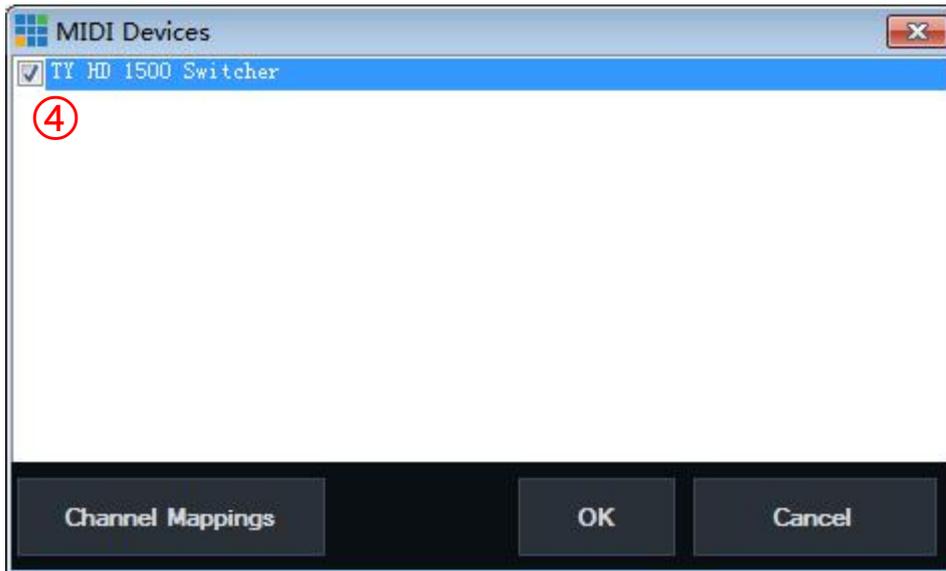


5. If your computer system is Win7 or Win8 operating system or your VMIX software version is not the latest version 22, the switch platform panel shown as the below picture after your load configuration finish the third step operation,



Please click the up right corner at Vmix software “Setting button→Quick key→MIDI setting→Tick TY HD 1500 Switcher”, the operating shown as the below picture.

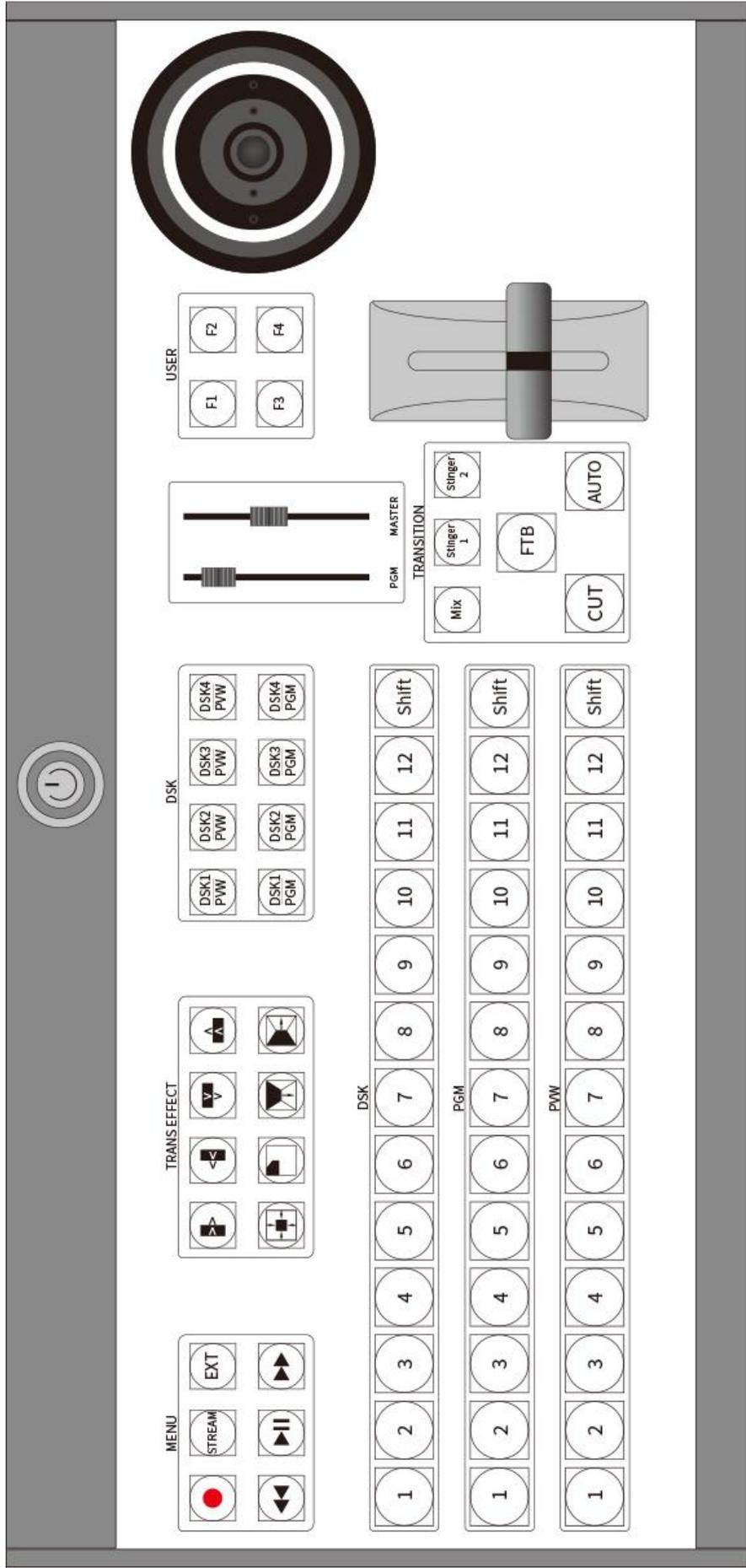




Restart Vmix software after finish above operations then can use, shown as the below picture.

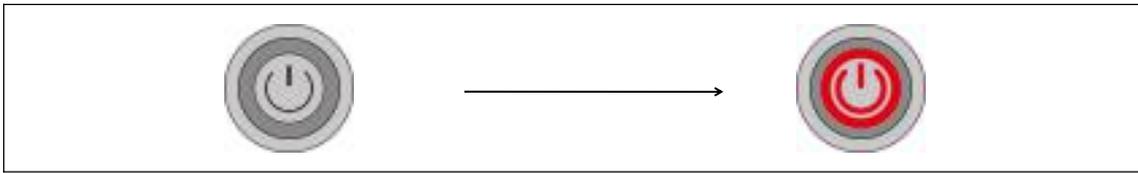


Fourth、 Switch platform keys introduce



1、 Power 1. Power supply switch

Press down the power supply ken, start the switch platform panel.



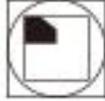
2、 MENU

	Video key, single click rec, single click again then cancel rec, the status can be real time check at Record button position of VMIX interface.
	Multiply passageway rec key, need VMIX version support this function and do well at rec setting in advance.
	Output to big screen through output card.
	Back select / page key, you can page back the PPT, picture set, and the previous page
	Preview and play key to play the picture set, video, audio, sequence and dynamic subtitle in PVW preview state.
	Forward select / page key, you can page forward PPT, picture set, and next.

3、 TRANS EFFETC

Special effect transition key, the selected special effect will be on green light, after switching 2 times, the special effect light will be off, the special effect will keep the selected effect.

	AUTO		zoom
	Flip down		Stringer1 If no default fade

	Right stroke		Stroke left
	Draw down		Draw up the image

4. DSK

Four groups of DSK overlay downstream keys, including four PGM outputs and four PVW preview keys, need to be used in combination with 1-12 DSK keys. The shift key has a reaction function. Activate shift. Selecting 1-12 keys corresponds to 13-24 channels of signals.

			
PGM DSK1	PGM DSK2	PGM DSK3	PGM DSK4
			
PVW DSK1	PVW DSK2	PVW DSK3	PVW DSK4

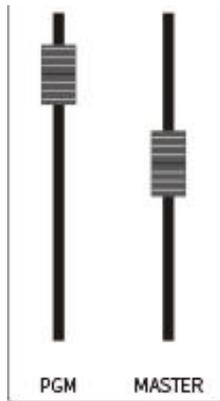


example:

DSK1/PGM + DSK1key, The first signal is used as the superimposed picture to the main output.

DSK2/PVW + shift + DSK1Key, The 13th signal is used as the superimposed picture to the main output.

5、 Audio Mixer



Volume control pusher, default only control the main output (PGM) audio volume.

5、 USER

User defined keys can be set in the system shortcut key according to the needs.



6、 CAM/AI Ctrl cloudy platform rock rod

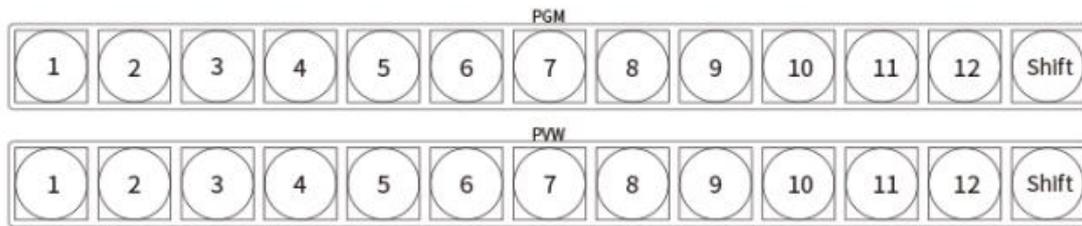


A. Cloudy platform Hoare control remote controller, the user can connect to cloudy platform camera through PTZ joggle, also can update the VMIX

system version to 4K and above version, also can control the cloudy platform camera without connect PTZ.

B. platform Hoare control can control the cloudy platform camera operation like revolve, pitching angle and zooming, etc, when actual using, can click the setting button at down right corner of cloudy platform camera tableau→cloudy platform→equipment types PTZ Optics VISCA UDP→IP Address (cloudy platform IP address)→Connect, then can use the cloudy platform Hoare control cloudy platform camera.

6. PGM/PVW

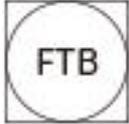


PGM/PVW main switch output and preview the monitor key, provide 1-12 ways switch keys.

CUT: hard cutting..

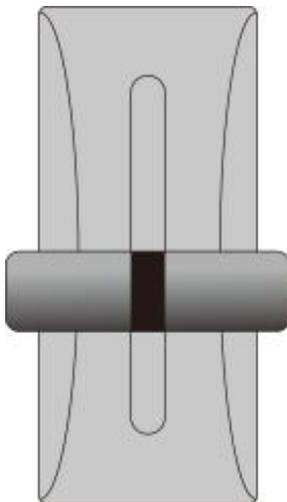
7. TRANSITON

Transition area includes fade in and fade out, stringer 1 / 2, black field, hard cut and special effects switch key.

	AUTO		Stringer1
	Stringer2		FTB
	CUT		With effect AUTO, Use with trans Effetc.

8. T-Bar

T-Bar, Use with trans Effetc.



Fifth、 Switch platform joggles introduce



V-COM/COM: update the switch platform panel use, need connect the USB joggle when update the system.

USB:use when using switch platform panel, free at drive.

PTZ:connect the platform camera through RS422 wire, realize control.

TALLY A/B: 1-4 ways Tally and 5-8 ways output.