

A63 --- 4K Multi-Image Processor Configuration Mode Description



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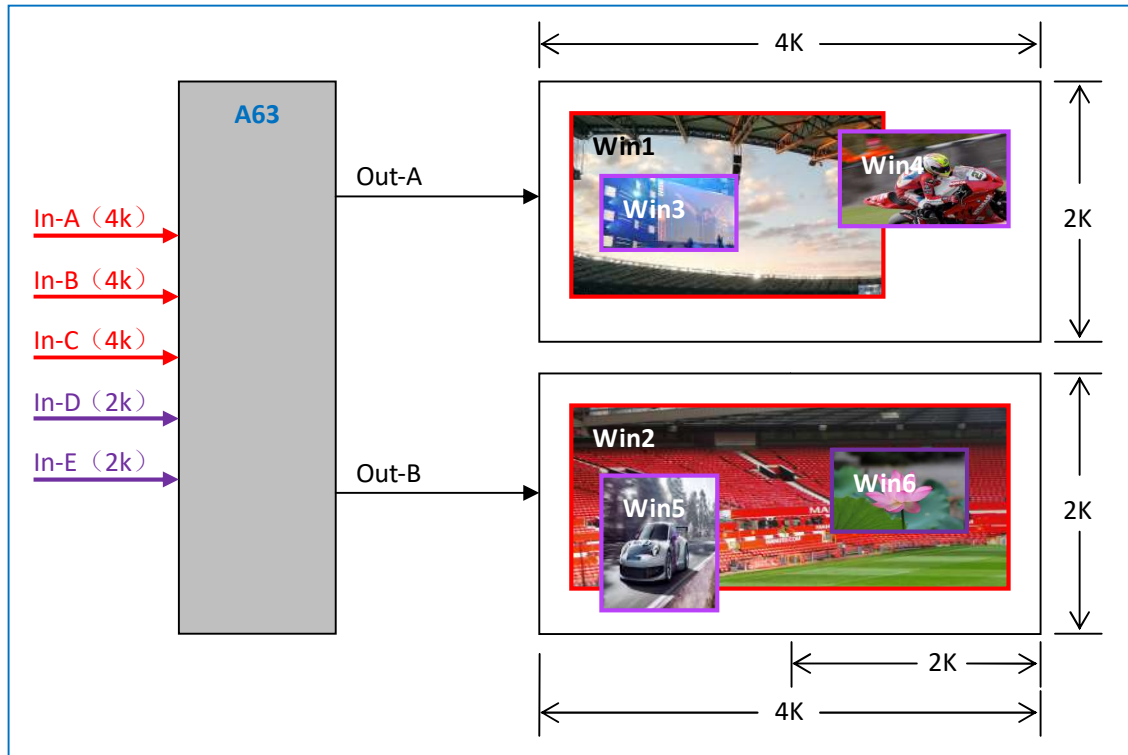
A63 provides 3 configuration mode (operating mode):

configuration mode 0 (CfgM0) ----- Switcher Mode

configuration mode 1 (CfgM1) ----- Mosaic Mode

configuration mode 2 (CfgM2) ----- 4 Image Mode

1、 Configuration mode0 (CfgM0) ----- Switcher Mode



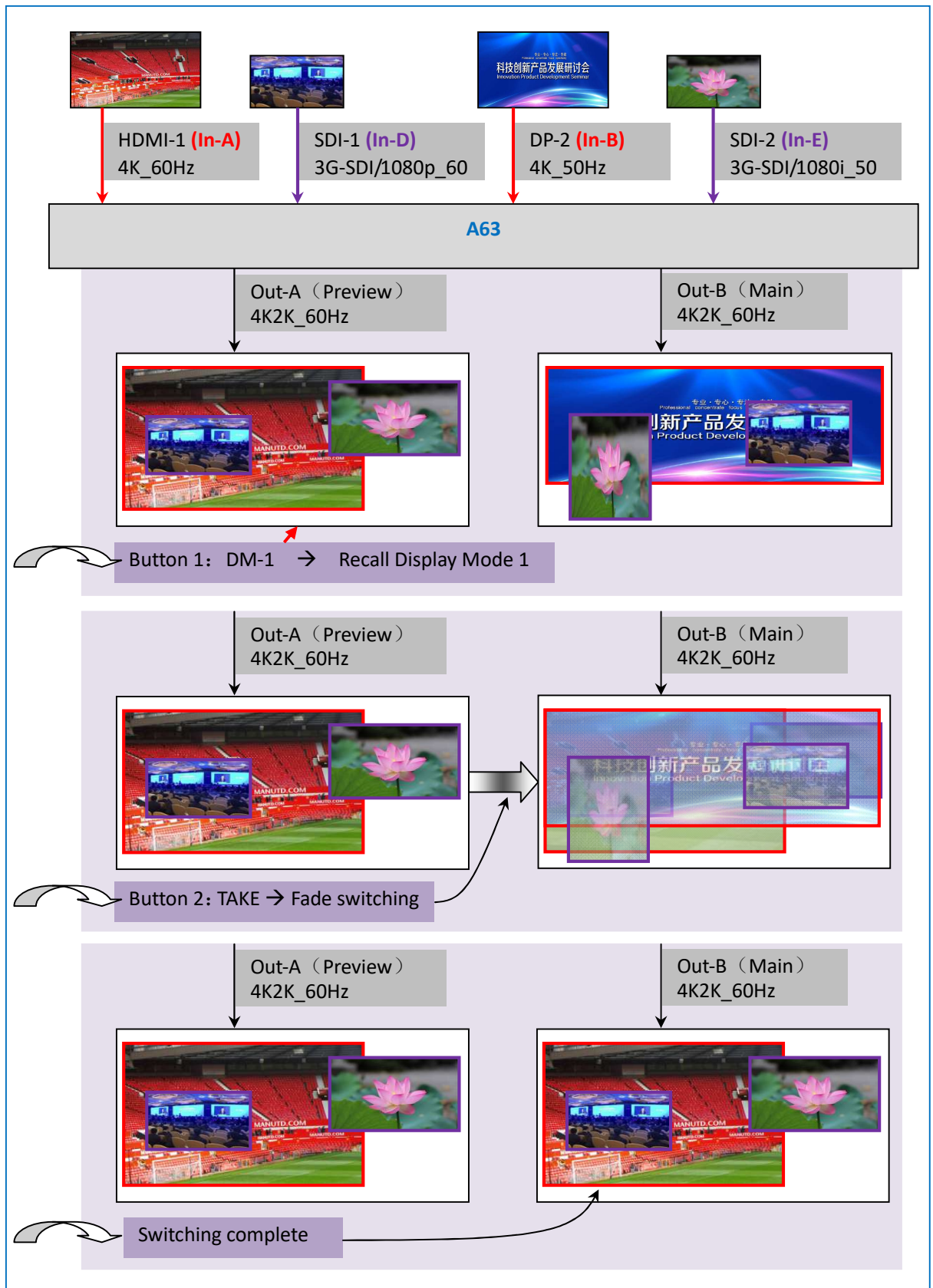
Description:

- 1) In **configuration mode 0 (CfgM0)**, **A63** Out-A is preview output, Out-B is program output
- 2) Out-A 3 windows are defined as: Win1、 Win3、 Win4
- 3) Out-B 3 windows are defined as: Win2、 Win5、 Win6
- 4) In “**preselect+TAKE**” switching mode, press“**TAKE**”button, swap Out-B(Preview) to Out-A(Main output) with **Fade** switching effect, no image crack or latency
- 5) Win2 select signal source from In-A、 In-B or In-C
(As the above picture, window in **red frame** select signal source from **red arrowhead** source group)
- 6) Win5、 Win6 select signal source from In-D or In-E
(As the above picture, window in **purple frame** select signal source from **purple arrowhead** source group)
- 7) Win2 can set Size&Position within 4K2K, Win6 can set Size&Position within 2K2K
- 9) When Win6 open, Win5 can be sized and positioned on left side 2K2K ; When Win6 closed, Win5 can be sized and positioned within 4K2K

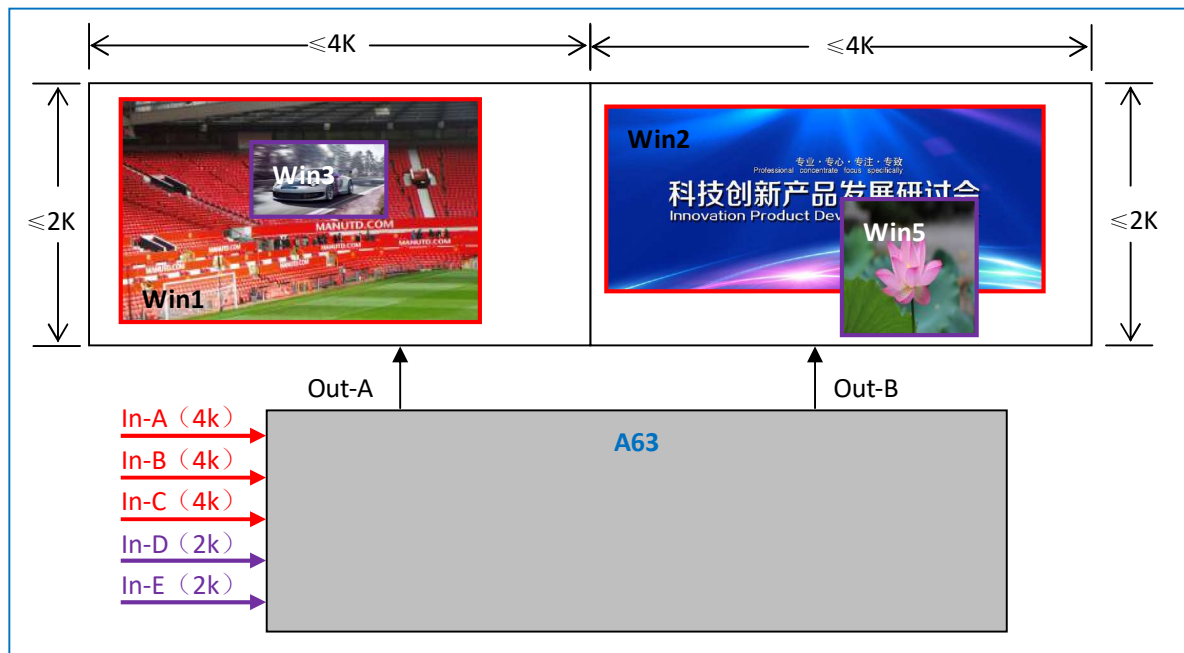
10) In **Configuration Mode 0 (CfgM0)**, window composition as following table:

Multi-win Mode	Window Group (PIP or POP)	Remarks
Win-M0	Win2	Win5 /Win6 Off
Win-M1	Win5	Win2/Win6 Off, Win5 can set Size&Position within 4K2K
Win-M2	Win2 + Win5	Win6 Off, Win5 can set Size&Position within 4K2K
Win-M3	Win5 + Win6	Win2 Off, Win5 on left side 2K2K, Win6 on right side 2K2K
Win-M4	Win2 + Win5 + Win6	All 3 windows activated, Win5 on left side 2K2K, Win6 on right side 2K2K

11) Switching procedure and effect

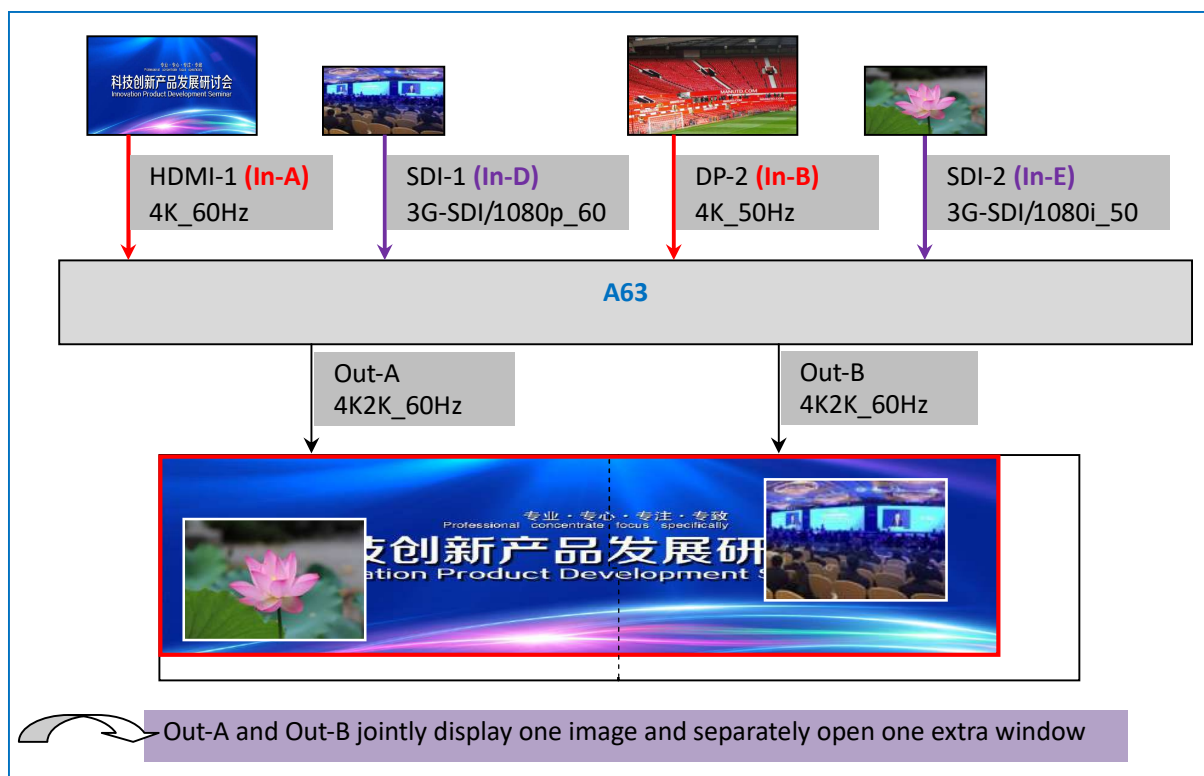


2、Configuration mode1 (CfgM1) ---- Mosaic Mode

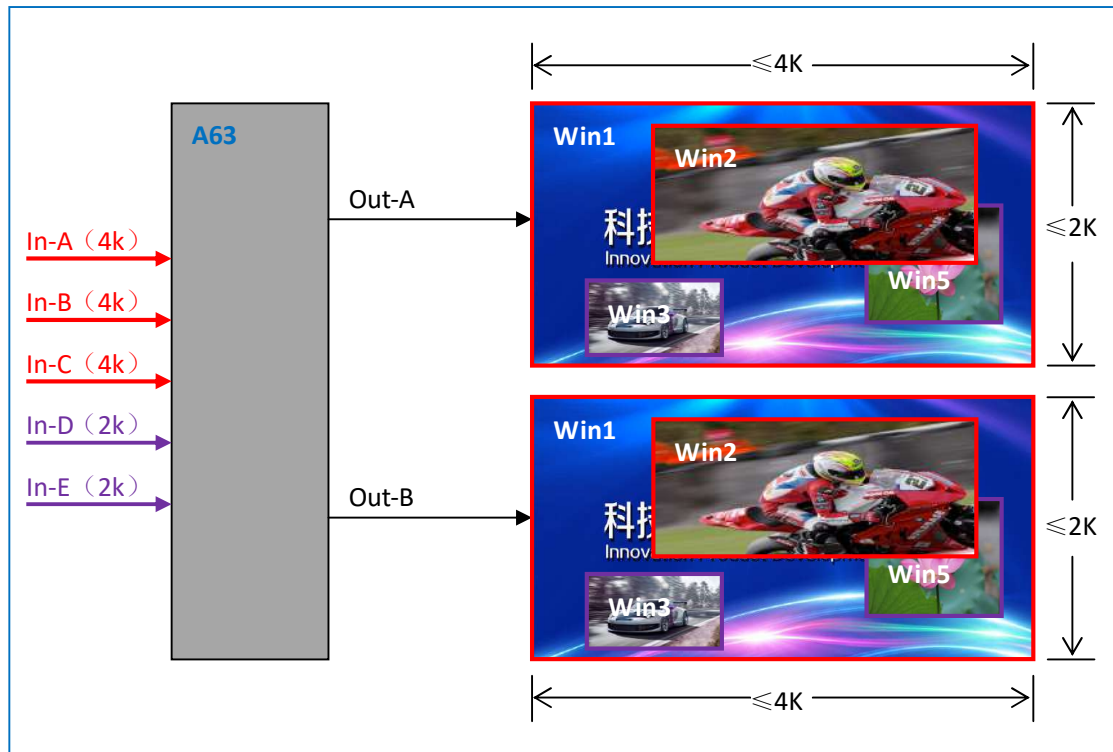


- 1) In this mode, Out-A and Out-B jointly display one 8K2K image
- 2) Win1、Win2 select signal source from In-A、In-B、In-C separately
 - As the above picture, red framed window select signal from red arrowhead source group
 - When Out-A and Out-B jointly display one image, Win1、Win2 must select same signal source
- 3) Win1 support any Size&Position cropping of input image, so as Win2, thus realize the splicing function
- 4) Win3、Win5 select signal source from In-D、In-E independently
 - As the above picture, purple framed window select signal from purple arrowhead source group
- 5) Win3 can be arbitrarily sized and positioned in 4K2K
- 6) Win5 can be arbitrarily sized and positioned in 4K2K

7) Splicing procedure as following diagram:



3、Configuration mode2 (CfgM2) ---- 4 Image Mode



- 1) In 4 image mode, Out-A can display 4 window images simultaneously, Out-B output identical content with Out-A
- 2) 4 windows are defined as: Win1、Win2、Win3、Win5
- 3) 4 windows can be sized and positioned randomly within 4K2K
- 4) Win1、Win2 select signal source from In-A、In-B、In-C separately
 - As the above picture, red framed window select signal source from red arrowhead source group
- 5) Win3、Win5 select signal source from In-D、In-E
 - As the above picture, purple framed window select signal from purple arrowhead source group
- 6) Win1、Win2、Win3、Win5 can freely arrange overlay sequence, meanwhile be assigned on top or at bottom with Fad switching effect, no image crack or latency

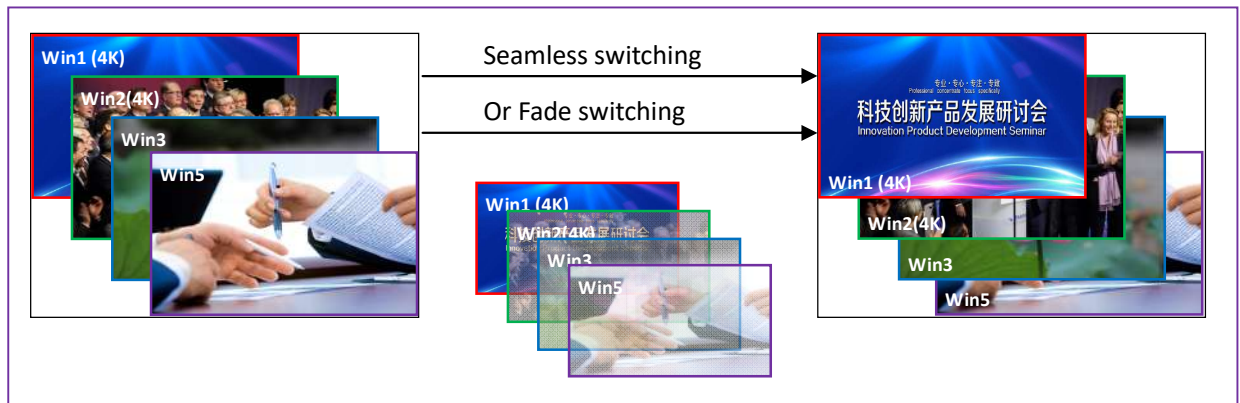
7) The following diagram shows 4 window random overlay sequence and open window



Description:

- 7.1) *Any Size&Position* setup of each window: Win1 、 Win2 、 Win3 、 Win5
- 7.2) Win1 、 Win2 is *4K2K@60Hz input*
- 7.3) Win3 、 Win5 *PIP / POP(dual image display)* available
- 7.4) *User defined overlay sequence*, usually, background image at bottom, ppt or live camera image on top

8) The following diagram shows the 4K Seamless and Fade switching



A) Background Win1 at bottom, 4 image display



B) Win3/Win5 under Win1, dual image display



C) Win1 on top, single image display

Seamless or
Fade switching
available for
each window