

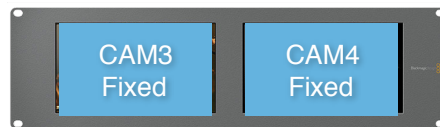
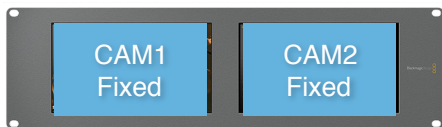
# Notes for ETH-GPI Link Configuration: *ATEM/AW-RP1xx Tally Conditions*

## Introduction

A system for a PTZ operator with 2 x SmartView Duo monitors and 1 x SmartView 4K monitor. ATEM provides tally and the AW-RP120/AW-RP150 is used for PTZ control. The goal is to get tally on the monitors from the ATEM and on the SmartView 4K tally should *only* be enabled when a selected camera on the AW-RP120/15 matches the same camera in the ATEM. Routing to the SmartView 4K based on selected camera on the AW-RP120/15 is not part of this configuration (can be done from additional ETH-GPI Link handling routing). The challenge was originally presented to us by Peter Knowles from <https://www.stvdioexpert.co.uk>



CAM1-4 routed to monitor dependent on camera select on the AW-RP120/150. Routing in this case not handled by SKAARHOJ. Tally only when PRV/PGM source on ATEM match selected CAM on AW-RP120/150.

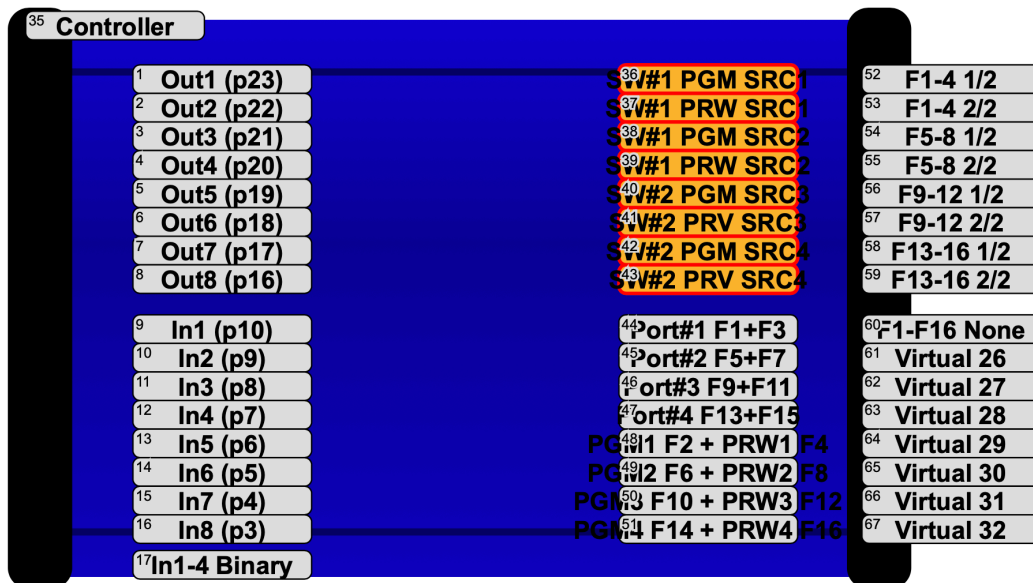


## Configuration Notes

The configuration uses Virtual Hardware Components on the ETH-GPI Link to set Flags based on certain criterias. These Flags are then used in the UniSketch OS environment to match conditions between ATEM and selected/routed camera on the AW-RP120/150. The configuration is called **ATEM/AW-RP1xx Tally Conditions**

### 2 x SmartView Duo

Tally is straightforward and set on Hardware Component #36-43



Example of setting Red and Green tally on Smartview Duo #1 for monitor A

#36

SW#1 PGM SRC1

Group 1

BMD ATEM: Program Src

M/E 1

1

and

System: Synthesized Trigger

Binary

Prev. action

and

BMD SmartScope: Border

A

Red

Hold Down

#37

SW#1 PRW SRC1

Group 1

BMD ATEM: Preview Src

M/E 1

1

and

System: Synthesized Trigger

Binary

Prev. action

and

BMD SmartScope: Border

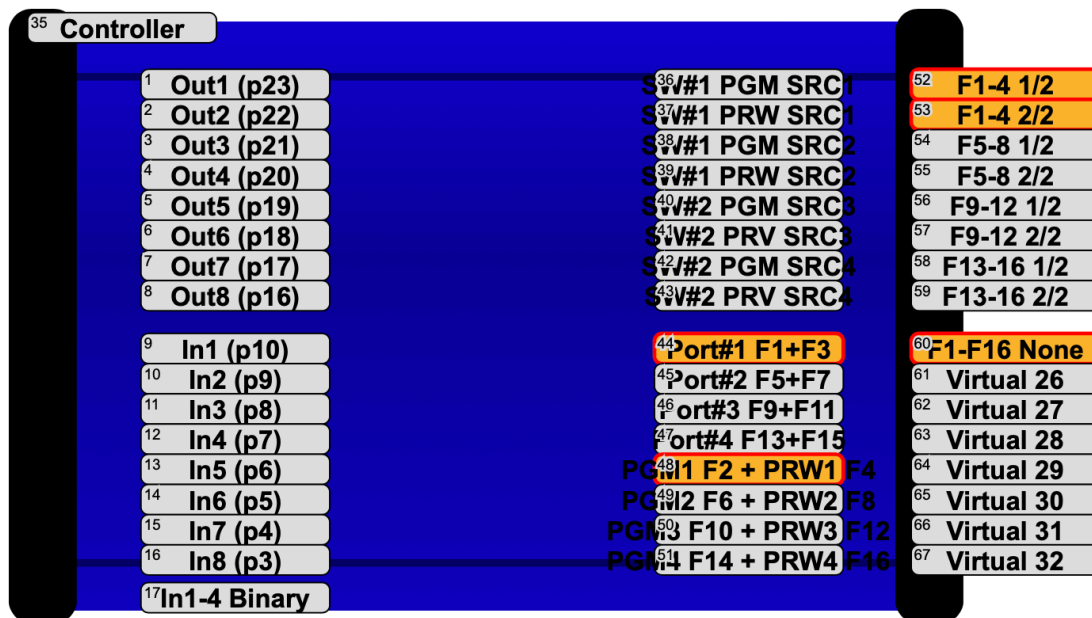
A

Green

Hold Down

## 1 x SmartView 4K

Tally on the SmartView 4K is more complicated as certain criteria have to be met before activating the red/green tally border. Below we walk through tally conditions when CAM1 have been selected on the AW-RP120/150. The relevant actions have been highlighted below



## AW-RP1xx Flags

AW-RP1xx CAM1 = **Flag 1** with Hold Down

AW-RP1xx CAM1 = **Flag 3** with Hold Down

#44 **Port#1 F1+F3** Port#1 F1+F3

**Group 1** CP

Panasonic AW-RP1xx: Port Select 1

and System: Synthesized Trigger Binary Prev. action

and System: Flag Flag: 1 Hold Down Feedback Flag: 0 Label: 0

and Panasonic AW-RP1xx: Port Select 1

and System: Synthesized Trigger Binary Prev. action

and System: Flag Flag: 3 Hold Down Feedback Flag: 0 Label: 0

+

## ATEM Flags

ATEM PGM1 = **Flag 2** with Hold Down

ATEM PRV1 = **Flag 4** with Hold Down

#48 **PGM1 F2 + PRW1 F4** PGM1 F2 + PRW1 F4

**Group 1** CP

BMD ATEM: Program Src M/E 1 1

and System: Synthesized Trigger Binary Prev. action

and System: Flag Flag: 2 Hold Down Feedback Flag: 0 Label: 0

and BMD ATEM: Preview Src M/E 1 1

and System: Synthesized Trigger Binary Prev. action

and System: Flag Flag: 4 Hold Down Feedback Flag: 0 Label: 0

+

## Flag Conditions

Now we enable Tally border based on Flag Conditions

**Flag 1** = AW-RP1xx CAM1

**Flag 2** = ATEM PGM1

When *all* of the Flags in range 1-2 are set RED Tally border is enabled

#52 **F1-4 1/2** F1-4 1/2

**Group 1** CP

System: Flag Condition From: 1 To: 2 All

and System: Synthesized Trigger Binary Prev. action

and BMD SmartScope #3: Border A Red Hold Down

+

**Flag 3** = AW-RP1xx CAM1

**Flag 4** = ATEM PRV1

When *all* of the Flags in range 3-4 are set GREEN Tally border is enabled

#53 **F1-4 2/2** F1-4 2/2

**Group 1** CP

System: Flag Condition From: 3 To: 4 All

and System: Synthesized Trigger Binary Prev. action

and BMD SmartScope #3: Border A Green Hold Down

+

When none of the Flags from 1-16 are set no tally border is enabled

#60 **F1-F16 None** F1-F16 None

**Group 1** CP

System: Flag Condition From: 1 To: 16 None

and System: Synthesized Trigger Binary Prev. action

and BMD SmartScope #3: Border A None

+

In the configuration CAM1-4 on the AW-RP120/150 are set to match PGM/PRV 1-4 on the ATEM.

# Device Cores

A total of 5 Device Cores is used for this configuration













- Controller Configuration
- Device Cores
- Manage Configurations
- Manage Media
- Button Labels
- Firmware Overview

## Device Cores

Below, you can see the currently enabled device support on your controller. You can add and delete device cores in accordance with your requirements up to a maximum of 14 devices. To understand the development states Mature, Beta, Alpha and Planned (as well as Pro and Planned actions), please check out the [device core support page](#). For general documentation, please see the [UniSketch Manual](#) and [System Actions Manual](#).

StudioExpert - do not delete. Updates with order ▾

	<b>Panasonic AW-RP1xx</b> Control of few but very practical parameters on the Panasonic AW-RP120 and AW-RP150 PTZ controller. <a href="#">Go to manual</a>		
	<b>BMD ATEM</b> Blackmagic Design ATEM Switcher series, all models. Comprehensive list of ATEM features supported including various meta features implemented in the controllers. This is recommended for the experts and advanced users. Connection to the ATEM switcher is via IP (UDP) directly to the switcher or through the <a href="#">SKAAPHOJ ATEM Proxy</a> . See <a href="#">ATEM Action Manual</a>		
	<b>BMD SmartScope</b> Blackmagic Design SmartScope and SmartView Monitors, all models. Controlling features of Blackmagic SmartScopes and SmartView monitors, such as <a href="#">SmartScope Action Manual</a>		SmartView Duo #1
	<b>BMD SmartScope</b> Blackmagic Design SmartScope and SmartView Monitors, all models. Controlling features of Blackmagic SmartScopes and SmartView monitors, such as <a href="#">SmartScope Action Manual</a>		SmartView Duo #2
	<b>BMD SmartScope</b> Blackmagic Design SmartScope and SmartView Monitors, all models. Controlling features of Blackmagic SmartScopes and SmartView monitors, such as <a href="#">SmartScope Action Manual</a>		SmartView 4K

Vis en menu

Save Settings

Add another device ▾