

# **SDR and HDR Settings Guide**

This guide will indicate how to set the parameters of SDR and HDR color modes for applicable monitors.

# Applicable Monitors ColorEdge CG3145, CG319X, CG279X

# Conditions

 The settings described in this document are supported by the following firmware versions. If you are using an older version, please update to the latest version by clicking on the appropriate link below. CG3145: <u>https://www.eizoglobal.com/support/db/products/software/CG3145#tab02</u> CG319X: <u>https://www.eizoglobal.com/support/db/products/software/CG319X#tab02</u> CG279X: This model ships with the supported firmware version.

When updating the above monitors to the latest firmware, the monitor OSD settings and ColorNavigator NX settings are forcibly reset.

- 2. Each time you change color modes, especially between HDR and SDR, allowing 30 minutes of aging time is recommended.
- 3. When making a validation, it is recommended to calibrate the monitor with ColorNavigator 7 in advance and use the same sensor for the validation. The CG3145 will support ColorNavigator 7 (ver. 7.0.2) from January, 2019.

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OSD Adjustment - Color Mode: BT.2020 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (5)$  (Color)

Color mode: BT.2020							
	YUV422						
	1	YUV Color Matrix	BT.2020 <sup>1</sup>				
	2	Input Range	Limited (109% White)				
	3	Color Mode	BT.2020				
	4	Brightness	123 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	2.4				

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: BT.2020						
RGB444						
	2	Input Range	Full			
	3	Color Mode	BT.2020			
	4	Brightness	100 cd/m <sup>2</sup>			
	(5)	Gamma (EOTF)	2.4			

Signal	Options		
Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]
Input Range		2	]
HDMI Settings			
Signal Information			
1920x1080 60.00 Hz			
Limited Range			
YCbCr4:2:2 10bit			

1.1

# Color Options

Colo	r (BT.70	9)	
Color Mode	[	3	]]
Brightness	[	4	] ]
Temperature	[	D65	]
Gamma (EOTF)	[	5	]
PQ Clipping			
HLG System Gamma			
Color Gamut	]	BT.709	]
Advanced Settings			
Reset			



<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

3

OSD Adjustment - Color Mode: BT.709 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (5)$  (Color)

Color mode: BT 709						
VIN 400						
	YUV	422				
	1	YUV Color Matrix	BT.709			
	2	Input Range	Limited (109% White)			
	3	Color Mode	BT.709			
	4	Brightness	123 cd/m <sup>2</sup>			
	5	Gamma (EOTF)	2.4			

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: BT.709							
RGB444							
	2	Input Range	Full				
	3	Color Mode	BT.709				
	4	Brightness	100 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	2.4				

# Signal Options Signal (HDM11) Input Color Format Auto YUV Color Matrix ① Input Range ② HDMI Settings 3 Signal Information 3 1920x1080 60.00 Hz Limited Range 4 YCbCr4:2:2 10bit

1.2

### Color Options Color (BT.709) Color Mode 3 ]] Brightness [[ 4 Temperature D65 Gamma (EOTF) 5 ٦ BT.709 Color Gamut ] Advanced Settings Reset



OSD Adjustment – Color Mode: DCI (SDR)

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: DCI							
RGB444							
	2	Input Range	Full				
	3	Color Mode	DCI				
	4	Brightness	48 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	2.6				



Reset

1.3



# OSD Adjustment - Color Mode: PQ\_BT.2100 (HDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (5)$  (Color)

Color mode: PQ_BT.2100							
	YUV422						
	1	YUV Color Matrix	BT.2020 <sup>1</sup>				
	2	Input Range	Limited				
	3	Color Mode	PQ_BT.2100				
	4	Brightness	1000 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	PQ				

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: PQ_BT.2100							
RGB444							
	2	Input Range	Full				
	3	Color Mode	PQ_BT.2100				
	4	Brightness	1000 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	PQ				

# Signal Options Signal (HDMI1) Input Color Format Auto YUV Color Matrix ① Input Range ② HDMI Settings Imput Settings Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit Input Range Imput Range

1.4

# Color Options

Colo	r (BT.70	9)	
Color Mode	[	3	]
Brightness	[	4	]
Temperature	[	D65	]
Gamma (EOTF)	[	5	]
PQ Clipping			
HLG System Gamma			
Color Gamut	[	BT.709	]
Advanced Settings			
Reset			



# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: PQ_DCI							
	RGB444						
	2	Input Range	Full				
	3	Color Mode	PQ_DCI				
	4	Brightness	1000 cd/m <sup>2</sup>				
	5	Gamma (EOTF)	PQ				

Signal Options					
Signal	(HDMI1)				
Input Color Format	[	Auto	]		
YUV Color Matrix	[	1	] ו		
Input Range	[	2	] נ		
HDMI Settings					
Signal Information					
1920x1080 60.00 Hz					
Limited Range					
YCbCr4:2:2 10bit					

# **Color Options**

Color	(BT.70	09)	
Color Mode	[	3	]
Brightness	[	4	]
Temperature	[	D65	]
Gamma (EOTF)	[	5	]
PQ Clipping			
HLG System Gamma			
Color Gamut	[	BT.709	]
Advanced Settings			
Reset			



# 1.5

OSD Adjustment – Color Mode: PQ\_DCI (HDR)

# 1.6

OSD Adjustment - Color Mode: HLG\_BT.2100 (HDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $1 \sim 2$  (Signal) and  $3 \sim 5$  (Color)

Colo	Color mode: HLG_BT.2100							
	YU	YUV422						
	1	YUV Color Matrix	BT.2020 <sup>1</sup>					
	2	Input Range	Limited					
	3	Color Mode	HLG_BT.2100					
	4	Brightness	1000 cd/m <sup>2</sup>					
	5	Gamma (EOTF)	HLG					

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color) as indicated

Color mode: HLG_BT.2100								
	RGB444							
	2	Input Range	Full					
	3	Color Mode	HLG_BT.2100					
	4	Brightness	1000 cd/m <sup>2</sup>					
	5	Gamma (EOTF)	HLG					

# Signal Options Signal (HDMI1) Input Color Format Auto YUV Color Matrix ① Input Range ② HDMI Settings I Signal Information I 1920x1080 60.00 Hz Limited Range I YCbCr4:2:2 10bit

Color Options					
Color	· (BT.70	)9)			
Color Mode	[	3	]		
Brightness	[	4	]		
Temperature	[	D65	]		
Gamma (EOTF)	[	5	]		
PQ Clipping					
HLG System Gamma					
Color Gamut	[	BT.709	]		
Advanced Settings					
Reset					



<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items (1)  $\sim$  (2)
- 2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit Target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select BT.2020
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

olor mode: BT.2020					
	YUV422				
	1	Brightness	123 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	2.4		
	$\bigcirc$	Priority	Standard		
	8	Gamut	BT.2020		
	9	Gamut Clipping	$\checkmark$		
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited (109% White)		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select BT.2020
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Colo	Color mode: BT.2020					
	RGB444					
	1	Brightness	100 cd/m <sup>2</sup>			
	2	Black Level	Minimum			
	3	White Point	D65			
	4	Gamma (EOTF)	2.4			
	0	Priority	Standard			
	8	Gamut	BT.2020			
	9	Gamut Clipping	$\checkmark$			
	2	Input Range	Full			

Standard

Native
 Standard value
 BT.2020

9

Gray balance
 Fixed gamma

Gamut Clipping



R (0.7080, 0.2920) G (0.1700, 0.7970) B (0.1310, 0.0460) 800 900



ColorNavigator 7 Adjustment - Color Mode: BT.2020 (SDR)

Signal Options

Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]]
Input Range HDMI Settings	[	2	]]
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -			

<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

Priority

Gamu

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items (1)  $\sim$  (2)
- 2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit Target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select BT.709
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

olor mode: BT.709					
YUV422					
1	Brightness	123 cd/m <sup>2</sup>			
2	Black Level	Minimum			
3	White Point	D65			
4	Gamma (EOTF)	2.4			
0	Priority	Standard			
8	Gamut	BT.709			
9	Gamut Clipping	$\checkmark$			
1	YUV Color Matrix	BT.709			
2	Input Range	Limited (109% White)			
	or mo YUV (1) (2) (3) (4) (7) (8) (9) (1) (2)	v mode: BT.709 YUV422 1 Brightness 2 Black Level 3 White Point 4 Gamma (EOTF) 7 Priority 8 Gamut 9 Gamut Clipping 1 YUV Color Matrix 2 Input Range			

## When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit target...**
- 3. Under Color mode type Markov , select Advanced Mode and under Preset target, select BT.709
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Colc	Color mode: BT.709					
	RGE	3444				
	1	Brightness	100 cd/m <sup>2</sup>			
	2	Black Level	Minimum			
	3	White Point	D65			
	4	Gamma (EOTF)	2.4			
	0	Priority	Standard			
	8	Gamut	BT.709			
	9	Gamut Clipping	$\checkmark$			
	2	Input Range	Full			

ColorNavigator 7 Options



2.2



ColorNavigator 7 Adjustment - Color Mode: BT.709 (SDR)

# Signal Options

Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]
Input Range	[	2	]
HDMI Settings			
Signal Information			
1920x1080 60.00 Hz			
Limited Range			
YCbCr4:2:2 10bit			

# When using RGB444:

C

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode **DCI**, then select **EditTarget...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select DCI
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

G	B444	
1	Brightness	48 cd/m <sup>2</sup>
2	Black Level	Minimum
3	White Point	D65
4	Gamma (EOTF)	2.6
D	Priority	Standard
8	Gamut	DCI
9	Gamut Clipping	~
2	Input Range	Full

ColorNavigator 7 Options



2.3



ColorNavigator 7 Adjustment - Color Mode: DCI (SDR)

Signal Options						
Signal	(HDMI1)					
Input Color Format	[	Auto	]			
YUV Color Matrix	[	1	] ו			
Input Range	[	2	]]			
HDMI Settings						
Signal Information						
1920x1080 60.00 Hz						
Limited Range	Limited Range					
YCbCr4:2:2 10bit						

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items (1)  $\sim$  (2)
- 2. Open ColorNavigator 7 and right click color mode PQ\_BT.2100, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

olor mode: PQ_BT.2100					
	YUV422				
	1	Brightness	1000 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	PQ		
	(5)	PQ Clipping	1000		
	0	Priority	Standard		
	8	Gamut	BT.2020		
	9	Gamut Clipping	✓		
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited		

### When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode PQ\_BT.2100, then select Edit target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Color mode: PQ_BT.2100				
	RGB444			
	1	Brightness	1000 cd/m <sup>2</sup>	
	2	Black Level	Minimum	
	3	White Point	D65	
	4	Gamma (EOTF)	PQ	
	(5)	PQ Clipping	1000	
	0	Priority	Standard	
	8	Gamut	BT.2020	
	9	Gamut Clipping	✓	
	2	Input Range	Full	

ColorNavigator 7 Options



2.4

ColorNavigator 7 Adjustment – Color Mode: PQ\_BT.2100 (HDR)



Signal Options				
Signal	(HDMI1)			
nput Color Format	[	Auto	]	
'UV Color Matrix	[	1	[ ]	
nput Range IDMI Settings	[	2	נ	
ignal Information 920x1080 60.00 Hz imited Range CbCr4:2:2 10bit				

<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode **PQ\_DCI**, then select **Edit Target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_DCI
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

Color mode: PQ_DCI					
	RGB444				
	1	Brightness	1000 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	PQ		
	6	PQ Clipping	1000		
	0	Priority	Standard		
	8	Gamut	DCI		
	9	Gamut Clipping	✓		
	2	Input Range	Full		

ColorNavigator 7 Options



2.5



ColorNavigator 7 Adjustment - Color Mode: PQ\_DCI (HDR)

Signal Options

Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	] ]
Input Range	[	2	]]
HDMI Settings			
Signal Information			
1920x1080 60.00 Hz			
Limited Range			
YCbCr4:2:2 10bit			

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items (1)  $\sim$  (2)
- 2. Open ColorNavigator 7 and right click color mode HLG\_BT.2100, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select HLG\_BT.2100
- 4. Set items (1)  $\sim$  (4) and (6)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

olor mode: HLG_BT.2100					
	YU	422			
	1	Brightness	1000 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	HLG		
	6	HLG System Gamma	1.2		
	0	Priority	Fixed gamma		
	8	Gamut	BT.2020		
	9	Gamut Clipping	✓		
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited		

## When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item 2
- 2. Open ColorNavigator 7 and right click color mode HLG\_BT.2100, then select Edit target...
- 3. Under Color mode type Markov , select Advanced Mode and under Preset target, select HLG\_BT.2100
- 4. Set items (1)  $\sim$  (4) and (6)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Colo	Color mode: HLG_BT.2100				
	RGB444				
	1	Brightness	1000 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	HLG		
	6	HLG System Gamma	1.2		
	$\bigcirc$	Priority	Fixed gamma		
	8	Gamut	BT.2020		
	9	Gamut Clipping	$\checkmark$		
	2	Input Range	Full		

# ColorNavigator 7 Options



2.6

ColorNavigator 7 Adjustment – Color Mode: HLG\_BT.2100 (HDR)



Signal Options						
Signal	(HDMI1)					
Input Color Format	[]	Auto	]			
YUV Color Matrix	[	1	]]			
Input Range	[	2	]]			
HDMI Settings						
Signal Information						
1920x1080 60.00 Hz						
Limited Kange	Limited Range					
YCbCr4:2:2 10bit						

<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

# OSD Adjustment - Color Mode: BT.2020 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (5)$  (Color)

Color mode: BT.2020				
YUV422				
	1	YUV Color Matrix	BT.2020 <sup>1</sup>	
	2	Input Range	Limited (109% White)	
	3	Color Mode	BT.2020	
	4	Brightness	123 cd/m <sup>2</sup>	
	5	Gamma (EOTF)	2.4	

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Colo	Color mode: BT.2020				
	RGB444				
	2	Input Range	Full		
	3	Color Mode	BT.2020		
	4	Brightness	100 cd/m <sup>2</sup>		
	5	Gamma (EOTF)	2.4		

# Signal Options Signal (HDMI1) Input Color Format Auto YUV Color Matrix ① Input Range ② HDMI Settings 3 Signal Information 3 1920x1080 60.00 Hz Limited Range 4 YCbCr4:2:2 10bit

1.1

# Color Options

Color (BT.709)					
Color Mode	[	3	]		
Brightness	[	4	]		
Temperature	[	D65	]		
Gamma (EOTF)	[	5	]		
PQ Clipping					
HLG System Gamma					
Color Gamut	[	BT.709	]		
Advanced Settings					
Reset					



<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

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OSD Adjustment - Color Mode: BT.709 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (5)$  (Color)

Colo	Color mode: BT.709				
	YUV422				
	1	YUV Color Matrix	BT.709		
	2	Input Range	Limited (109% White)		
	3	Color Mode	BT.709		
	4	Brightness	123 cd/m <sup>2</sup>		
	5	Gamma (EOTF)	2.4		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Colc	Color mode: BT.709					
	RGB444					
	2	Input Range	Full			
	3	Color Mode	BT.709			
	4	Brightness	100 cd/m <sup>2</sup>			
	5	Gamma (EOTF)	2.4			

# Signal Options Signal (HDMI1) Input Color Format Auto YUV Color Matrix ① Input Range ② Input Range ② HDMI Settings 3 Signal Information 1920x1080 60.00 Hz Limited Range YUbcr4:2:2 10bit

Color Options Color (BT.709) Color Mode 3 נר Brightness [ 4 11 D65 Temperature Gamma (EOTF) 5 1 Color Gamut BT.709 ] Advanced Settings Reset



# 1.2

# 1.3

OSD Adjustment - Color Mode: DCI (SDR)

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (5) (Color)

Color mode: DCI					
RGB444					
	2	Input Range	Full		
	3	Color Mode	DCI		
	4	Brightness	48 cd/m <sup>2</sup>		
	5	Gamma (EOTF)	2.6		





Color	r (BT.7	09)	
Color Mode	[	3	]
Brightness	[	4	]]
Temperature	[	D65	]
Gamma (EOTF)	[	5	]
PQ Clipping			
HLG System Gamma			
Color Gamut	[	BT.709	]
Advanced Settings			
Reset			



# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (6) (Color)

Color mode: PQ_DCI (PQ Clipping: 300 cd/m <sup>2</sup> )					
RGB444					
	2	Input Range	Full		
	3	Color Mode	PQ_DCI		
	4	Brightness	300 cd/m <sup>2</sup>		
	(5)	Gamma (EOTF)	PQ		
	6	PQ / HLG Clipping	300 cd/m² <sup>3</sup>		



1.4

Advanced Settings

Reset



OSD Adjustment - Color Mode: PQ\_DCI (PQ / HLG Clipping: 300 cd/m<sup>2</sup>) (HDR)

1.5

Color Gamut

Reset

Advanced Settings

OSD Adjustment – Color Mode: PQ\_DCI (PQ / HLG Clipping: 1000 cd/m<sup>2</sup>) (HDR)

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (6) (Color)

Color mode: PQ_DCI (PQ Clipping: 1000 cd/m <sup>2</sup> )				
RGB444				
	2	Input Range	Full	
	3	Color Mode	PQ_DCI	
	4	Brightness	300 cd/m <sup>2</sup>	
	5	Gamma (EOTF)	PQ	
	6	PQ / HLG Clipping	1000 cd/m² <sup>4</sup>	



BT. 2020

1



<sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.

1.6

OSD Adjustment – Color Mode: PQ\_BT.2100 (PQ / HLG Clipping: 300 cd/m<sup>2</sup>) (HDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (6)$  (Color)

Colo	Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m <sup>2</sup> )				
	YUV422				
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited		
	3	Color Mode	PQ_BT.2100		
	4	Brightness	300 cd/m <sup>2</sup>		
	(5)	Gamma (EOTF)	PQ		
	6	PQ / HLG Clipping	300 cd/m <sup>2 3</sup>		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (6) (Color)

Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m <sup>2</sup> )						
	RGB444					
	2	Input Range	Full			
	3	Color Mode	PQ_BT.2100			
	4	Brightness	300 cd/m <sup>2</sup>			
	5	Gamma (EOTF)	PQ			
	6	PQ / HLG Clipping	300 cd/m² <sup>3</sup>			

Signal Options

 Signal (HDMI1)

 Input Color Format
 Auto

 YUV Color Matrix
 ①

 Input Range
 ②

 HDMI Settings
 ③

 Signal Information
 1920x1080

 1920x1080
 60.00 Hz

 Limited Range
 ✓

 YCbCr4:2:2
 10bit





<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

<sup>3</sup> PQ Curve allows the display of up to 300 cd/m<sup>2</sup>. Areas on the screen which exceed this amount are clipped.

1.7

OSD Adjustment – Color Mode: PQ\_BT.2100 (PQ / HLG Clipping: 1000 cd/m<sup>2</sup>) (HDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (6)$  (Color)

Cold	Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m <sup>2</sup> )					
	YUV422					
	1	YUV Color Matrix	BT.2020 <sup>1</sup>			
	2	Input Range	Limited			
	3	Color Mode	PQ_BT.2100			
	4	Brightness	300 cd/m <sup>2</sup>			
	(5)	Gamma (EOTF)	PQ			
	6	PQ / HLG Clipping	1000 cd/m² <sup>4</sup>			

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (6) (Color)

Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m <sup>2</sup> )					
	RGB444				
	2	Input Range	Full		
	3	Color Mode	PQ_BT.2100		
	4	Brightness	300 cd/m <sup>2</sup>		
	5	Gamma (EOTF)	PQ		
	6	PQ / HLG Clipping	1000 cd/m <sup>2</sup> <sup>4</sup>		

Signal Options

 Signal (HDM11)

 Input Color Format
 Auto

 YUV Color Matrix
 ①

 Input Range
 ②

 HDMI Settings
 3

 Signal Information
 1920x1080

 1920x1080
 60.00 Hz

 Limited Range
 4

 YUb Color 4:2:2
 10bit

### Color (PQ\_BT,2100) Color Mode 3 Brightness 4 Temperature D65 Gamma (EOTF) 5 PQ / HLG Clipping 11 6 HLG System Gamma Color Gamut BT. 2020 า Advanced Settings Reset

**Color Options** 



- BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.
- <sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (7)$  (Color)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)					
	YUV422				
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited		
	3	Color Mode	HLG_BT.2100		
	4	Brightness	300 cd/m <sup>2</sup>		
	6	Gamma (EOTF)	HLG		
	6	PQ / HLG Clipping	ON <sup>2</sup>		
	$\bigcirc$	HLG System Gamma	1.2		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and  $(3) \sim (7)$  (Color)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)				
	RGE	3444		
	2	Input Range	Full	
	3	Color Mode	HLG_BT.2100	
	4	Brightness	300 cd/m <sup>2</sup>	
	5	Gamma (EOTF)	HLG	
	6	PQ / HLG Clipping	ON <sup>2</sup>	
	$\bigcirc$	HLG System Gamma	1.2	
	$\underline{w}$	HLG System Gamma	1.2	

Signal Options Signal (HDM11) Input Color Format [ Auto ] YUV Color Matrix [ ① ] Input Range [ 2 ] HDMI Settings Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -

1.8





OSD Adjustment - Color Mode: HLG\_BT.2100 (PQ / HLG Clipping: ON) (HDR)

- BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.
- <sup>2</sup> HLG allows the display of up to 300 cd/m<sup>2</sup> with a peak brightness of 1000 cd/m<sup>2</sup>.

# 1.9

OSD Adjustment – Color Mode: HLG\_BT.2100 (PQ / HLG Clipping: OFF) (HDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items  $(1) \sim (2)$  (Signal) and  $(3) \sim (7)$  (Color)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)					
	YUV422				
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited		
	3	Color Mode	HLG_BT.2100		
	4	Brightness	300 cd/m <sup>2</sup>		
	5	Gamma (EOTF)	HLG		
	6	PQ / HLG Clipping	OFF <sup>4</sup>		
	$\bigcirc$	HLG System Gamma	1.0		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- 2. Set items (2) (Signal) and (3)  $\sim$  (7) (Color)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)					
	RGB444				
	2	Input Range	Full		
	3	Color Mode	HLG_BT.2100		
	4	Brightness	300 cd/m <sup>2</sup>		
	(5)	Gamma (EOTF)	HLG		
	6	PQ / HLG Clipping	OFF <sup>4</sup>		
	1	HLG System Gamma	1.0		

Signal Options				
Signal	(HDMI1)			
Input Color Format	[	Auto	]	
YUV Color Matrix	[	1	]]	
Input Range HDMI Settings		2	נו	
Signal Information 1920x1080 60.00 Hz Limited Range				
YCbCr4:2:2 1Obit -				

# Color Options

Color (HLG_BT.2100)				
Color Mode	[	3	]	
Brightness	[	4	נ	
Temperature	[	D65	ן	
Gamma (EOTF)	[	5	]	
PQ / HLG Clipping	[	6	]	
HLG System Gamma	[	$\overline{\mathcal{O}}$	[]	
Color Gamut	[	BT.2020	נ	
Advanced Settings				
Reset				



<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly. <sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.

ColorNavigator 7 Adjustment - Color Mode: BT.2020 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items  $(1) \sim (2)$
- 2. Open ColorNavigator 7 and right click color mode BT.2020, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select BT.2020
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) then click **OK**
- 5. Carry out **Calibration** for the target

olor mode: BT.2020					
	YUV	YUV422			
	1	Brightness	123 cd/m <sup>2</sup>		
	2	Black Level	Minimum		
	3	White Point	D65		
	4	Gamma (EOTF)	2.4		
	0	Priority	Standard		
	8	Gamut	BT.2020		
	9	Gamut Clipping	✓		
	1	YUV Color Matrix	BT.2020 <sup>1</sup>		
	2	Input Range	Limited (109% White)		

## When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode BT.2020, then select Edit target...
- 3. Under Color mode type V, select Advanced Mode and under Preset target, select BT.2020
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Color mode: BT.2020			
	RGE	3444	
	1	Brightness	100 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	2.4
	0	Priority	Standard
	8	Gamut	BT.2020
	9	Gamut Clipping	$\checkmark$
	2	Input Range	Full

2.1





Signal Options				
Signal	(HDMI1)			
Input Color Format	[	Auto	]	
YUV Color Matrix	[	1	]]	
Input Range	[	2	]]	
HDMI Settings				
Signal Information				
1920x1080 60.00 Hz				
Limited Range				
YCbCr4:2:2 10bit				
-				

<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

ColorNavigator 7 Adjustment - Color Mode: BT.709 (SDR)

# When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set items  $(1) \sim (2)$
- 2. Open ColorNavigator 7 and right click color mode BT.709, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select BT.709
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) then click **OK**
- 5. Carry out **Calibration** for the target

olor mode: BT.709				
	YUV	422		
	1	Brightness	123 cd/m <sup>2</sup>	
	2	Black Level	Minimum	
	3	White Point	D65	
	4	Gamma (EOTF)	2.4	
	0	Priority	Standard	
	8	Gamut	BT.709	
	9	Gamut Clipping	$\checkmark$	
	1	YUV Color Matrix	BT.709	
	2	Input Range	Limited (109% White)	

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode BT.709, then select Edit target...
- 3. Under Color mode type Marcel , select Advanced Mode and under Preset target, select BT.709
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Color mode: BT.709			
	RGE	3444	
	1	Brightness	100 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	2.4
	0	Priority	Standard
	8	Gamut	BT.709
	9	Gamut Clipping	✓
	2	Input Range	Full

ColorNavigator 7 Options

2.2





# Signal Options

Signal	(HDMI1)		
Input Color Format	[]	Auto	]
YUV Color Matrix	[	1	] ]
Input Range	[	2	]
HDMI Settings			
Signal Information			
1920x1080 60.00 Hz			
Limited Range			
YCbCr4:2:2 10bit			

ColorNavigator 7 Adjustment - Color Mode: DCI (SDR)

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode DCI, then select Edit Target...
- 3. Under Color mode type V, select Advanced Mode and under Preset target, select DCI
- 4. Set items (1)  $\sim$  (4) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

olor mode: DCI						
	RGB444					
	1	Brightness	48 cd/m <sup>2</sup>			
	2	Black Level	Minimum			
	3	White Point	D65			
	4	Gamma (EOTF)	2.6			
	$\bigcirc$	Priority	Standard			
	8	Gamut	DCI			
	9	Gamut Clipping	$\checkmark$			
	2	Input Range	Full			

2.3





# Signal Options

Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]
Input Range HDMI Settings		2	]
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -			

When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode **PQ\_DCI**, then select **Edit Target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_DCI
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

olor mode: PQ_DCI (PQ Clipping: 300 cd/m <sup>2</sup> )			
	RGB444		
	1	Brightness	300 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	PQ
	(5)	PQ Clipping	300 cd/m² <sup>3</sup>
	1	Priority	Standard
	8	Gamut	DCI
	9	Gamut Clipping	✓
	2	Input Range	Full

2.4

ColorNavigator 7 Adjustment – Color Mode: PQ\_DCI (PQ Clipping: 300 cd/m<sup>2</sup>) (HDR)

### ColorNavigator 7 Options





Signal	Options		
Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]]
Input Range HDMI Settings	[	2	] ז
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -			

<sup>3</sup> PQ Curve allows the display of up to 300 cd/m<sup>2</sup>. Areas on the screen which exceed this amount are clipped.

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode **PQ\_DCI**, then select **Edit Target...**
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_DCI
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

olor mode: PQ_DCI (PQ Clipping: 1000 cd/m <sup>2</sup> )			
RGB444			
	1	Brightness	300 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	PQ
	5	PQ Clipping	1000 cd/m² <sup>4</sup>
	0	Priority	Standard
	8	Gamut	DCI
	9	Gamut Clipping	✓
	2	Input Range	Full

2.5

ColorNavigator 7 Adjustment – Color Mode: PQ\_DCI (PQ Clipping: 1000 cd/m<sup>2</sup>) (HDR)

### ColorNavigator 7 Options





Signal	Options		
Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	נך
Input Range HDMI Settings	[	2	נ
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit			

<sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.

### When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items  $\bigcirc \sim \bigcirc$
- 2. Open ColorNavigator 7 and right click color mode PQ\_BT.2100, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ\_BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

Y	(UV (1)	422	
	1	Defailed a second	
		Brightness	300 cd/m <sup>2</sup>
(	2	Black Level	Minimum
(	3	White Point	D65
(	4	Gamma (EOTF)	PQ
(	5	PQ Clipping	300 cd/m² <sup>3</sup>
(	0	Priority	Standard
(	8	Gamut	BT.2020
(	9	Gamut Clipping	✓
(	1	YUV Color Matrix	BT.2020 <sup>1</sup>
(	2	Input Range	Limited

## When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode **BT.2100**, then select **Edit target...**
- 3. Under Color mode type Markov , select Advanced Mode and under Preset target, select BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m <sup>2</sup> )			
RGB444			
	1	Brightness	300 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	PQ
	5	PQ Clipping	300 cd/m <sup>2</sup> <sup>3</sup>
	$\bigcirc$	Priority	Standard
	8	Gamut	BT.2020
	9	Gamut Clipping	✓
	2	Input Range	Full

**2.6** C

# ColorNavigator 7 Adjustment – Color Mode: PQ\_BT.2100 (PQ Clipping: 300 cd/m<sup>2</sup>) (HDR)

## ColorNavigator 7 Options





Signal Options			
Signa	I (HDMI'	1)	
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]]
Input Range	[	2	]
HDMI Settings			
Signal Information			
1920x1080 60.00 Hz			
Limited Range			
YCbCr4:2:2 10bit			

BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

<sup>3</sup> PQ Curve allows the display of up to 300 cd/m<sup>2</sup>. Areas on the screen which exceed this amount are clipped.

### When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items  $(1) \sim (2)$
- 2. Open ColorNavigator 7 and right click color mode PQ BT.2100, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select PQ BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

olor mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m <sup>2</sup> )				
YUV422				
	1	Brightness	300 cd/m <sup>2</sup>	
	2	Black Level	Minimum	
	3	White Point	D65	
	4	Gamma (EOTF)	PQ	
	6	PQ Clipping	1000 cd/m <sup>2</sup> <sup>4</sup>	
	0	Priority	Standard	
	8	Gamut	BT.2020	
	9	Gamut Clipping	✓	
	1	YUV Color Matrix	BT.2020 <sup>1</sup>	
	2	Input Range	Limited	

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode BT.2100, then select Edit target...
- 3. Under Color mode type V, select Advanced Mode and under Preset target, select BT.2100
- 4. Set items (1)  $\sim$  (5) and (7)  $\sim$  (9) and click **OK**
- Carry out **Calibration** for the target 5.

Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m <sup>2</sup> )			
	RGB444		
	1	Brightness	300 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	PQ
	6	PQ Clipping	1000 cd/m <sup>2</sup> <sup>4</sup>
	0	Priority	Standard
	8	Gamut	BT.2020
	9	Gamut Clipping	✓
	2	Input Range	Full

2.7

ColorNavigator 7 Adjustment - Color Mode: PQ\_BT.2100 (PQ Clipping: 1000 cd/m<sup>2</sup>) (HDR)

### ColorNavigator 7 Options





Signal Options			
Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]]
Input Range HDMI Settings	[	2	נן
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -			
YCbCr4:2:2 10bit -			

BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

<sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.

When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items  $\bigcirc \sim \bigcirc$
- 2. Open ColorNavigator 7 and right click color mode HLG\_BT.2100, then select Edit Target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select HLG\_BT.2100
- 4. Set items (1)  $\sim$  (9) and click  ${\rm OK}$
- 5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)		
YUV422		
300 cd/m <sup>2</sup>		
Minimum		
D65		
HLG		
ON <sup>2</sup>		
1.2		
Fixed gamma		
BT.2020		
✓		
BT.2020 <sup>1</sup>		
Limited		

# When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
- 2. Open ColorNavigator 7 and right click color mode HLG\_BT.2100, then select Edit target...
- 3. Under Color mode type V , select Advanced Mode and under Preset target, select HLG\_BT.2100
- 4. Set items (1)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)				
	RGB444			
	1	Brightness	300 cd/m <sup>2</sup>	
	2	Black Level	Minimum	
	3	White Point	D65	
	4	Gamma (EOTF)	HLG	
	5	HLG Clipping	ON <sup>2</sup>	
	6	HLG System Gamma	1.2	
	0	Priority	Fixed gamma	
	8	Gamut	BT.2020	
	9	Gamut Clipping	$\checkmark$	
	2	Input Range	Full	

2.8

# ColorNavigator 7 Adjustment – Color Mode: HLG\_BT.2100 (HLG Clipping: ON) (HDR)

### ColorNavigator 7 Options





Signal Options

Signal	(HDMI1)		
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	]
Input Range HDMI Settings	[	2	]]
Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -			

<sup>1</sup> BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

<sup>2</sup> HLG allows the display of up to 300 cd/m<sup>2</sup> with a peak brightness of 1000 cd/m<sup>2</sup>.

When using YUV422:

- 1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items  $(1) \sim (2)$
- 2. Open ColorNavigator 7 and right click color mode HLG BT.2100, then select Edit Target ...
- 3. Under Color mode type . select Advanced Mode and under Preset target, select HLG BT.2100
- 4. Set items (1)  $\sim$  (9) and click **OK**
- 5. Carry out **Calibration** for the target

olor mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)			
	YUV422		
	1	Brightness	300 cd/m <sup>2</sup>
	2	Black Level	Minimum
	3	White Point	D65
	4	Gamma (EOTF)	HLG
	(5)	HLG Clipping	OFF <sup>4</sup>
	6	HLG System Gamma	1.0
	0	Priority	Fixed gamma
	8	Gamut	BT.2020
	9	Gamut Clipping	$\checkmark$
	1	YUV Color Matrix	BT.2020 <sup>1</sup>
	2	Input Range	Limited

## When using RGB444:

- 1. Open the OSD menu via the monitor's front buttons and access the Signal options, then set item (2)
- 2. Open ColorNavigator 7 and right click color mode HLG BT.2100, then select Edit target ....
- 3. Under Color mode type V, select Advanced Mode and under Preset target, select HLG\_BT.2100
- 4. Set items (1)  $\sim$  (9) and click **OK**
- Carry out **Calibration** for the target 5.

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)				
	RGB444			
	1	Brightness	300 cd/m <sup>2</sup>	
	2	Black Level	Minimum	
	3	White Point	D65	
	4	Gamma (EOTF)	HLG	
	5	HLG Clipping	OFF <sup>4</sup>	
	6	HLG System Gamma	1.0	
	0	Priority	Fixed gamma	
	8	Gamut	BT.2020	
	9	Gamut Clipping	✓	
	2	Input Range	Full	

2.9

ColorNavigator 7 Adjustment - Color Mode: HLG\_BT.2100 (HLG Clipping: OFF) (HDR)

### ColorNavigator 7 Options





Signal Options			
Signal (HDMI1)			
Input Color Format	[	Auto	]
YUV Color Matrix	[	1	ן נ
Input Range HDMI Settings Signal Information 1920x1080 60.00 Hz Limited Range YCbCr4:2:2 10bit -		2	

BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

<sup>4</sup> Scaling curve in which areas exceeding 300 cd/m<sup>2</sup> are clipped from 1000 cd/m<sup>2</sup>.