

# LCD Monitor Supported Video Formats

## ■ BT-LH2170/LH1850/LH910G Supported Input Formats

Input Signal Format	BT-LH2170					BT-LH1850					
	VIDEO	SDI 1 (3G-SDI)	SDI 2	HDMI	DVI		VIDEO	SDI 1 / SDI 2	HDMI	DVI-I	
					ANALOG YPrPb	DIGITAL VIDEO				ANALOG YPrPb	DIGITAL VIDEO
NTSC	✓						✓				
PAL	✓						✓				
640 x 480 (59.94 Hz)									✓		
640 x 480 (60 Hz)									✓		
480/59.94i	✓	✓	✓	✓	✓	✓	✓			✓	✓
480/59.94p			✓	✓	✓	✓			✓	✓	✓
576/50i	✓	✓	✓	✓	✓	✓	✓			✓	✓
576/50p			✓	✓	✓	✓			✓	✓	✓
720/50p	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
720/59.94p	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
720/60p	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
1035/59.94i	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1			✓*1	✓*1
1035/60i	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2			✓*2	✓*2
1080/23.98PsF	✓	✓									
1080/24PsF	✓	✓									
1080/25PsF	✓*3	✓*3			✓*3			✓*3			✓*3
1080/23.98p	✓	✓	✓	✓	✓	✓	✓				
1080/24p	✓	✓	✓	✓	✓	✓	✓				
1080/25p	✓	✓	✓	✓	✓	✓	✓				
1080/29.97p	✓	✓	✓	✓	✓	✓	✓				
1080/30p	✓	✓	✓	✓	✓	✓	✓				
1080/50i	✓	✓	✓	✓	✓	✓	✓				
1080/50p	✓		✓	✓		✓					
1080/59.94i	✓	✓	✓	✓	✓	✓	✓				
1080/60i	✓	✓	✓	✓	✓	✓	✓				
1080/59.94p	✓		✓	✓		✓					
1080/60p		✓		✓		✓					

Input Signal Format	BT-LH910G						
	VIDEO	VF-VIDEO	VF-YPrPb	YPrPb	SDI 1 (3G-SDI)	SDI2	HDMI
NTSC	✓	✓					
PAL	✓	✓					
640 x 480 (59.94 Hz)							✓
640 x 480 (60 Hz)							✓
480/59.94i		✓	✓	✓	✓		
480/59.94p		✓	✓	✓	✓	✓	✓
576/50i		✓	✓	✓	✓		
576/50p		✓	✓				✓
720/50p		✓	✓	✓	✓	✓	✓
720/59.94p		✓	✓	✓	✓	✓	✓
720/60p		✓	✓	✓	✓	✓	✓
1035/59.94i	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1	
1035/60i	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	
1080/23.98PsF	✓	✓	✓	✓	✓	✓	
1080/24PsF	✓	✓	✓	✓	✓	✓	
1080/25PsF	✓*3	✓*3	✓*3	✓*3	✓*3	✓*3	
1080/23.98p					✓	✓	✓
1080/24p					✓	✓	✓
1080/25p					✓	✓	✓
1080/29.97p					✓	✓	✓
1080/30p					✓	✓	✓
1080/50i		✓	✓	✓	✓	✓	✓
1080/50p					✓*4	✓*5	✓
1080/59.94i	✓	✓	✓	✓	✓	✓	✓
1080/60i		✓	✓	✓	✓	✓	✓
1080/59.94p					✓*4	✓*5	✓
1080/60p					✓*4	✓*5	✓

Input Signal Format	BT-LH2170		BT-LH1850
	HDMI*6	DVI-I	DVI-I
640 x 480 (60 Hz)	✓	✓	✓
800 x 600 (60 Hz)	✓	✓	✓
1024 x 768 (60 Hz)	✓	✓	✓
1280 x 768 (60 Hz)	✓	✓	✓
1280 x 1024 (60 Hz)	✓	✓	
1366 x 768 (60 Hz)			✓
1920 x 1080 (60 Hz)	✓	✓	

\*: Supported

\*1: When a 1035/59.94i signal is input, images are displayed in 1080/59.94i. In that case, the displayed markers are for 1080/59.94.

\*2: When 1035/60i signal is input, images are displayed in 1080/60i. In that case, the displayed markers are for 1080/60i.

\*3: 1080/25PsF input is displayed as 1080/50i.

\*4: 3G-SDI supports 1080/50p, 1080/59.94p, and 1080/60p of the SMPTE ST 425-A standard

\*5: RGB444 and YCbCr422 (12 bit) are not supported.

\*6: The PC signal (1920 x 1080) on HDMI will be displayed as 1080/60p video signal.

## ■ BT-LH2170 3G-SDI Supported Input Formats/ 3D Assist Mode Supported Input Formats

Input Terminal	Level	Format	Pixel Resolution	Bit	Interlace/ Progressive	Frequency	Input Signal Format/ Status Display	SDI 1/2 (SIMULTANEOUS)
SDI 1	A	1920 x 1080	4:2:2 (YCbCr)	10	Progressive	60 <sup>2</sup> , 50	720/50p	✓
			4:4:4 (RGB)	10	Interlace	60 <sup>2</sup> , 50	720/59.94p	✓
			4:4:4:4 (RGB+A)	10	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>	720/60p	✓
			4:4:4 (YCbCr)	10	Interlace	60 <sup>2</sup> , 50	1035/59.94i <sup>*3</sup>	✓
			4:4:4:4 (YCbCr+A)	10	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>	1035/60i <sup>*4</sup>	✓
			4:4:4 (RGB)	12	Interlace	60 <sup>2</sup> , 50	1080/23.98PsF	✓
			4:4:4 (YCbCr)	12	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>	1080/24PsF	✓
			4:2:2 (YCbCr)	12	Interlace	60 <sup>2</sup> , 50	1080/25PsF <sup>*5</sup>	✓
		1280 x 720	4:4:4 (RGB)	10	Progressive	60 <sup>2</sup> , 50	1080/23.98p	✓
			4:4:4:4 (RGB+A)	10	Progressive	60 <sup>2</sup> , 50	1080/24p	✓
	B-DL	1920 x 1080	4:4:4 (YCbCr)	10	Progressive	60 <sup>2</sup> , 50	1080/50i	✓
			4:4:4:4 (YCbCr+A)	10	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>	1080/59.94i	✓
			4:4:4 (RGB)	12	Interlace	60 <sup>2</sup> , 50	1080/60i	✓
			4:4:4 (YCbCr)	12	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>		
			4:4:4:4 (YCbCr+A)	10	Interlace	60 <sup>2</sup> , 50		
			4:4:4 (RGB)	12	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>		
			4:2:2 (YCbCr)	12	Interlace	60 <sup>2</sup> , 50		
			4:2:2 (YCbCr)	10	Progressive	30 <sup>2</sup> , 25, 24 <sup>*2</sup>		
	B-DS <sup>*1</sup>	2 x 1920 x 1080	4:2:2 (YCbCr)	10	Interlace	60 <sup>2</sup> , 50		
		2 x 1280 x 720	4:2:2 (YCbCr)	10	Progressive	60 <sup>2</sup> , 50		

✓: Supported

<sup>\*1</sup>: Only the data stream1 is displayed.<sup>\*2</sup>: It corresponds to frame frequency 1/1.001.<sup>\*3</sup>: When 1035/59.94 signal is input, status display shows as 1080/59.94.<sup>\*4</sup>: When 1035/60i signal is input, status display shows as 1080/60i.<sup>\*5</sup>: When 1080/25PsF signal is input, status display shows as 1080/50i.

## ■ BT-4LH310 4K (3840 x 2160 Resolution) Video Inputs

Color Space	YCbCr 4:2:2						YCbCr 4:4:4 / RGB 4:4:4			
	8 bit		10 bit		12 bit		8 bit		10 bit	
Max. Bit	24, 25, 30	50, 60	24, 25, 30	50, 60	24, 25, 30	50, 60	24, 25, 30	50, 60	24, 25, 30	50, 60
Frame Frequency (Hz)										
HDMI	✓ (1)	✓ (2)			✓ (1)	✓ (2)	✓ (1)	✓ (1)		
DisplayPort							✓ (1)	✓ (2)	✓ (1)	✓ (2)
3G-SDI	✓ (4/2 <sup>*1</sup> )	✓ (4)	✓ (4/2 <sup>*1</sup> )	✓ (4)	✓ (4)		✓ (4)		✓ (4)	

\*The numerical value in a parenthesis shows the number of the cables simultaneously connected to each terminal. \*1: The connection of two (3G Level B-DS) is possible.

## ■ BT-4LH310 4K (4096 x 2160 Resolution) Video Inputs

Color Space	YCbCr 4:2:2							
	8 bit		10 bit		12 bit			
Max. Bit	24	25	50, 60	24	25	50, 60	24	25
Frame Frequency (Hz)								
HDMI	✓ (1)		✓ (2)				✓ (1)	
DisplayPort	✓ (1)		✓ (2)	✓ (1)			✓ (2)	
3G-SDI	✓ (4/2 <sup>*1</sup> )	✓ (4/2 <sup>*1</sup> )	✓ (4)	✓ (4/2 <sup>*1</sup> )	✓ (4/2 <sup>*1</sup> )	✓ (4)	✓ (4)	✓ (4)

Color Space	YCbCr 4:4:4 / RGB 4:4:4							
	8 bit		10 bit		12 bit			
Max. Bit	24	25	50, 60	24	25	50, 60	24	25
Frame Frequency (Hz)								
HDMI	✓ (1)		✓ (2)					
DisplayPort	✓ (1)		✓ (2)	✓ (1)			✓ (2)	
3G-SDI	✓ (4)	✓ (4)	✓ (4)	✓ (4)	✓ (4)		✓ (4)	✓ (4)

\*The numerical value in a parenthesis shows the number of the cables simultaneously connected to each terminal. \*1: The connection of two (3G Level B-DS) is possible.