

# Supplemental A/V Support Specification

Version 1.2.0

**EH-LS12000B**

**EH-LS11000W**

**CH-LS12000B**

**CH-LS11000W**

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セイコーエプソン株式会社

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Supplemental A/V Support Specification (HDMI)

Signal Information				HDMI													
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB				
				4:2:0			4:2:2			4:4:4			RGB				
				8	10	12	8	10	12	8	10	12	8	10	12		
PC	640 x 480	59.94p	Single	-	-	-	-	-	-	-	-	-	-	-	✓	-	-
PC	800 x 600	60.32p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1024 x 768	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 800	59.81p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 960	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 1024	60.02p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1366 x 768	59.79p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1400 x 1050	59.98p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1440 x 900	59.89p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1600 x 900	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1600 x 1200	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1680 x 1050	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 1200	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2048 x 1536	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2560 x 1440	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2560 x 1600	59.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 720	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 810	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3240 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	720 x 480	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	720 x 576	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video *1	720 x 480	59.94i	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video *1	720 x 576	50i	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	23.98p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	24p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	29.97p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	30p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	50p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	59.94p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	60p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A
Video	1920 x 1080	50i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1920 x 1080	59.94i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1920 x 1080	60i	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1920 x 1080	100p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	119.88p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	120p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	50p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	2560 x 1080	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	2560 x 1080	100p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	119.88p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	120p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	3840 x 2160	23.98p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	24p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	25p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	29.97p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	30p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	50p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	59.94p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	3840 x 2160	60p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	4096 x 2160	23.98p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	4096 x 2160	24p	Single	-	-	-	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	4096 x 2160	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	29.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	50p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	4096 x 2160	59.94p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B
Video	4096 x 2160	60p	Single	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B	✓*B	✓	✓*B

Signal Information				HDMI											
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB		
				4:2:0			4:2:2			4:4:4					
				8	10	12	8	10	12	8	10	12	8	10	12
Video	3840 x 2160	100p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–
Video	3840 x 2160	119.88p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–
Video	3840 x 2160	120p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–
Video	4096 x 2160	100p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–
Video	4096 x 2160	119.88p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–
Video	4096 x 2160	120p	Single	✓	✓*A	–	✓	✓*A	✓*A	✓	–	–	✓	–	–

■ Common notes

- Formats with a checkmark "✓" in 10 bit and 12 bit support "Deep Color".  
10bit、12bitに✓が入っているフォーマットは、ディープカラーに対応しています。

■ Notes (\*1, 2, 3...)

- \*1 Pixel repeat: H active is 720 (1440).

■ HDR Support Information (\*A, B, C...)

	HDR Supported	Color Space	Standard
*A	HDR10, HLG	BT.2020	BT.2100
*B	HDR10, HLG, HDR10+	BT.2020	BT.2100

## Supplemental A/V Support Specification (eARC/ARC)

Output Audio Format		eARC	ARC
LPCM	2~8ch(Max 192kHz/24bit)	✓	✓*1
Dolby	Dolby Digital(AC-3)	✓	✓
	Dolby Digital Plus	✓	-
	Dolby TrueHD	✓	-
	Dolby Atmos	✓	-
DTS	DTS	✓	✓
	DTS-HD High Resolution Audio	✓	-
	DTS-HD Master Audio	✓	-
	DTS:X	✓	-
AAC		✓	✓

### ■ Common notes

- ・ You can output (pass-through) HDMI audio signals with eARC/ARC when using an HDMI cable (with Ethernet).  
The audio format is determined by the specifications of the connected AV system or external speakers such as a sound bar.

HDMIの音声信号は、イーサネット対応のHDMIケーブルを使用して、eARC/ARCでパススルー可能です。

音声フォーマットは、接続されるアンプやサウンドバーなどの外部スピーカーの仕様で決定されます。

### ■ Notes (\*1, 2, 3...)

- \*1 Supports up to 2 ch/48 kHz for ARC.

ARCは、2ch/48kHzまでのサポートとなります。

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