

Comparison to previous models

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	HW20	HW15
Panel	New 3 x SXRD (1080 x 1920)	3 x SXRD (1080 x 1920)
Contrast	Dynamic 80,000:1	60,000:1 (w/ Iris)
Brightness	1,300lm	1,000lm
Picture mode	→	Optimized 3 modes
Advanced Iris	→	Ver. 3
Gamma Correction	→	7modes
Fan noise	→	22 dB
CEC	→	Yes (Add pass through*, BRAVIA Sync*)
Remote commander	→	RM-PJW70(WW except for J) RM-PJHW15(J)

*Same as VW80(70)

High contrast

New!

- Thanks to New SXRD Panel and improve optical engine, optical filter unit and Compensator
- Sony original SXRD Panel
 - High Contrast Ratio
 - Fast Response Speed : 2.5ms.
 - Smooth dot-less picture: 0.2 μ m pixel spacing

The VPL-HW20 adopts Sony's original "Silicon X-tal Reflective Display (SXRD)" panel which features Full HD resolution, good contrast ratio, fast response speed, and film-like reproduction.



SXRD
Silicon X-tal Reflective Display

Full HD
1080

New!

Difference from picture quality depend on CSC range

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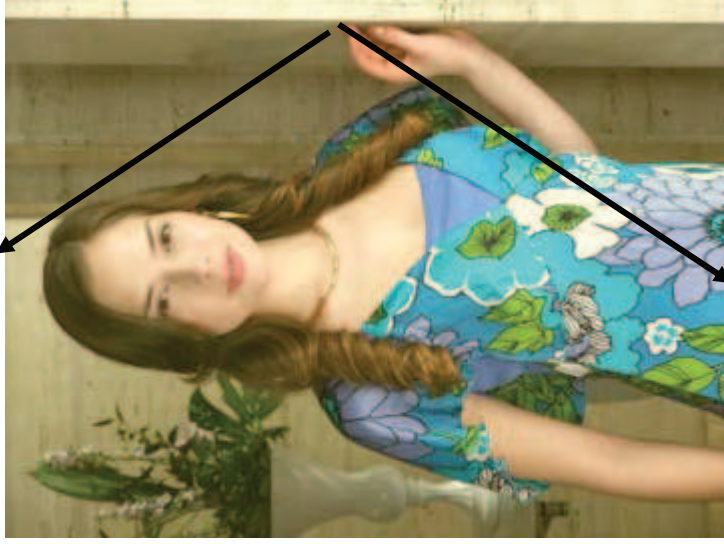
-HW20 realize high brightness with wide color space

HW20



NTSC比 90% (>sRGB)

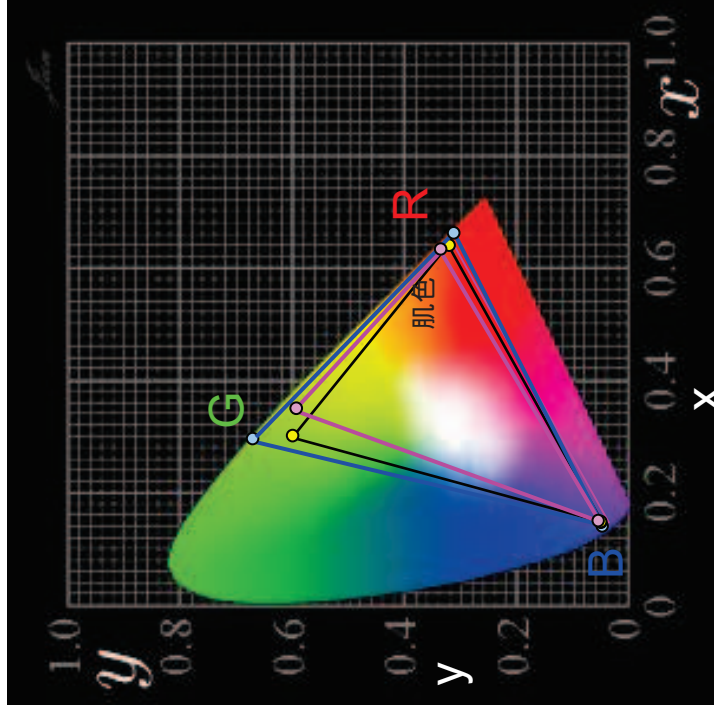
Competitor



NTSC比 75% (<sRGB)

【Color Space Conversion】

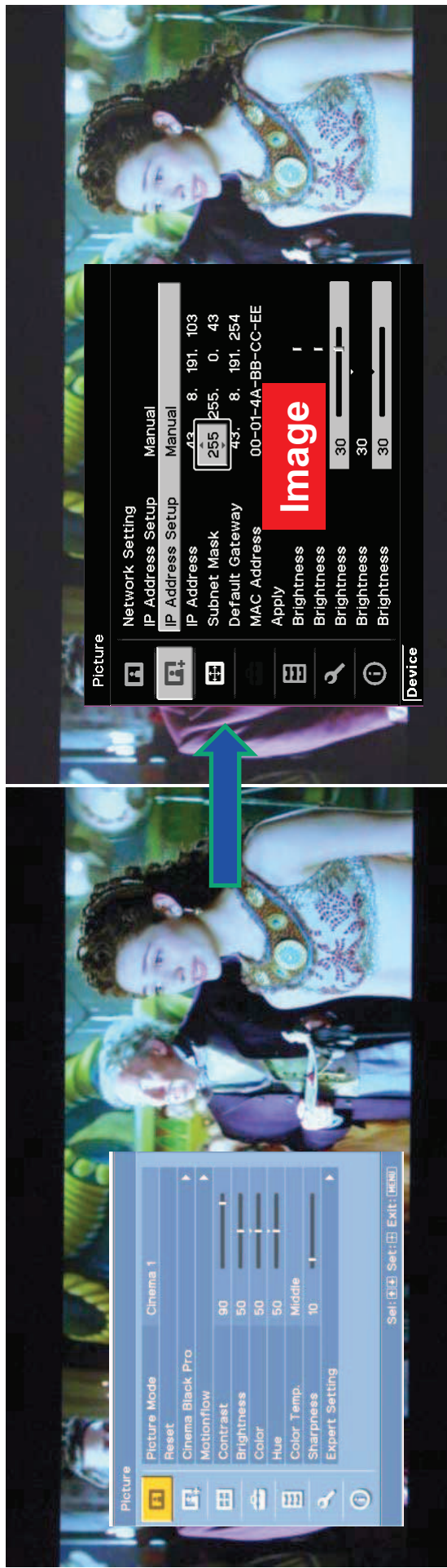
- HW20 Wide(Max)
- HW20 Normal (sRGB)
- Competitor ()



Change of OSD design

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HW20 change OSD design from blue basic tone to black basic tone.
Because current OSD has distinct design when you tune black level of image seeing screen.



Sales points



Optimized picture mode (same as HW15)

- **Cinema mode : = For the movie**
 - Optimized the cinema mode matching for living room
 - You can see the movie with full of contrast
- **Standard mode : = For TV and Video contents**
 - Adjust the TV and Live contents with controlling gamma and white balance.
- **Dynamic mode : = For matching brighter room**
 - Brightest mode in three modes.
 - *If you display at the brightly store, we recommend you to use this mode.

Advanced Iris3 (same as HW15)

- Improved black level with keeping Peak brightness to optimize both Iris control volume and Auto Contrast Enhancer
- Auto Contrast Enhancer automatically synchronize with scan of the movie

Iris2

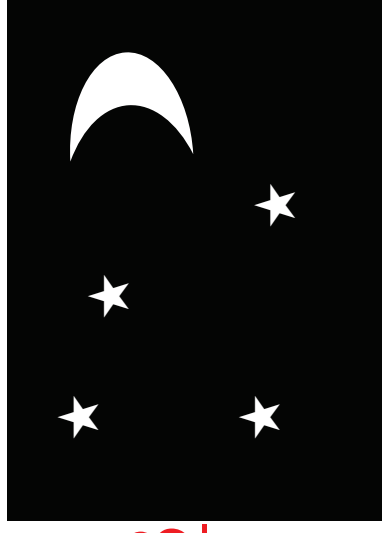
Black level is Good
Peak Brightness is lost



IRIS = OFF

New Iris3

Black level is Good
Keep Peak Brightness

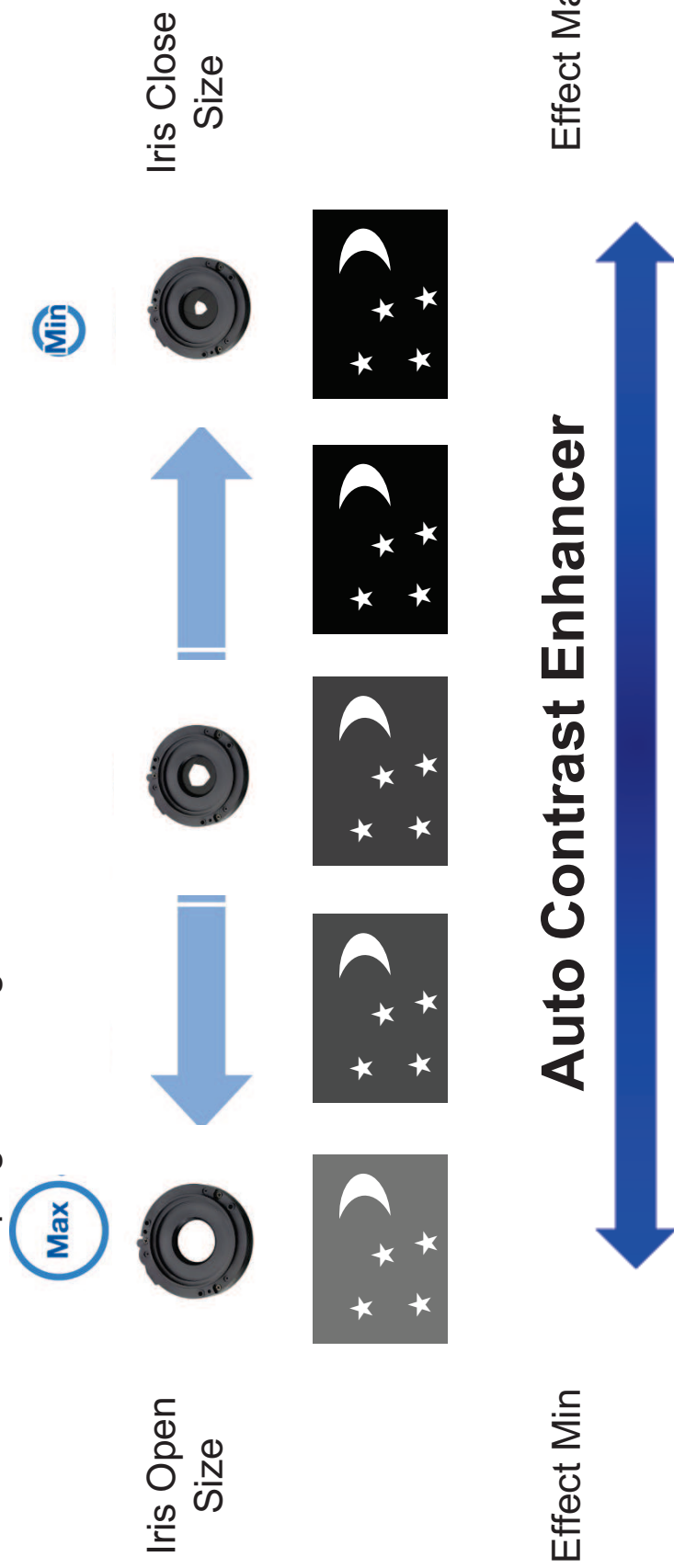


Advanced Iris3 (same as HW15)

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- **Superb Contrast Ratio with Advanced Iris 3**

- Provides best contrast ratio in accordance with a scene to improve Black level with keeping Peak brightness.



User benefit

Customer can watch movie with ultimate contrast, together with expanded dynamic range.

Gamma Correction Mode (same as HW15)

- Adjusts the response characteristics of the tone of the picture.

- Select a favorite tone from 7 options.

Gamma 1 : Bright Produces, a brighter picture overall.

Gamma 2 : Slightly Bright Produces, a brighter picture overall.

Off : Slightly Dark Produces, a brighter picture overall.

Gamma 3 : Dark Produces, a darker picture overall.

Gamma 4 : Produces a picture with contrast emphasized slightly. This option is ideal for the Cinema picture mode.

Gamma 5 : Produces a picture with contrast emphasized more than with Gamma 4. This option is ideal for the Dynamic picture mode.

Gamma 6 : Expands gradation expression in dark area.