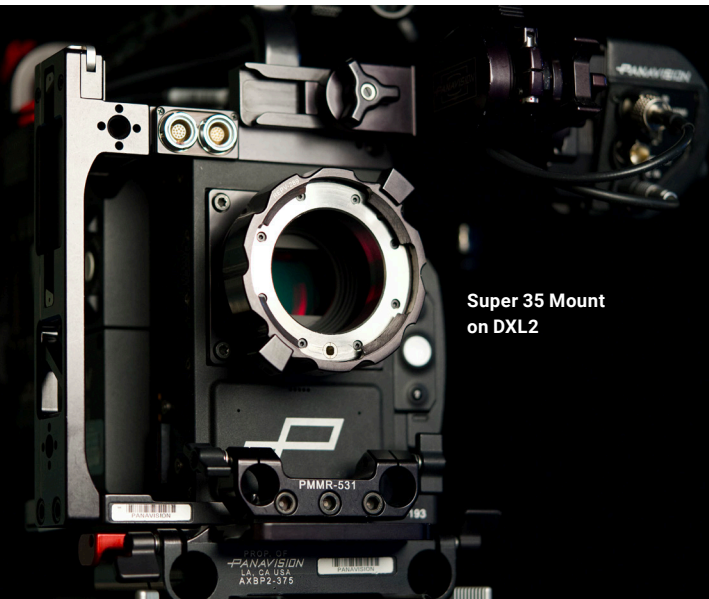


Shooting Super 35 on DXL2



Super 35 Mount on DXL2

Use Format Creatively.

DXL2 can be set to capture at 5K resolution, which windows the 8K VistaVision-sized sensor down to a Super 35 gate and allows you to use the camera with any 35mm-format lenses in Panavision's inventory.

When capturing Super 35 with DXL2, you still have the advantages of the sensor's 16 stops of dynamic range, 16-bit color, and 1600 native ISO while increasing the camera's maximum frame rate capability from 60 to 96 fps. Super 35 on DXL2 also boasts more than 150% of UHD resolution, allowing you to meet or exceed distribution platforms' resolution requirements even when using an extraction for flexibility in post.



10 lbs
Feather Light



386 GB/hr
5K 5:1 Raw



Red Code Raw
ProRes
DNxHR



MODULAR
Endless Configurations



16 bit
Precision Color



16 stops
Dynamic Range



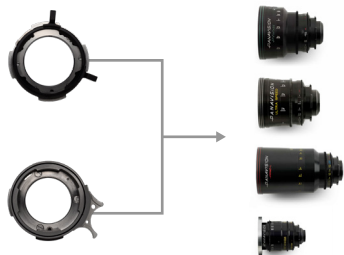
1600 ISO
Native



96 fps
Max Frame Rate

Lens Mount Options

DXL2's stock SP70 mount can be easily adapted in the field to PV35 or PL mount, enabling the creative use of Large Format and Super 35 on the same production with a single camera. For projects that are only using 35mm-format optics, a native PV35 or PL mount can be used for a more streamlined build.

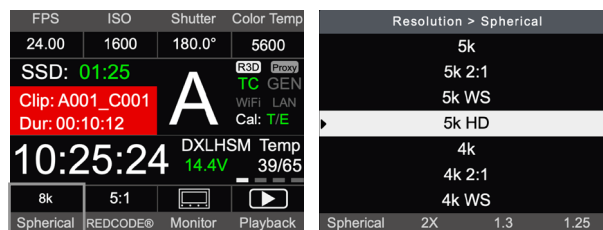


PVINTAGE
SUPER SPEED
ULTRA SPEED
PRIMO
AND MORE...

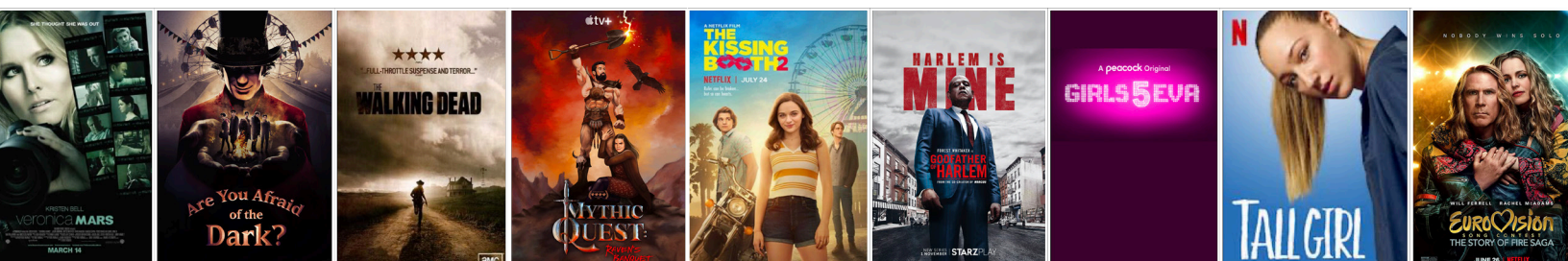
How to Set DXL2 for Super 35

Under Menu > Project Settings > Resolution > Spherical, select 5K HD. You can also jump directly to the Resolution setting by clicking the bottom-left quick button on the home page (see below).

Visit dxlmenu.com for the full menu simulator.



DXL2 Super 35 Credits



Lens Coverage and Data Rate Comparison

Super 35 lenses were designed for an image circle of 31.1mm. The chart below compares sensor-mode sizes of the three most popular camera systems – DXL2, Venice, and Alexa – to that of the super 35 image circle. As demonstrated, Alexa LF and Mini LF require Large Format lenses even in UHD Mode. In order to use the more democratized Super 35 lens format, DXL2, Venice, Alexa SXT, or Alexa Mini must be used – and of those cameras, only DXL2 and Venice meet the 4K requirement of many studios. Furthermore, performing an extraction with Venice or Alexa LF while protecting for a 3.8K deliverable requires a significant jump to the next largest capture area, resulting in a steep increase in data rate. DXL2 provides enough resolution at its 5K sensor crop to perform a 5-percent extraction and still match Venice’s 3.8K frame size, all while consuming less data than Venice or the Alexa range and continuing to exceed 4K resolution requirements.

Super 35 Image Circle



CAMERA COMPARE	SENSOR MODES	SENSOR W x H	RESOLUTION (EFFECTIVE PIXELS)	CODEC	SIMULTANEOUS PROXIES	GB/HOUR @ 24 FPS
DXL2	5K HD	24.00 x 13.50mm	4800 x 2700	R3D RAW 5:1	DNx or ProRes	386
Sony Venice	3.8K 16:9	22.80 x 12.83mm	3840 x 2160	X-OCN XT	N/A	407
ALEXA LF & LF Mini	UHD 16:9	31.68 x 17.82mm	3840 x 2160	ARRIRAW	N/A	1091.7
ALEXA LF & LF Mini	UHD 16:9	31.68 x 17.82mm	3840 x 2160	ProRes 4444	N/A	548.9
ALEXA SXT & Mini	2.8K 16:9	23.76 x 13.37mm	2880 x 1620	ARRIRAW	N/A	604.1

Meets OTT 4K Requirements at Super 35