VISUAL DISPLAYS

VDL Supernova True ALR Projection Screens

5/2024

VISUAL DISPLAYS

VDL TrueALR Projection Screens

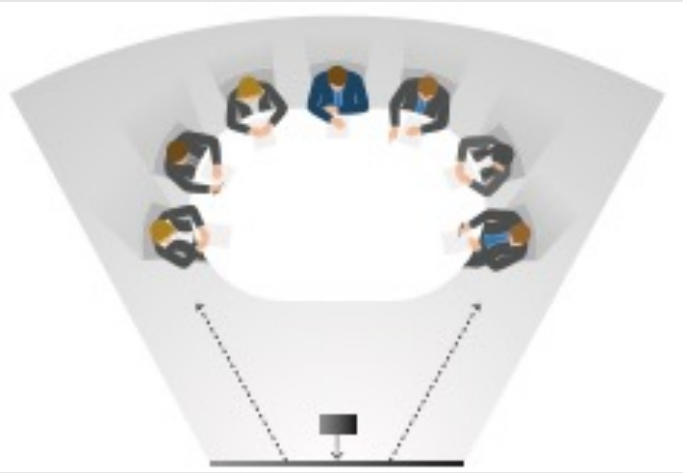
Product	Lens Type - Direct Throw (DT) or Ultra Short Throw (UST)	Aspect Ratio/ Size	Features
VDL Novalux UST	UST	21:9 - 113” 21:9 - 150” 16:9 - 110” 16:9 - 120”	TrueALR optical screen quality and performance at a highly competitive price point. The economical choice for TrueALR UST, with slightly reduced contrast and viewing angles than VDL Supernova UST
VDL Supernova UST	UST	21:9 - 113” 16:9 - 110” 16:9 - 120”	Exceptional quality UST TrueALR optical screen, much bigger screen than flat panel, huge cost savings compared to flat panel and dvLED
VDL Supernova PopUp UST	UST	16:9 - 118”	Freestanding, portable, easy set-up for demo or convert any room to a hybrid meeting room
VDL Supernova DropDown UST	UST	16:9 - 118”	Wall, ceiling or in-ceiling mounted electric dropdown
VDL Supernova DropDown Direct Throw	DT	16:9 - 118”	Wall, ceiling or in-ceiling mounted electric dropdown
VDL Supernova Core	DT	21:9 - 113” 16:9 - 110” 16:9 - 120”	Economical choice, high quality, fixed frame, easy assembly
VDL Supernova One	DT	16:9 - 100” 16:9 - 110” 16:9 - 120”	Exceptional quality, fixed frame, pre-assembled, fire-retardant aluboard
VDL Supernova Blade	DT	16:9 - 110” 16:9 - 120”	Exceptional quality, frameless, ultra-slim for space saving installations, fire-retardant aluboard. Wall-mount or suspend from ceiling for floating effect - space saving, ideal for retail, museums
VDL Supernova Infinity	DT	-	Modular system, virtually seamless, up to any size

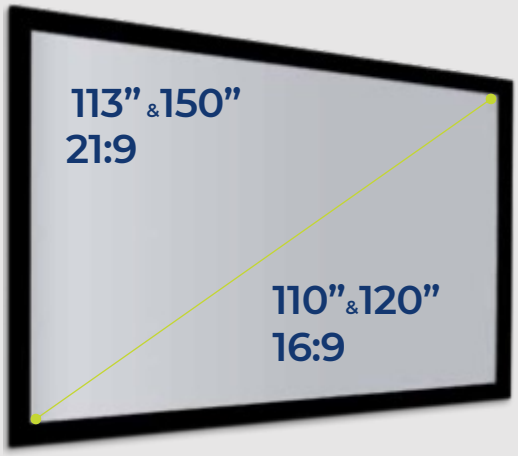
Optical Lens Technology
TrueALR UST

VISUAL DISPLAYS

VDL Novalux UST

The VDL Novalux Ultra Short Throw screen delivers exceptional TrueALR UST quality and performance at a highly competitive price point.





The VDL Novalux UST is an economical choice that delivers on size, offering a larger viewing area compared to standard flat panels at a fraction of the cost.

While it provides a more focused viewing angle and ALR rate than the premium VDL Supernova range, it maintains a balance between performance and budget, ensuring you meet DISCAS standards for image size effectively and economically.

VDL Novalux offers superb value with no compromise on performance as it is still a true optical ALR technology, unlike other low-cost 'ALR' options on the market.

And, of course, with a VDL Novalux UST screen you still get the same level of Visual Displays expertise, advice and support as with our premium range!

- ✓ Exceptional viewing even in well-lit environments.
- ✓ High performance ambient light-rejecting technology for high-contrast, detailed images and comfortable viewing, even in well-lit environments.
- ✓ Easy assembly using a novel tension system and extendable o-rings.
- ✓ 4K and 8K projector compatible.
- ✓ Significantly lower purchase and running cost than flat panel/dvLED.
- ✓ Space-efficient: short throw projection allows for installation in compact areas.
- ✓ Sustainable choice: laser projectors paired with this high-performance screen offer low running costs, no lamp changes, reducing total cost of ownership.

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Optical Lens TrueALR Laser UST

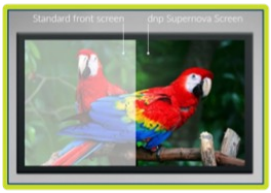
VDL Novalux UST

Selective Light Reflection: TrueALR screens are engineered to reflect the light from the projector back to the audience while absorbing ambient light from other sources. This selective reflection enhances the brightness of the projected image compared to the ambient light, thereby increasing contrast.

Surface Coating and Texture: The surface of a TrueALR screen has a special optical coating and texture that helps in selectively reflecting projector light. This coating is designed to target the light spectrum of the projector, enhancing the projection's visibility and contrast.

Directional Reflectivity: TrueALR screens have a surface that reflects light towards the viewing area. More of the projector's light reaches the audience's eyes, making the image appear brighter and **and higher contrasted relative to ambient light.**

Contrast Enhancement Technology: TrueALR screens actively enhance contrast by absorbing or blocking out ambient light, ensuring that only the projector's light is predominantly reflected. **While still a TrueALR screen technology, with slightly reduced contrast and viewing angles, Novalux is the best choice for those budgets which cannot afford VDL Supernova.**

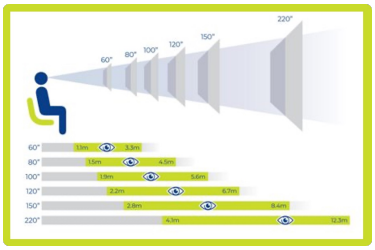


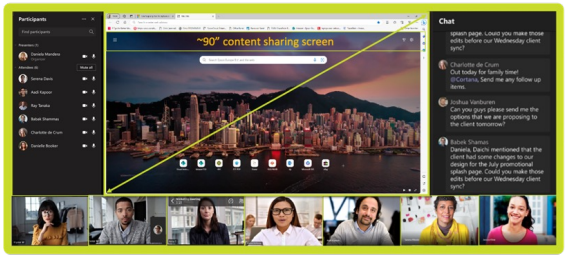
Improved Black Levels: By absorbing ambient light that would otherwise lighten the appearance of black or dark areas on the screen, TrueALR screens maintain deeper black levels. This ability to preserve black levels is crucial for maintaining high contrast ratios.

Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	UST	240 lux
Lens Type	All UST lens types	
Resolution compatibility	4K / 8K	

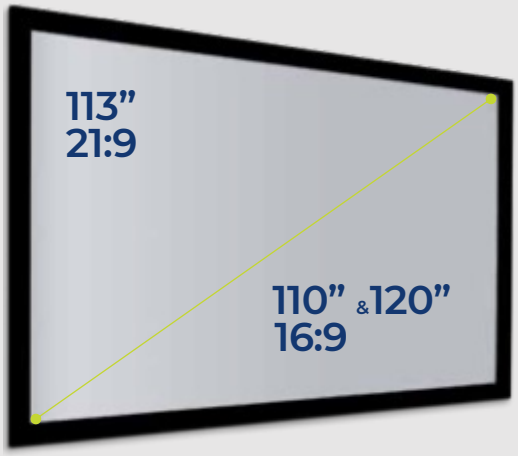
SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
NL1001609	16:9	100	2214	2228	1245	1259	150°	19	85%	0.6
NL1132109	21:9	113	2639	2653	1131	1145	150°	19	85%	0.6
NL1201609	16:9	120	2651	2670	1491	1508	150°	19	85%	0.6
NL1502109	21:9	150	3453	3467	1480	1494	150°	19	85%	0.8

Optical Lens Technology
TrueALR UST

VISUAL DISPLAYS

VDL Supernova UST

Large Ultra-Short-Throw screen featuring Supernova TrueALR optical material for deeper black levels and up to 7x contrast of a conventional UST screen. Exceptional image quality, even in brightly lit spaces.



The VDL Supernova UST is a TrueALR optical projection screen featuring advanced ambient light-rejecting technology for exceptional image quality on a large screen surface with the space-saving convenience of UST projection.

High-contrast, detailed images, even in well-lit environments.

Enhanced user experience - comfortable extended viewing without the eye strain associated with flat panels and dvLED.

With a 131% bigger screen size than a 105” Flat Panels you can easily meet DISCAS image size requirements, and at significantly lower cost than traditional flat panel and dvLED technology.

- ✓ Bright Light Performance: exceptional viewing even in well-lit environments.
- ✓ High Contrast: Up to 7x higher contrast with ambient light absorption.
- ✓ Easy Assembly Process: using tension system and extendable o-rings.
- ✓ Projectors: 4K and 8K projector compatible.
- ✓ Cost-Effective Large Displays: significant size/cost advantages over flat panel and dvLED.
- ✓ Space-Efficient: short projection distance allows for installation in compact areas.
- ✓ Unrivalled Contrast with its unique optical technology, it provides unmatched front projection image contrast.
- ✓ Sustainable Choice: UST Laser projectors paired with this screen offer low running costs, no lamp changes, reducing total cost of ownership.

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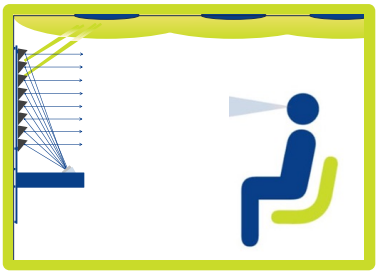
Optical Lens TrueALR Laser UST

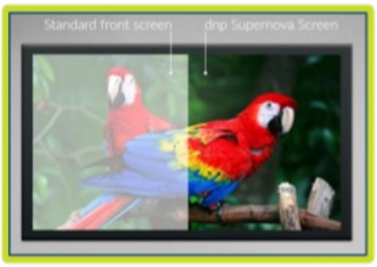
VDL Supernova UST

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true. This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

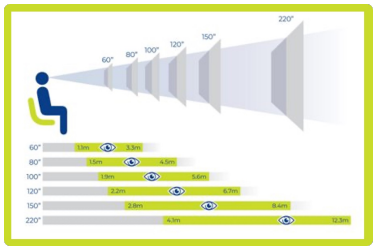


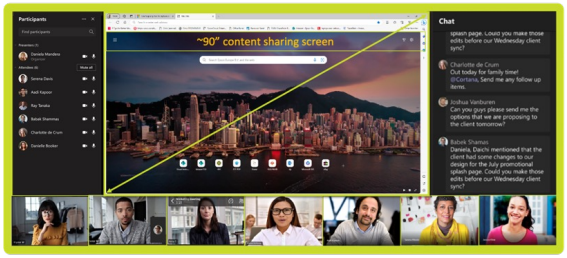


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
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Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	UST	320 lux
Lens Type	All UST lens types	
Resolution compatibility	4K / 8K	

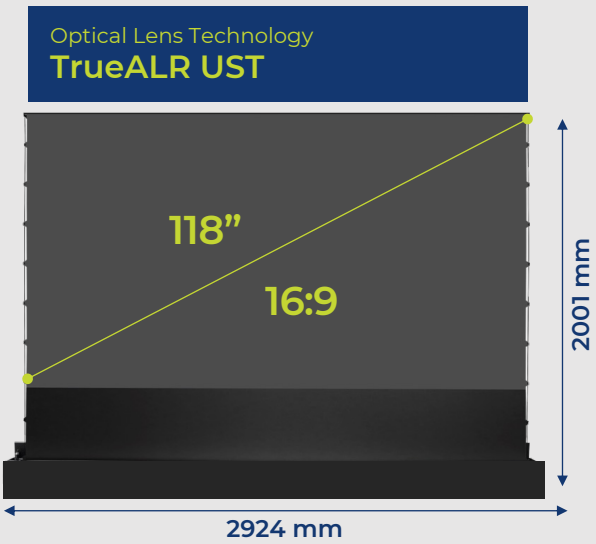
SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
SN1001609	16:9	100	2214	2228	1245	1259	170°	21	95%	0.5
SN1132109	21:9	113	2639	2653	1131	1145	170°	21	95%	0.5
SN1201609	16:9	120	2651	2665	1491	1505	170°	21	95%	0.5
SN1502109	21:9	150	3463	3469	1484	1490	170°	21	95%	0.5

With you all the way

VISUAL DISPLAYS

VDL Supernova PopUP↑ UST

A freestanding screen for environments where wall mounting is not an option. Portable and with instant set up, this superior quality PopUP screen has wireless remote functionality for total convenience. Ideal for an on-the-go demo or convert any room to a Hybrid Meeting Room. Deeper black levels and up to 7x contrast of a conventional screen for exceptional viewing, even in brightly lit spaces.



Cutting-edge UST screen with dual pneumatic axis backing, ensuring perfect vertical lift to create an impeccably stable viewing experience. Advanced side tensioning system guarantees a smooth, unwrinkled screen surface and crystal-clear visuals every time.

Wireless remote for effortless, one-touch operation.

Elegant design and aesthetic, maintaining a sleek, uninterrupted look.

The discreetly integrated controller ensures a tidy appearance, free from the clutter of visible wires.

No projector mount required, projector can sit on floor or table.

Easy setup, offering a plug-and-play solution straight out of the box.

- ✓ Freestanding Design: no installation needed.
- ✓ Dual Pneumatic Axis Structure: ensures stable, vertical movement.
- ✓ Side Tensioning System: maintains a flat, wrinkle-free screen for superior image clarity.
- ✓ Wireless Remote Control: simplifies operation - one-button lifting and lowering.
- ✓ Hidden Controller: keeps the setup neat with no visible wires.
- ✓ Plug-and-Play Setup: ready to use right out of the box.
- ✓ TrueALR UST advanced ambient light-rejecting technology for high-contrast, detailed images and comfortable viewing, even in well-lit environments.

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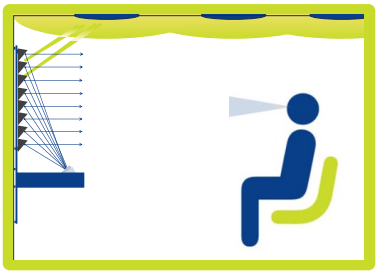
Optical Lens TrueALR Laser UST

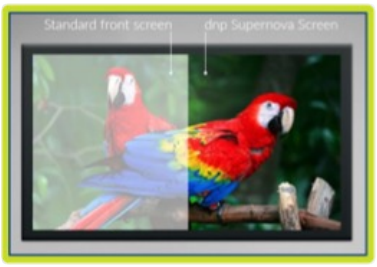
VDL Supernova PopUP↑ UST

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true. This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

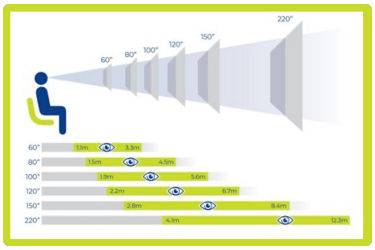


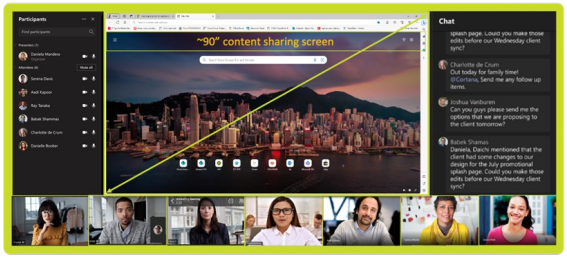


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





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Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 118" 16:9 image	UST	320 lux
Lens Type	All UST lens types	
Resolution compatibility	4K / 8K	
USB Wireless Trigger Control	Y	
RF remote control working distance	30 metres	
IR remote control working distance	8 metres	

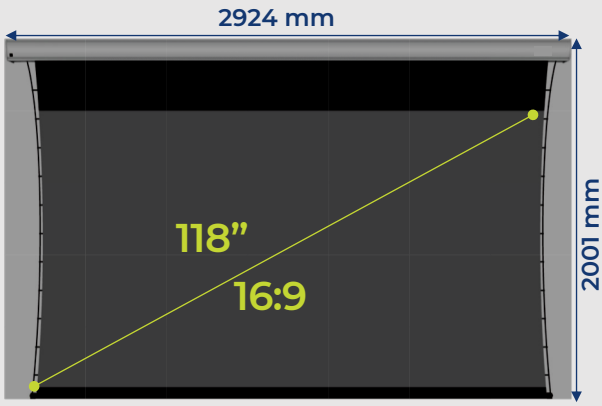
SKU	Aspect Ratio	Diagonal Inch (Approx)	Viewing		Black Drop mm			Viewing Angles		ALR rate	Gain
			Width	Height	Height	L	R	Horizontal	Vertical		
SNPU1181609	16:9	118	2612	1469	400	30	30	170°	21	95%	0.35

Now you see me...

VISUAL DISPLAYS

VDL Supernova DropDown↓ UST

The VDL Supernova DropDown – wall, ceiling or in-ceiling electric dropdown screen with a difference - deeper black levels and up to 7x contrast of a conventional screen for exceptional viewing, even in brightly lit spaces.



Optical Lens Technology
TrueALR UST

An electric dropdown UST screen featuring Supernova TrueALR optical material for exceptional image quality, in brightly lit environments.

Advanced ambient light-rejecting screen for deeper black levels and up to 7x higher contrast than a conventional screen.

This electric screen seamlessly blends into any environment with its white casing and refined aesthetic and offers the flexibility of wall or ceiling mounting and noiseless operation.

Enhanced user experience - comfortable extended viewing without the eye strain associated with flat panels and dvLED.

- ✓ Choose: wall mounted, ceiling mounted or in-ceiling.
- ✓ Remote Operability: noiseless motor paired with an IR remote for smooth screen retraction.
- ✓ Control Your Way: standard 3-button in-line switch with optional remote and 12V trigger.
- ✓ TrueALR UST advanced ambient light-rejecting technology for high-contrast, detailed images and comfortable viewing, even in well-lit environments.
- ✓ Tab-tensioned Brilliance: optical microstructure delivers 8K-ready high contrast and sharpness, perfect for any light setting.
- ✓ Harmonious Aesthetics: classic retractable design with a dark grey drop, blending seamlessly into diverse interiors.

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Optical Lens TrueALR Laser UST

VDL Supernova DropDown UST

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
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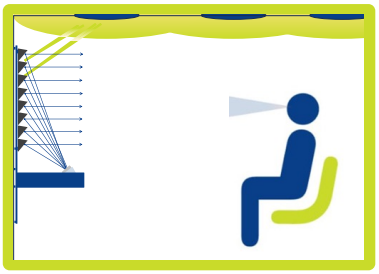

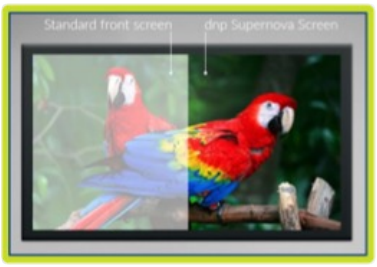

Viewing Angles - Gain – Colour Uniformity – High Contrast

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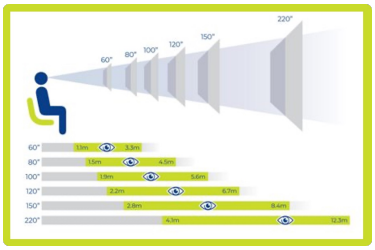
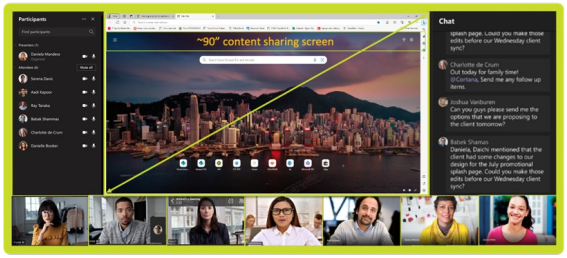
DISCAS Standard for Screen Size:





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Tech Spec

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Lens Type	All UST lens types	
Resolution compatibility	4K / 8K	
USB Wireless Trigger Control	Y	
RF remote control working distance	30 metres	
IR remote control working distance	8 metres	

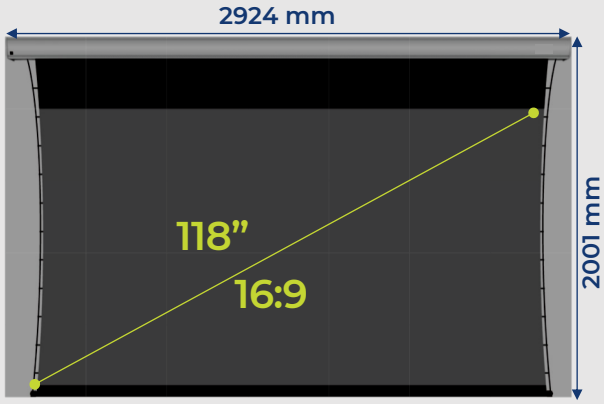
SKU	Aspect Ratio	Diagonal Inch (Approx)	Viewing		Black Drop mm			Viewing Angles		ALR rate	Gain
			Width	Height	Width	L	R	Horizontal	Vertical		
SNDD1181609	16:9	118	2612	1469	400	31	31	170°	21	95%	0.35

Now you see me...

VISUAL DISPLAYS

VDL Supernova DropDown↓ Direct-Throw

The VDL Supernova DropDown – wall, ceiling or in-ceiling electric dropdown screen with a difference - deeper black levels and up to 7x contrast of a conventional screen for exceptional viewing, even in brightly lit spaces.



Optical Lens Technology

TrueALR Direct Throw

An electric dropdown direct-throw screen featuring Supernova TrueALR optical material for exceptional image quality, in brightly lit environments.

Advanced ambient light-rejecting screen for deeper black levels and up to 7x higher contrast than a conventional screen.

This electric screen seamlessly blends into any environment with its white casing and refined aesthetic and offers the flexibility of wall or ceiling mounting and noiseless operation.

Enhanced user experience - comfortable extended viewing without the eye strain associated with flat panels and dvLED.

- ✓ Elegant Integration: solid casing, unobtrusive design.
- ✓ For direct throw (standard) lenses.
- ✓ Remote Operability: noiseless motor paired with an IR remote for smooth screen retraction.
- ✓ Control: standard 3-button in-line switch with optional remote and 12V trigger.
- ✓ TrueALR advanced ambient light-rejecting technology for high-contrast, detailed images and comfortable viewing, even in well-lit environments.
- ✓ Tab-tensioned brilliance: optical microstructure delivers 8K-ready high contrast and sharpness, perfect for any light setting.
- ✓ Harmonious Aesthetics: classic retractable design with a dark grey drop, blending seamlessly into diverse interiors.

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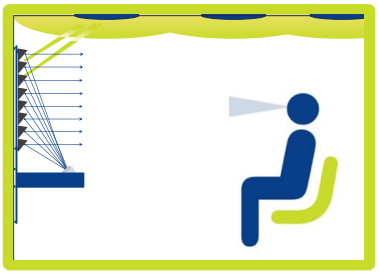
Optical Lens TrueALR DropDown Direct Throw

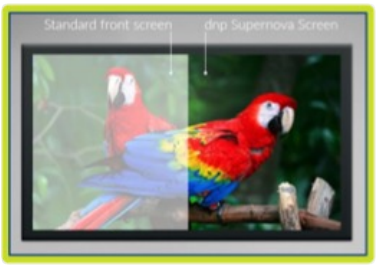
VDL Supernova DropDown Direct Throw

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

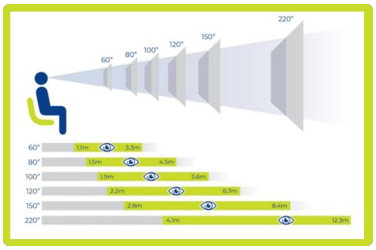


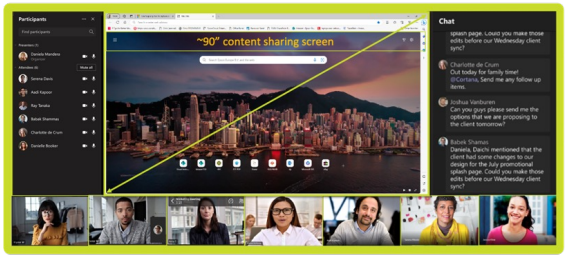


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 118" 16:9 image	08-85 Std lens	510 lux
Lens Type	Standard lens >1.5:1 throw ratio	
Resolution compatibility	4K / 8K	
USB Wireless Trigger Control	Y	
RF remote control working distance	30 metres	
IR remote control working distance	8 metres	

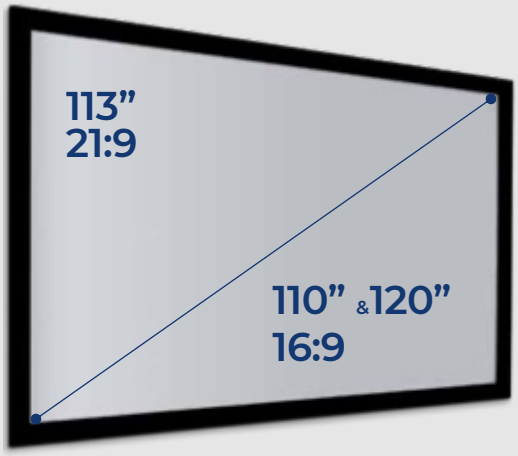
SKU	Aspect Ratio	Diagonal Inch (Approx)	Viewing		Black Drop			Viewing Angles		ALR rate	Gain
			Width	Height	Width	L	R	Horizontal	Vertical		
SNFC1181609	16:9	118	2612	1469	400	30	30	170°	24	90%	0.8

TrueALR Fixed Frame (economical choice) – Direct Throw

VISUAL DISPLAYS

VDL Supernova Core

Lower-cost fixed-frame screen featuring Supernova TrueALR optical screen surface with for deeper black levels and up to 7x contrast of a conventional projection screen for exceptional image quality, even in brightly lit spaces.



The VDL Supernova Core is a lower-cost direct throw TrueALR optical projection screen with a choice of sizes and frames, featuring an economical but elegant and smooth looking frame construction.

Featuring advanced ambient light-rejecting technology, image quality is exceptional, with up to 7x the contrast of conventional screens, even in bright conditions.

The Supernova Core gives you a large, high-quality screen without a large investment. The screen is easily assembled, using a new tension system with extendable o-rings, following the detailed Installation guide that comes with the screen.

Wall-mounted and compatible with all standard projectors.

- ✓ Cost-effective TrueALR optical technology
- ✓ Bright Light Performance: exceptional viewing even in well-lit environments.
- ✓ High Contrast: up to 7x higher contrast with ambient light absorption.
- ✓ Easy Assembly process: using a novel tension system and extendible o-rings.
- ✓ Large Screen Sizes: up to 120” in 16:9 and 110” in 16:10, with custom sizes available.
- ✓ For direct throw (standard) lenses
- ✓ Universal Compatibility: works with all standard projectors; 4K, 4K UHD and 8K projector compatible
- ✓ Safety First: features fire-retardant aluboard for peace of mind.

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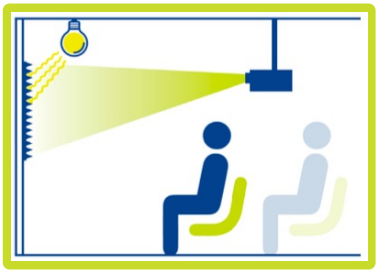
Optical Lens TrueALR Direct Throw

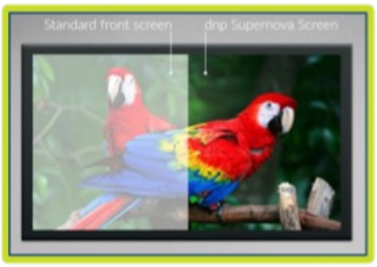
VDL Supernova Core

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

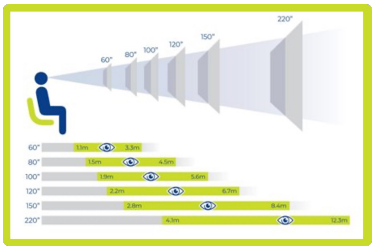


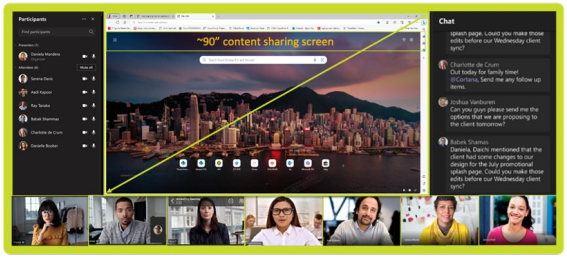


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	08-85 Std lens	510 lux
Lens Type	Standard lens >1.5:1 throw ratio	
Resolution compatibility	4K / 8K	

SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
SNC1001609	16:9	100	2214	2374	1245	1405	170°	24	90%	0.8
SNC1101609	16:9	110	2435	2595	1370	1530	170°	24	90%	0.8
SNC1201609	16:9	120	2651	2811	1491	1651	170°	24	90%	0.8

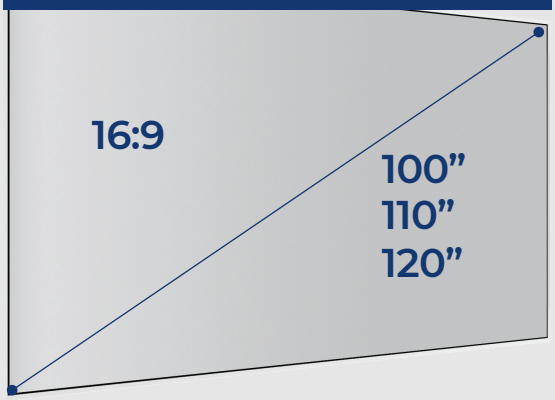
TrueALR Fixed Frame – Direct Throw

VISUAL DISPLAYS

VDL Supernova One

Large, fixed frame screen, with a choice of frame finishes. Featuring Supernova TrueALR optical projection technology with deeper black levels and up to 7x contrast of a conventional projection screen for exceptional image quality, even in brightly lit spaces. This screen is pre-assembled within a slender frame, ready to enhance any space.

Optical Lens Technology
TrueALR Solid Display



The VDL Supernova One is a large TrueALR optical projection screen with a choice of sizes and frames.

Featuring advanced ambient light-rejecting technology, image quality is truly exceptional, with up to 7x the contrast of conventional screens, even in bright conditions.

Enhanced user experience - comfortable extended viewing without the eye strain associated with flat panels and dvLED.

It is easy to install and can be hung from the wall or suspended from the ceiling.

- ✓ TrueALR optical screen: for brightly-lit environments.
- ✓ Up to 7x higher contrast than conventional screens.
- ✓ For direct throw (standard) lenses
- ✓ Pre-assembled: easy to install.
- ✓ Large Screen Sizes: up to 120” in 16:9.
- ✓ Choice of frame finishes
- ✓ Universal Compatibility: works with all standard projectors; 4K and 8K compatible
- ✓ Safety First: features fire-retardant aluboard for peace of mind.

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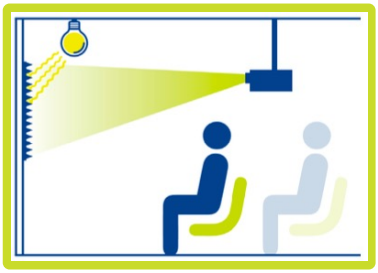
Optical Lens TrueALR Direct Throw

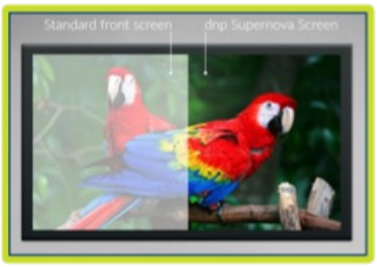
VDL Supernova One

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

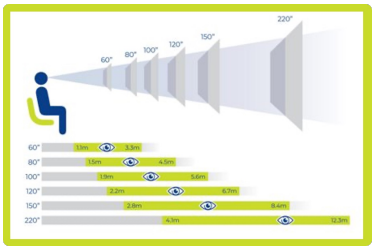


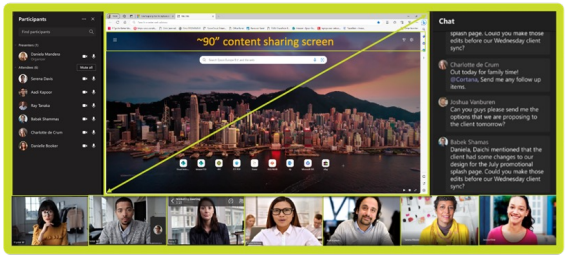


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	08-85 Std lens	510 lux
Lens Type	Standard lens >1.5:1 throw ratio	
Resolution compatibility	4K / 8K	

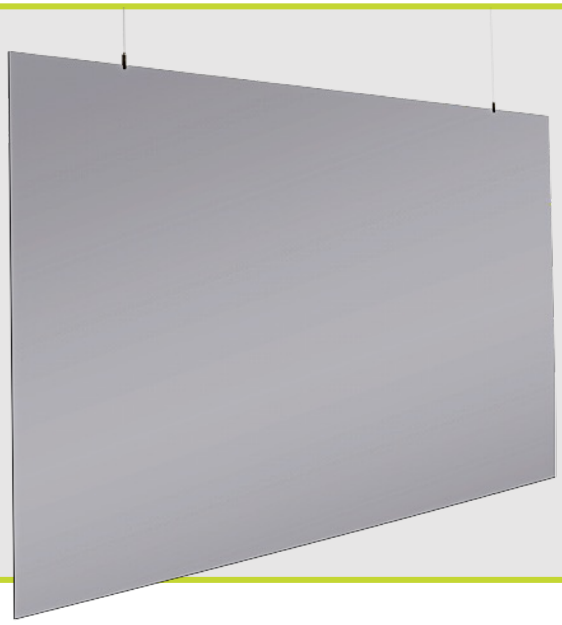
SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
SNO1001609	16:9	100	2214	2228	1245	1259	170°	24	90%	0.8
SNO1101609	16:9	110	2435	2449	1370	1384	170°	24	90%	0.8
SNO1201609	16:9	120	2651	2665	1491	1505	170°	24	90%	0.8

Cutting Edge and Razor Sharp – Direct Throw

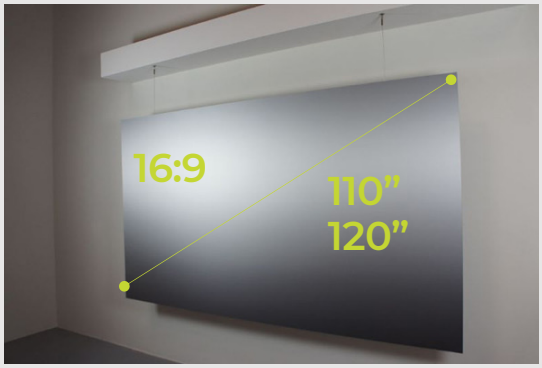
VISUAL DISPLAYS

VDL Supernova Blade

Large, frameless screen featuring Supernova TrueALR optical projection technology for deeper black levels and up to 7x contrast of a conventional projection screen for exceptional image quality, even in brightly lit spaces. Ultra-slim, wide screen for maximum image size while reducing the space requirement of the overall installation.



Optical Lens Technology
TrueALR Solid Display



The VDL Supernova Blade is an ultra-slim, frameless TrueALR optical projection screen with a choice of sizes, designed to complement modern interiors perfectly.

Featuring advanced ambient light-rejecting technology, image quality is truly exceptional, with up to 7x the contrast of conventional screens, even in bright conditions.

Enhanced user experience - comfortable extended viewing without the eye strain associated with flat panels and dvLED.

Can be wall-mounted or suspended from the ceiling for a floating effect - ideal for retail settings where every square metre counts.

- ✓ Space-Saving Design: frameless and ultra-thin (3.5mm)
- ✓ High Contrast: up to 7x higher contrast ALR technology
- ✓ Flawless images even in brightly lit spaces
- ✓ Flexible Installation: wall or ceiling mountable
- ✓ Pre-assembled ready for installation
- ✓ For direct throw (standard) lenses
- ✓ Up to 120” in 16:9 and 110” in 16:10, with custom sizes available
- ✓ Works with all standard projectors; 4K and 8K compatible
- ✓ Safety First: features fire-retardant aluboard for peace of mind

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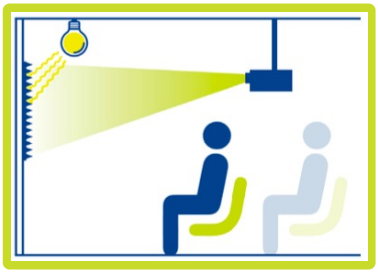
Optical Lens TrueALR Direct Throw

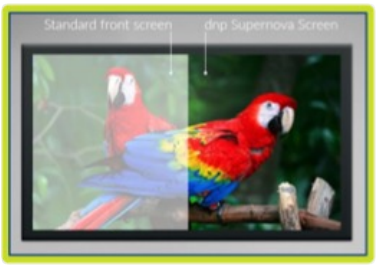
VDL Supernova Blade

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
This capability is essential for preserving high contrast ratios and delivering an unbeatable viewing experience.

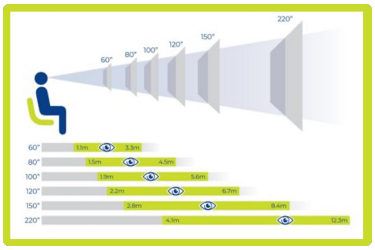


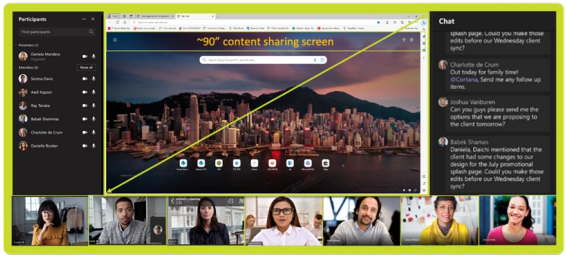


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	08-85 Std lens	510 lux
Lens Type	Standard lens >1.5:1 throw ratio	
Resolution compatibility	4K / 8K	

SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
SNB1001609	16:9	100	2214	2214	1245	1245	170°	24	90%	0.8
SNB1101609	16:9	110	2435	2435	1370	1370	170°	24	90%	0.8
SNB1201609	16:9	120	2651	2651	1491	1491	170°	24	90%	0.8

Seamless and modular in any size ∞

VISUAL DISPLAYS

VDL Supernova Infinity

High-performance, unlimited size – build the display you need with this modular system. Featuring VDL Supernova TrueALR optical projection technology for deeper black levels and up to 7x contrast of a conventional projection screen for exceptional image quality, even in brightly lit spaces. Superior quality and super cost-effective alternative to dvLED.

The VDL Supernova Infinity is a modular screen system featuring Supernova's advanced ambient light-rejecting TrueALR optical screen technology for exceptional image quality at a fraction of the purchase costs, running costs and environmental impact of dvLED.

Unlike traditional dvLED, VDL Supernova Infinity has near-zero pixellation, comfortable brightness for extended viewing without eye-strain and better image/colour uniformity (no darkened panels), giving better image appearance at the same pixel density no matter the image size.

High-contrast, perfect images and virtually seamless viewing, at any size, even in brightly lit conditions, the possibilities are infinite!

- ✓ Bright Light Performance: exceptional viewing even in well-lit environments.
- ✓ For direct throw (standard) lenses
- ✓ Modular design allows for custom sizes, tailored to any space.
- ✓ Superior cost and performance advantage over dvLED screens, without sacrificing scale.
- ✓ Seamless assembly creates a continuous visual experience, free from interruptions.
- ✓ Versatile for a range of applications, from corporate to educational settings.
- ✓ High Contrast: up to 7x higher contrast with ambient light absorption.
- ✓ Sustainable Choice: laser projectors paired with this screen offer low running costs, no lamp changes, reducing total cost of ownership.

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Optical Lens TrueALR Direct Throw

VDL Supernova Infinity

Contrast Enhancement Technology: VDL Supernova TrueALR screens feature an active high-contrast filter to selectively reflect the light from the projector back to the audience, while absorbing ambient light from surrounding sources. The result is super-clear, vivid images with up to 7 times higher contrast than standard screens, even in brightly lit environments.

Surface Coating and Texture: The surface of a VDL Supernova TrueALR screen has a unique, specialised optical coating and texture designed to target the light spectrum of the projector so that content is presented with heightened visibility and contrast.

Improved Black Levels: One of the key features of VDL Supernova TrueALR screens is their ability to maintain superior black levels. By effectively absorbing ambient light that would otherwise diminish the richness of black or dark areas on the screen, VDL Supernova screens ensure that black levels remain deep and true.
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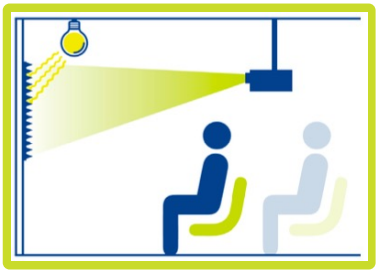
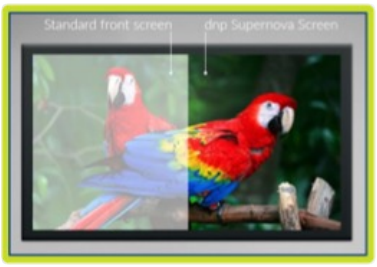
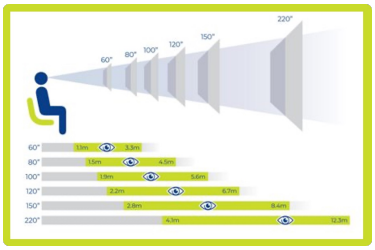


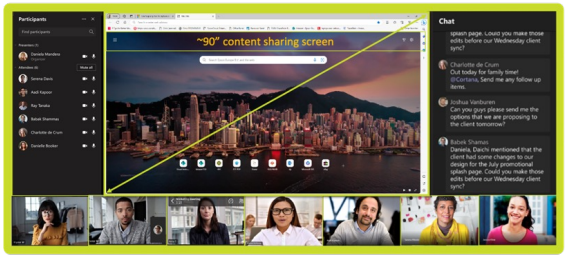


Viewing Angles - Gain – Colour Uniformity – High Contrast

High Gain or Low Gain? Whilst high gain screens enhance brightness, they often reduce viewing angles, causing image clarity to drop for off-centre viewers and creating inconsistent quality including: hotspots, (certain areas appear overly bright), colour shifts (affecting colour accuracy) and artifacts like sparkles due to highly reflective design. VDL Supernova TrueALR screens have lower gain while appearing brighter and perfectly balanced due to the optical lens contrast design.

DISCAS Standard for Screen Size:





Diagonal size		Height		Farthest Viewer
screen	image	inch	cm	
100%	60%			meter
150	90	44	112	6,72
120	72	35	90	5,38
98	59	29	75	4,48
85	51	25	64	3,81
60	36	18	45	2,68

The AVIXA DISCAS standard defines optimal image sizes for displays, based on viewer distance and content complexity, ensuring clarity and readability for all audiences. DISCAS applies to the main content window, not the screen diagonal.

Tech Spec

Maximum nominal ambient downlighting for ISCR standard compliance at 15:1 contrast ratio with 5000 projector lumens on 120" 16:9 image	08-85 Std lens	510 lux
Lens Type	Standard lens >1.5:1 throw ratio	
Resolution compatibility	4K / 8K	

SKU	Aspect Ratio	Diagonal Inch (Approx)	Width mm		Height mm		Viewing Angles		ALR rate	Gain
			Image	Total	Image	Total	Horizontal	Vertical		
SNI	Bespoke options available						170°	24	90%	0.8