About Vsion

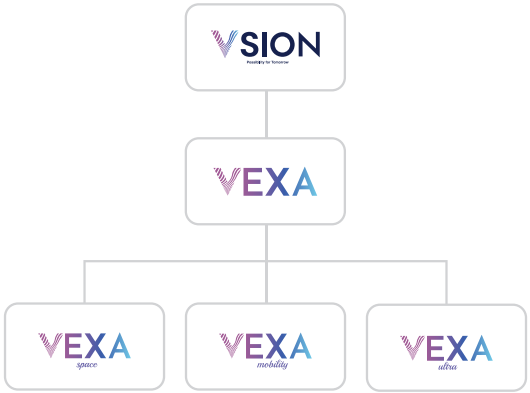
Vsion, Next-Generation PDLC Innovator

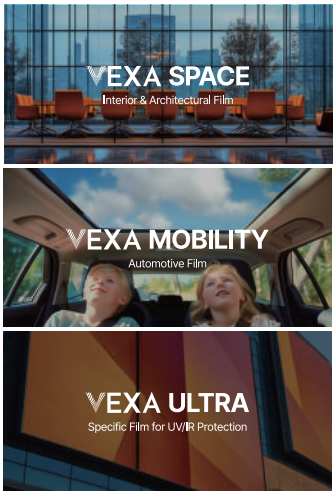
Founded in 2022, Vsion is a deep-tech startup specializing in smart window solutions powered by PDLC (Polymer Dispersed Liquid Crystal) technology. Our high-performance smart films can be applied to residential, commercial, and mobility glass. With a dedicated R&D team and in-house manufacturing, Vsion delivers complete solutions—from design and production to installation—ensuring top quality and tailored experiences for every space.

VEXA, Vsion's Advanced PDLC Brand

Smart film, Smarter Living

VEXA is Vsion's dedicated brand for next-generation PDLC products.
It embodies innovation in smart film technology —delivering superior clarity, privacy, energy efficiency, and design flexibility across architecture, mobility, and beyond.
As Vsion's flagship smart film line, VEXA redefines PDLC technology to enhance everyday spaces with smarter, more sustainable solutions.





Why Vsion Smart Film?

Key Performance Factors

- **Crystal Clarity (Haze)** Clearer views, brighter spaces
- **Privacy (Opacity)** Instant opaque mode for comfort & security
- **Light Control (Transmittance)** Over 85% daylight transmittance
- **Ultra-Fast Switching** 0.01s faster than a blink
- **UV/IR Blocking** Blocks 99.9% UV & 80% IR → cooler interiors & energy savings
- **Ultra-Slim Design (0.5mm)** Fits curved, frameless, and double-glazed glass
- **Durability** Performs in extreme conditions (-30°C to +90°C)

Benefits at a Glance

- Energy Savings: Up to 17–22% reduction in annual building energy use
- Carbon Reduction: Supports Zero-Energy Building (ZEB) standards
- Comfort: Reduces glare, maintains natural daylight, protects interiors
- Design: Seamless, modern aesthetic for buildings and vehicles
- Flexibility: Easy retrofit on existing glass or use in laminated panels

One Click 0.01 Seconds Curtain Walls Transformed

Eco-friendly Smart Beautiful.

Compare Chart Vsion VS Others(Japan, China)

Japan Film	China Film	Category	VEXA Space Vsion film
>83	>80	Total Transmittance On	**>83**
<4	4~5	Haze On	**<3.5**
>94	>95	Haze Off	**>98**
135 Degree	130 Degree	Viewing Angle	**140 Degree**
110V	60~110V	Driving Voltage	**48~110V**
5~6W/m2	7~8W/m2	Power Consumption	**Less than 5W/m2**
>97~98	>97	UV Block Rate	**>99.9**
40~60	40~60	IR Block Rate*)	**Max 94.2**
0.6	0.6	SHGC*)	**0.34**
40	40	Tser*)	**66**
2,000,000	1,000,000	Flicking Test	**Over 3,000,000 OK**
MAX 5 Years	2 Years	Durability	**Max 10 Years**
Free 3 year Guarantee	None	Warranty	**Free 3 years Guarantee**
Php 17,500	Php 11 ,500	SRP	**Php 17,500**

*In case of Outer window Grade(Vexa Ultra) | SHGC means Solar heat gain coefficiency. | Less property shows higher heat block. Tser means Total solar energy rejected. Higher property shows higher heat block. | Less Haze On shows more clarity.

FAQ

Q1. Where can it be used?

Architecture, mobility (automotive, rail, aviation), and even consumer electronics.

Q2. How long does it last?

Over 10 years under normal conditions, with strong resistance to heat and humidity.

Q3. What are the main benefits?

- Instant switching speed (≈0.01s)
- High clarity, durability, and efficiency
- 99.8% UV block, 80% IR reflection
- Energy savings up to 22%
- Works as a projection screen with beam projector

Q4. How does it support Zero-Energy Buildings(ZEB)?

By reducing heating/cooling loads, blocking solar heat gain, and improving indoor comfort, it helps achieve ZEB targets.

Q5. Can it be customized?

Yes. Optical performance and design can be tailored to project needs for enterprises.

Q6. Is installation and removal easy?

Yes. It attaches directly to existing glass and can be removed when required.

For more inquiry, please contact Vsion.

VSION
Possibility for Tomorrow

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