SKYLINE DESIGN **SDX3**™

Premium Film-Free Switchable Glass
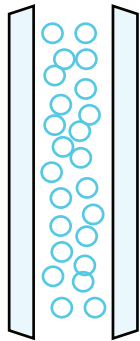

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HOW IT INSTANTLY TRANSFORMS SPACES

SDX3 SmartView employs a liquid crystal technology **applied directly to glass without the use of films**, differentiating it from any other smart glass product in the field. It offers a truly clear view in the transparent mode when activated/on while maintaining privacy while inactive/off.
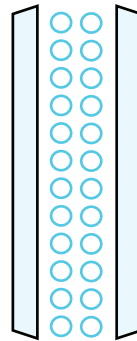
Privacy Mode

The liquid crystals are **randomly scattered**, allowing diffused light to pass through while fully obscuring the view.

Clear Mode

The liquid crystals are aligned **uniformly**, providing an unobstructed view like traditional glass from any angle.

OFF

ON

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A NEW TECHNOLOGY WITH EXTREME CLARITY

Along with its unique level of clarity, what sets SDX3 SmartView apart is its minimal energy consumption. A large pane of SDX3 glass utilizes less energy than a 25-watt lightbulb, with **no limitations on the duration it can remain in clear mode**.

This energy efficiency, coupled with acoustical privacy, security, and UV protection, positions SDX3 as a versatile solution adaptable to various applications, seamlessly integrating into existing automation systems.

Less energy usage than a 25-watt lightbulb
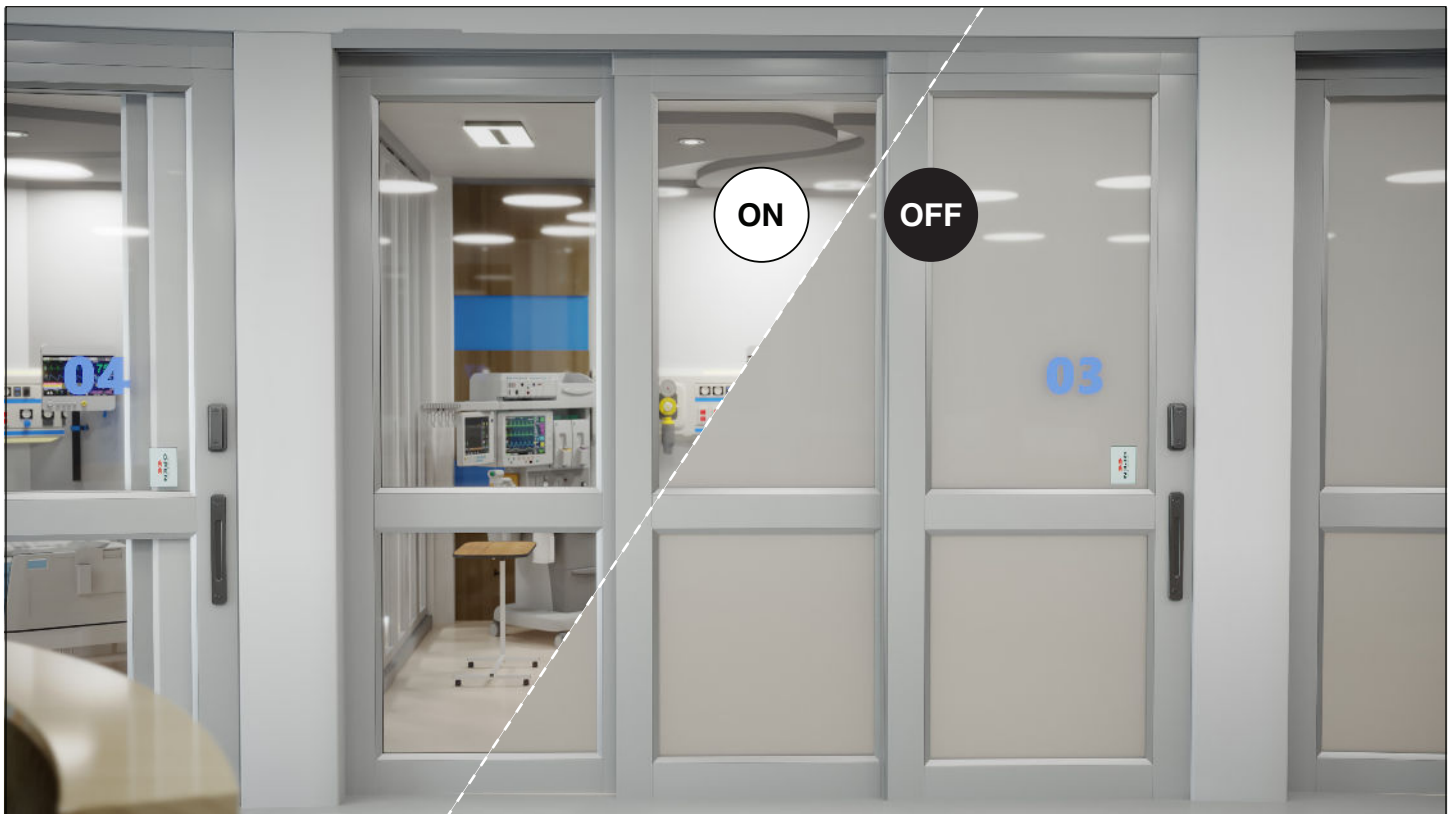
Class 3 low voltage

Acoustic Control up to STC 37 with higher STC ratings for insulated makeups

Can be on for 24 hours with no breaks

Liquid crystals are protected inside the laminated glass makeup, making the product pathogen-resistant and easily cleanable

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ON   OFF

SmartView™
Framing System for
SDX3™ Smart Glass

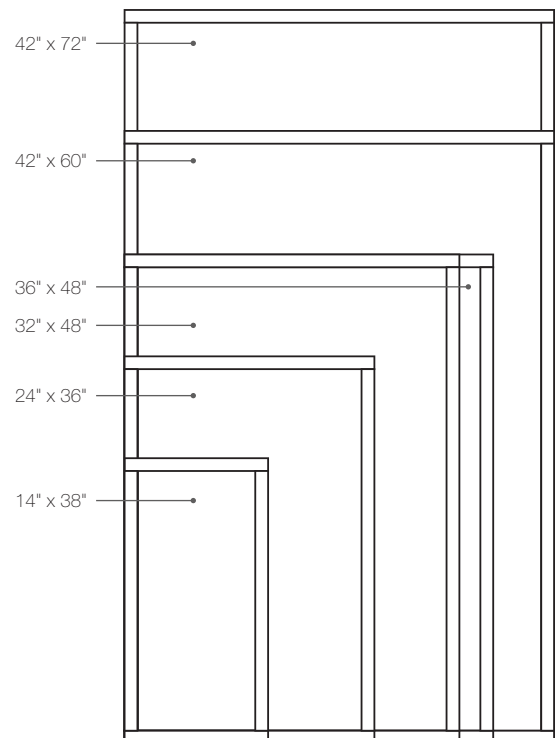SmartView is a framing system engineered specifically to house SDX3 smart glass viewing windows.

Mounting options available in both horizontal and vertical orientations, frames are available in six standard sizes with the added flexibility to build to your specifications.

Ideal in healthcare & workplace spaces

Can be installed vertically or horizontally

42" x 72"

42" x 60"

36" x 48"
32" x 48"

24" x 36"

14" x 38"

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ON-DEMAND PRIVACY GLASS SPECIFICATIONS

SDX3 SmartView provides instant privacy, ultra-reliable construction and unmatched clarity. Made in the Midwest, USA.

9.9 mm thick

Weight: 4.4 lbs/sqft

Max Size: 15 sqft max

Min Size: 1.8 sqft, 7" min

Max IG OAT: 1-5/8"

Min IG OAT: 3/4"

Sightline: 5/8"

11.5 mm thick

Weight: 5.2 lbs/sqft

Max Size: 59" x 96"

Min Size: 1.8 sqft, 7" min

Max IG OAT: 1-5/8"

Min IG OAT: 13/16"

Sightline: 5/8"

Performance Data

Appearance

Clear: Transparent
Private: Translucent White

Visible Haze

Clear State: Less than 3% at 90°
Less than 5% from all angles
Privacy State: Greater than 97%

Visible Light Transmittance

Clear State: 80% minimum
Private State: 65% minimum

UV Blocking

Greater than 99%

Switch Speed

Less than 100 ms

IGU Options

Double and triple IGUs

Power Consumption

Clear: <0.5 watts/sqft
Private: 0 watts/sqft

Acoustical Properties

STC 37 (11.5mm)
OITC 32 (11.5mm)

Shapes

Squares and rectangles

Glazing

Requires fully captured edge

LoĒ Coatings

Compatible with most climate zone specific coatings

Glass Compliance

Safety
ANSI Z97.1
CPSC 16 CFR 1201

Behavioral Health
ASTM F1233 Class 1.4 tested
AAMA 501.8 tested
Modified 20.0mm construction

Hurricane Impact
Passed TAS 201 & 203, DP50
Modified 12.4mm construction
ASTM E2190

Controller Performance Data

Power Input

24VDC UL power supply

Wiring

18 Gauge 2
Conductor class 3

Switch Options

Light switches
Google and Alexa
Smart switches / relays
Automation systems

Electrical Certifications

FC FCC certified
UL UL recognized
NEC class 3 power
Limited system

Controller Operating Temp

50°F - 104°F (10°C - 40°C)

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