Holopixel

*All images in this pdf are for illustrative purposes only.

Crystal Clear, Pixel Precision.

Holopixel Clarity Film

High Transparency

Feather-Light & Flexible

Energy Efficient & Durable

Smart Display System

Welcome to the future of visual storytelling from Holopixel. Engineered with precision and crafted for modern architecture, Holopixel transforms ordinary glass into a living digital canvas that blends seamlessly into any space. Reality has never looked this dynamic.

Holopixel's Clarity Film

Transforms any glass into a bright and crystal clear digital signage. It delivers you a powerful performance keeping every visual sharp and attention grabbing. Each installation turns plain surfaces into vibrant storytelling spaces that elevate your brand. Experience transparent technology that is modern, durable, and built to impress your customers and you.

Types of Film

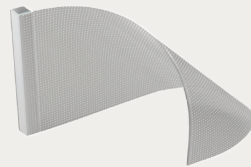Transform Transparent Glass, Refine Space Experience.
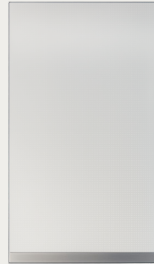
Clarity X

Crafted Clarity X for environments where visual precision defines the experience.

Clarity Y

Clarity Y strikes the ideal middle ground between fine detail, striking brightness and distance.

Clarity Z

Engineered for bold visual presence, Clarity Z brings large format displays to life with brightness and clarity.
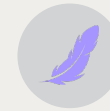
Core Features

Up to 95% Transparency
Allows natural light, almost invisible when turned off.

Ultra-Thin Design
Only 1.5 mm thick for seamless glass integration.

Featherlight Weight
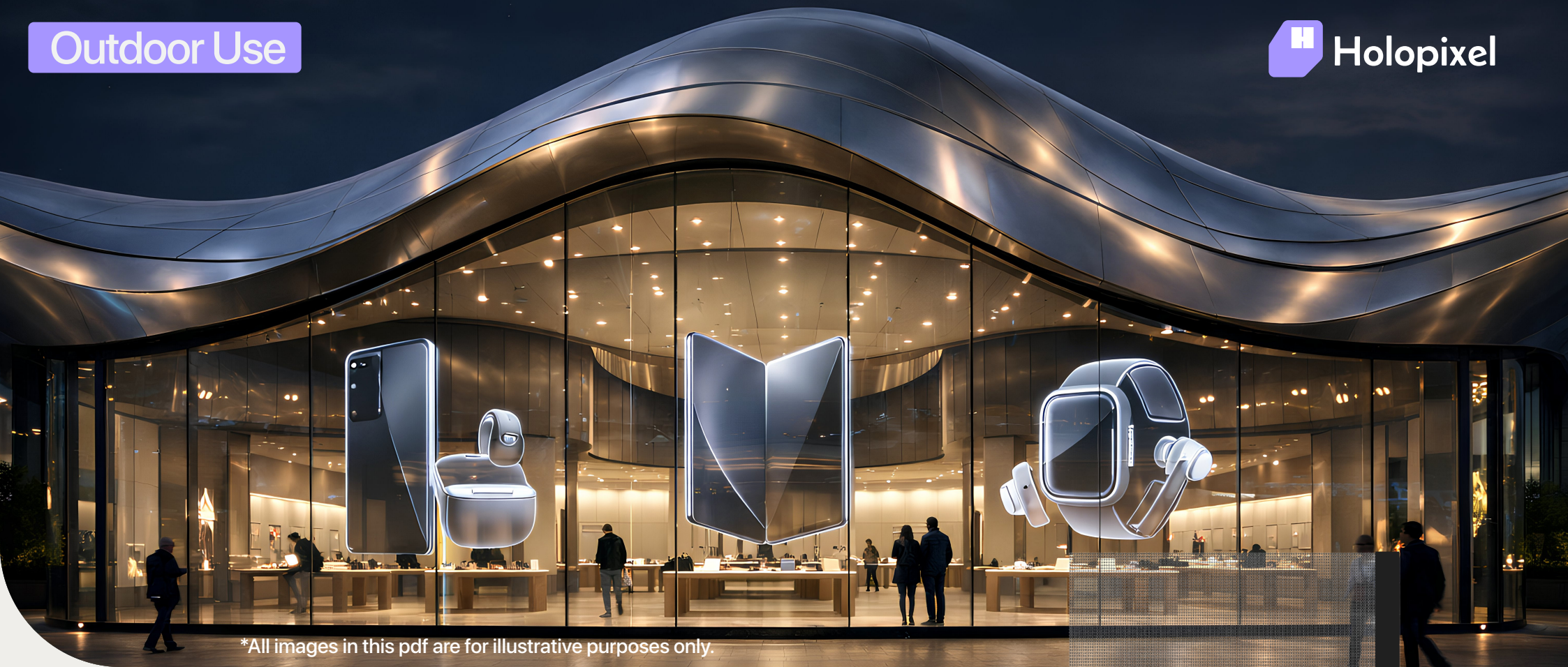Around 0.8 to 3 kg/m² for easy mounting.

Flexible & Customizable
Bends for curved surfaces, cut to size, seamless cropping.

High Brightness
Up to 3000 nits visible even in daylight.

Specifications	Clarity X	Clarity Y	Clarity Z
	Ultra-fine pixel precision for spaces where detail matters.	Balanced clarity & performance for a perfect blend of visibility and brightness.	High-impact visibility for large spaces designed for bigger façades and long distance viewing.
Pixel density	62500	27778	10000
LED light	HS1314RGB-IC	HS2121RGB-IC	HS2121RGB-IC
Module Size	240*960	240*960	240*960
Module Pixels	60*240	40*160	24*96
Weight	<3kg/m2	<3kg/m2	<3kg/m2
Brightness	1500	2500	3000
Transparency	87%	90%	93%
Optimal Line of Sight	≧4	≧6	≧10
Working Voltage	DC 5V	DC 5V	DC 5V
Input Voltage	AC110-240V	AC110-240V	AC110-240V
Average Power	200	200	200
Peak Power	600	600	600
Working Temperature	-20~+55	-20~+55	-20~+55
Working Humidity	10-65% RH	10-65% RH	10-65% RH
Typical Lifespan	100000H	100000H	100000H

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Crystal Clear, Pixel Precision.

Holopixel Lumi Film

Ultra High Transparency

Flexible & Bendable

Energy Efficient & Durable

Smart Display System

Introducing a new era of visual expression by Holopixel. Engineered with precision and built for outdoor environments, Holopixel brings Lumi Film technology to architectural glass at scale. Designed for façades, storefronts, and landmark structures, it transforms exterior glass into luminous, floating visuals that drives attention while preserving openness in light.
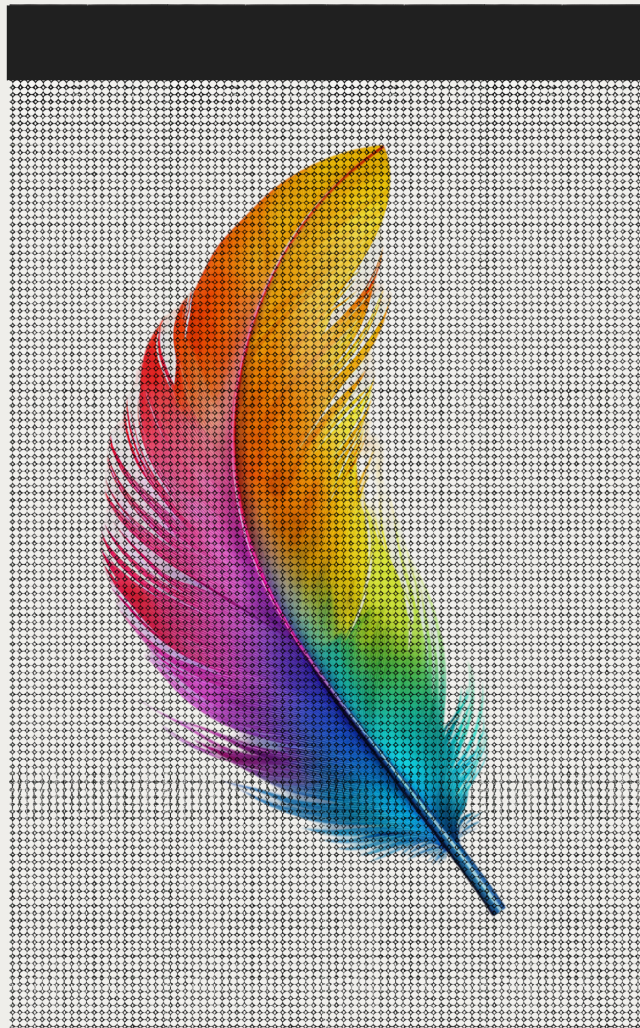
Holopixel's Lumi Film

Designed to elevate outdoor visual communication, the Lumi series delivers clarity, scale, and impact across every viewing distance from precision rich close range displays to balanced architectural storytelling and bold, large scale façade experiences ensuring consistent performance, transparency, and visual excellence from street level to skyline.

Types of Film

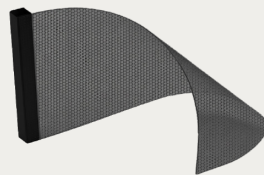Transform Transparent Glass, Refine Space Experience.
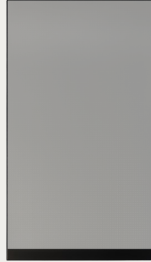
Lumi X

High density precision that delivers sharp, immersive visuals even at close outdoor viewing distances.

Lumi Y

A perfect balance of brightness, transparency, and scale for clear architectural storytelling from street to skyline.
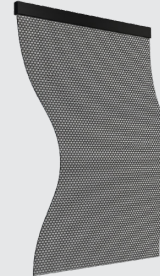
Lumi Z

Designed for large façades, delivering bold, durable visuals with consistent clarity across long viewing distances.

Core Features

Up to 80% Transparency
Allows natural light, almost invisible when turned off.

Ultra-Thin Design
Only 1-3mm thick for seamless glass integration.

Featherlight Weight
Around ≤5.5kg/m^2 for easy mounting.

Flexible & Customizable
Bends for curved surfaces, cut to size, seamless cropping.

High Brightness
Up to 5000cd/m visible even in daylight.

Specifications	Lumi**X**	Lumi**Y**	Lumi**Z**
	High density precision for sharp, detailed outdoor visuals at closer viewing distances.	A balanced performer delivering clarity, brightness, and scale for architectural façades.	Designed for distance, turning large outdoor glass surfaces into bold visual landmarks.
Pixel Pitch	L(3.91mm)W(3.91mm)	L(5mm)W(5mm)	L(6.25mm)W(6.25mm)
Pixel Density	65536dots/m²	40000dots/m²	25600dots/m²
Display Thickness	1-3mm	1-3mm	1-3mm
Module size	1000mm*250mm 1200mm*250mm	1000mm*250mm 1200mm*250mm	1000mm*250mm 1200mm*250mm
Electrical Performance	Average:450W/m², Maximum:1200W/m²	Average:450W/m², Maximum:1200W/m	Average:450W/m², Maximum:1200W/m²
LED Type	SMD2020	SMD2020	SMD2020
Screen Weight	≤5.5kg/㎡	≤5.5kg/㎡	≤5.5kg/㎡
Visual Transparency	≥70%	≥75%	≥80%
IP Rating	≥IP45	≥IP45	≥IP45
Average Lifespan	>100000H	>100000H	>100000H
Power Requirements	220V±10%; AC 50Hz	220V±10%; AC 50Hz	220V±10%; AC 50Hz
Screen Brightness	0-2500cd/m²	0-2500cd/m²	0-2500cd/m²

Viewing Distance	3m to 150m	3m to 150m	3m to 150m
Viewing Angle	H 160, 140	H 160, 140	H 160, 140
Grayscale Level	≥16(bit)	≥16(bit)	≥16(bit)
White Field Color Temprature	5500K-15000K	5500K-15000K	5500K-15000K
Drive Method	Static	Static	Static
Attenuation Rate	≤0.05%	≤0.05%	≤0.05%
Refresh Rate	≥3840Hz	≥3840Hz	≥3840Hz
Frame Rate	> 60Hz	> 60Hz	> 60Hz
(MTBF)	> 10000H	> 10000H	> 10000H
LED Failure Rate	≤1/10,000	≤1/10,000	≤1/10,000
Control System	Colorlight/Novastar	Colorlight/Novastar	Colorlight/Novastar
Working Environment	-10 to +65 oC / 10-90% RH	-10 to +65 oC / 10-90% RH	-10 to +65 oC / 10-90% RH
Storage Environment	-40 to +85 oC / 10-90% RH	-40 to +85 oC / 10-90% RH	-40 to +85 oC / 10-90% RH
Installation Methods	Wall-mounted, suspended	Wall-mounted, suspended	Wall-mounted, suspended

Holopixel's Lumi Film - Engineered for Outdoor Performance

Designed for demanding outdoor environments, Holopixel's Lumi Film combine high brightness, precise color control, and advanced transparency with a slim, lightweight construction. Built for large scale architectural glass, each configuration delivers stable performance, wide viewing angles, and long operational life, ensuring clear visibility, durability, and visual impact across façades, storefronts, and landmark installations.

LIFESTYLE SPACES
In Every Reflection

AUTOMOBILE SHOWROOM
Driven by Light and Precision

Bring your brand to life in spaces that move, glow, and inspire. Clarity Film redefine how lifestyle brands connect with audiences, weaving clarity into every design story. From cozy cafe's to luxury showcases, radiance becomes your signature.

Holopixel's Clarity Film redefine everyday living by turning glass into expressive digital surfaces for art, wellness, and ambiance. Ultra thin, high resolution displays adapt to mood and lifestyle while maintaining openness and light. Easy to install and built to last, they add a sense of quiet luxury and futuristic personalization to modern homes.

Automobile Driven by light and precision, every moment in the showroom becomes a living expression of speed and elegance. Clarity Film brings movement to glass, allowing cars to radiate energy even when standing still. It's not just motion it's emotion illuminated by technology.

Holopixel's Clarity Film transforms showroom glass into a living canvas that is integrated across façades, display windows, and partitions without hiding the vehicles behind them. Motion graphics, launch visuals, and feature highlights flow directly on transparent glass, creating anticipation before customers step inside. The result is higher footfall, stronger brand recall, and a showroom experience where every car feels dynamic, powerful, and alive.

COMMERCIAL BUILDING
Smart Buildings into Strong Brand Statements

CAFÉS & HOSPITALITY
Brewed Moment Glowing Through Glass

Transform commercial spaces into landmarks of innovation and clarity. Clarity Film redefines façades and lobbies with dynamic light, blending design with digital presence. Every reflection speaks professionalism, progress, and prestige.

Clarity Film enhances façades, lobbies, and corporate interiors with subtle yet impactful digital presence without disturbing architectural intent or natural light. Glass surfaces communicate identity, milestones, and information with refined motion. The result is a professional environment that feels progressive, intelligent, and aligned with modern business values

Cafes Digital reflections dance across walls, wrapping guests in vibrant motion and mood. From sunrise hues to evening glows, every scene adapts seamlessly to your space. It's not just lighting it's a sensory dialogue between technology and atmosphere.

Clarity Film transforms café windows and partitions into powerful storytelling surfaces and showcasing menus, promotions, and artistic visuals that attract attention day and night. High brightness and crystal transparency keep interiors inviting while turning glass into an active sales tool. Effortless content updates and energy efficiency help cafés boost footfall, engagement, and brand presence.

TECHNOLOGY SPACES
Innovation in Every Pixel

REAL ESTATE
Showcase Dreams in Crystal Clarity

Technology Step into immersive environments where light and technology move as one. From retail showcases to smart offices, every reflection becomes an experience of depth, motion, and intelligence. Transparent brilliance turns everyday spaces into living digital canvases.

Designed for innovation led environments, Clarity Film activates glass walls, meeting rooms, and display zones with intelligent digital layers. It visualizes product features, interfaces, and future concepts without physical screens, preserving openness and collaboration. This seamless blend of transparency and motion simplifies complex ideas while positioning brands as confident, future ready technology leaders.
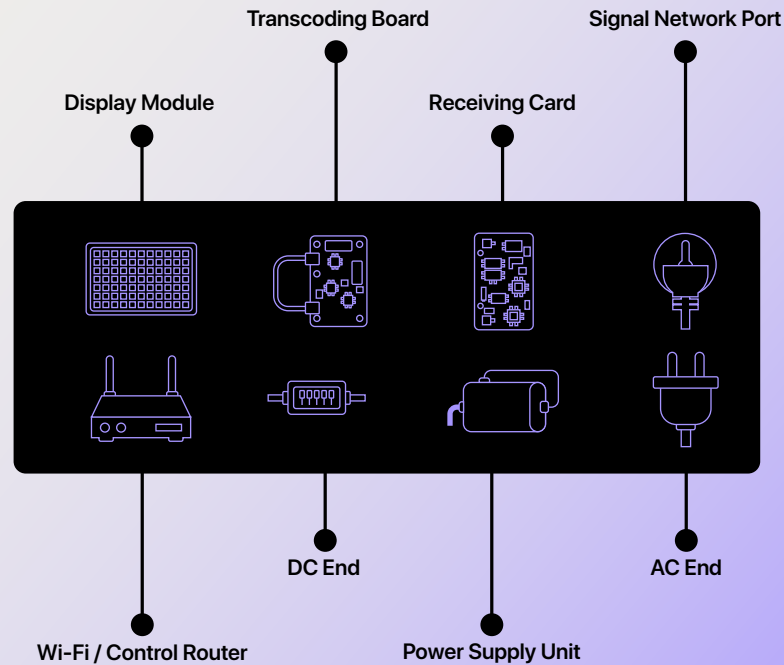
Clarity Film bring buildings to life, blending vision with visibility in every pitch. Leave lasting impressions that extend beyond meetings, capturing the essence of architecture through luminous storytelling.

Holopixel's Clarity Film elevates real estate experiences by overlaying property visuals, virtual tours, and floor plans directly onto glass. It creates immersive, clutter free presentations that highlight premium features and accelerate buyer decisions. Scalable, climate ready, and fast to install, it positions projects as modern, luxurious, and investment-ready.

Connections

Every module in our system is crafted to deliver peak performance display panels, sending cards, and controllers working together like a unified visual engine. The technology behind Holopixel goes beyond hardware it's a carefully tuned ecosystem designed for clarity, stability, and limitless creative expression.

Transcoding Board

Signal Network Port

Display Module

Receiving Card

DC End

AC End

Wi-Fi / Control Router

Power Supply Unit

Function

Image, Text & Video Display
Delivers full multimedia capability, supporting everything a traditional LED screen can show with smooth, high-clarity playback.

Interactive Sensing & Infinite Splicing
Connects with sensors like temperature, light, and motion to enable interactive experiences. Multiple films can be spliced, cut, or expanded for any installation size.

Remote & Cluster Control
Manage content wirelessly via Wi-Fi. Control multiple screens together, create split-screen layouts, or update all displays at once.

Synchronous & Asynchronous Control
Play content directly from a computer in real time, or store media in the sending box for scheduled, offline, or looped playback.

Steps to install

1 Clean the Glass
A spotless glass panel helps the film bond smoothly and prevents air bubbles or uneven adhesion.

2 Apply the Film
Align the Clarity Film carefully and press it firmly onto the glass for a seamless, secure installation.

3 Connect Power and Controller
Once connected, your film becomes an active digital display ready for configuration.

4 Upload and Play Content
Use the controller software to upload videos, update promotions, and start displaying dynamic content instantly.

Why Choose Us

Product Customization
Support more personalized products to improve satisfaction.

Warranty Service
Period is one year. You can buy an extended warranty.

Technical Support
Free consultation for troubleshooting and product guidance.

One Stop Service
We provide one-stop full-service, including door-to-door services.

Holopixel

Have a Cool Space? Let's Transform.

Let's Bring It to Life +

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