



IP PoE Glass

About our World's First IP PoE Glass

Netgenium's IP PoE Glass is the world's first smart window powered by PoE — offering advanced functionality like voice command, touch screen, built-in camera, microphone, speaker, and intelligent sensors (vibration, proximity and noise) all behind a single piece of glass.

Designed for any application, residential and commercial, land or sea, the smart glass acts as a discreet, intelligent interface. It features privacy masking, proximity detection, vibration sensing, ambient light adjustment, and digital display capabilities. Fully integrated with NGxControl and other Netgenium systems, it can play music, trigger lighting, initiate lockdowns, or interact with users via voice or touch.

It's a revolutionary option for high-end security environments, smart offices, super-yachts, luxury developments, and forward-thinking architects looking to embed technology into the structure of the building itself.

Available in various sizes and grades of glass to suit any need or budget.

Key Benefits

- **World-first PoE Smart Glass** – fully IP-enabled
- **Multi-function display** – voice, touch, and visuals
- **Built-in camera/speaker/mic** – communication-ready
- **Discreet and secure** – tech hidden in plain sight
- **Privacy features** – adaptive masking
- **Sensor-rich** – proximity, vibration, and light sensors
- **Smart building integration** – advanced automation

Option List (Please enquire for additional features/requirements you have):

- **Privacy Smart Film:** Instantly adjust transparency for complete privacy.
- **Integrated Speaker:** Built-in speaker for seamless audio without external devices.
- **CCTV Integration:** Embedded cameras for clear, real-time surveillance.
- **TFT Touchscreen (1.8 Inch):** Control settings and manage features directly from the window.
- **Blackout Blind:** Internal blind for total light control, perfect for any environment.
- **Break Glass Sensor:** Detects tampering or breakage, issuing an alert immediately.
- **Proximity & Brightness Sensors:** Auto-adjust transparency based on movement and light levels.

IP PoE Glass Technical Data

Model No:

Window

Connectivity:

1 or 2 No. RJ45 Plug (*Dependent Upon Options Selected)

Options:

- Privacy Smart Film
- Speaker
- CCTV
- Internal 1.8 Inch TFT Screen with touch buttons
- Internal Black out Blind
- Break Glass Sensor
- Proximity Sensor and Brightness Sensor

Power Supply:

Power over Ethernet

1x IEEE802.3at and 1x IEEE802.3at/af (*If options selected)

Max Power Output

25W (with IEEE802.3at supply)

Mechanical:

Dimensions, front & depth, mm

Made to order (Contact for Sizing)

Net weight

Dependent on order Specs

Material

Aluminium Thermal Break Window Profile (Smart Systems Alutherm 400 Range)

Colour

Textured RAL7016 (Other colours available upon request)