

# CHAMELEON

## VISUAL ENDPOINT SECURITY

### Visual Endpoint Security

What if you could safely read a sensitive document in a crowded room? How do you control visual access to computer displays without building walls around every one of your users? Corporations and government agencies are faced with many security challenges especially when workers increasingly need access to information either in crowded facilities or outside secure facilities. We need to take all reasonable precautions to protect classified and sensitive information while also controlling costs, improving efficiency, and delivering essential information where it is needed. The challenge lies in delivering critical information to the user wherever they are while at the same time protecting it against disclosure. This is particularly difficult when information is being displayed on computer screens with no real security from eavesdroppers.

Oculus Labs' unique computer security solutions provide user specific protection for your data while it is being viewed. This major advance in computer security technology enables government intelligence, defense community, and enterprises to:

- Significantly improve security for sensitive and classified materials
- Reduce the cost of current physical security infrastructure
- Extend high level security protection to mobile devices

### The Solution

**Chameleon™** is a software and hardware solution from Oculus Labs that addresses the unique security challenge of protecting sensitive and classified materials while being displayed on computer screens. The solution protects displayed information against over-the-shoulder eavesdroppers, video recorders, remote electronic surveillance, and TEMPEST style threats. Using a patent-pending, gaze contingent, secure content rendering system, the software allows a trusted user to read a screen normally, but no one else can.

The solution works by leveraging science based on a gaze contingent display paradigm. Chameleon unobtrusively tracks the trusted user's gaze point and shows true content at only that gaze point. The software replaces all other content with constantly changing plausible but false alternatives. The effects of replacing the false data are extremely disorienting to the eavesdropper while being nearly imperceptible to the trusted user.

### Chameleon Benefits

- Reduces inside leakage threats
- Inhibits electronic/telescopic eavesdropping
- Secures information on computer screens
- Avoids costs of building secured facilities
- Enforces need-to-know containment
- Provides portable visual endpoint security

There are no similar systems in existence today.

### Additional Information

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