



Ojo Shadow (PVP-900) Personal Video Phone

Redefining Video Telephony

WorldGate's unique implementation of advanced telephony, compression, and multimedia technologies enables Ojo to produce pictures and sound that are true-to-life. The Ojo experience surpasses previous video telephony attempts by providing high-quality images and precise audio-video synchronization without the break-up and distortion normally associated with video phones.

Quality

Ojo uses the latest video and audio codecs for superior image quality and bandwidth efficiency. The 15.5" tall display unit houses a high-resolution 16:9 LCD display, a state-of-the-art miniature camera, and advanced speakerphone technology that, combined, produce an optimal personal video phone experience.

Breakthrough Design

Ojo is designed for the residential consumer and for small and medium businesses. A user can make IP video and VoIP voice-only calls using a household's current ten-digit telephone number. Among Ojo's many features are an easy-to-use graphical user interface, picture-based caller ID, easily accessible video privacy controls and video messaging. Ojo's unique industrial design is both stylish and functional.



Broadband Friendly

Ojo is built for the broadband industry. The system design leverages existing cable, DSL, and fiber optic infrastructures.

Key Features

- True-to-life video and audio quality
- Video messaging
- Picture-based caller ID and phonebook
- Use of existing household telephone number
- High-quality speakerphone with AGC and echo cancellation
- CE certified for many international uses

Technical Specifications

Display Unit

General

| | |
|----------------------------|--|
| DC Input | 12 V |
| DC Current | 1.5 A (Typical) |
| Power Consumption | 15 W (Typical) |
| AC Power Adapter | 100 - 240 VAC, 50/60 Hz |
| Operating Temperature | 10° to 40°C |
| Storage Temperature | 0° to 70°C |
| Dimensions | 15.5" x 9" x 8" |
| Weight | 2.5 lb. |
| <i>Network</i> | |
| Connector | RJ-45 |
| Protocol | TCP/IP |
| Ethernet Network Interface | 100 Base-T |
| Communications Standards | SIP, TCP/IP, UDP, RTP |
| Security | SRTP, 128 bit AES |
| Call Bandwidth | 150 Kbps (Typical) 80 - 350 Kbps (Adjustable) |

Audio

| | |
|---------------------------|-------|
| Compression (Video Calls) | iLBC |
| Compression (Audio Calls) | G.711 |

Display

| | |
|---------------|---------------------|
| LCD Monitor | 7" diagonal |
| Type | LCD |
| Resolution | 234 x 480 |
| Backlighting | Yes |
| Viewing Angle | +/-30°(h) +/-60°(v) |

Camera

| | |
|------------------------|------------------|
| Image Sensor | CMOS, 1/4" color |
| Backlight Compensation | Yes |
| Automatic Gain Control | Yes |
| White Balance | Auto |

Speakerphone

| | |
|-------------------|-------------------|
| Audio Processing | Full Duplex |
| Echo Cancellation | Adaptive Sub-band |
| Audio Privacy | Headset Jack |

Video

| | |
|-------------|--------------------------|
| Resolution | 176 x 144 (QCIF) |
| Frame Rate | 30 fps (Fixed) |
| Compression | H.264 H.263 (Pending) |

Regulatory

CE, CSA, CB, FCC Part 15, UL, C-UL, VCCI and C-tick (Pending)

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