

OMNIVIEW® 360° VIDEO MONITORING

/// OVERVIEW

OMNIVIEW provides real-time 360 degree panoramic video monitoring. The OmniView system consists of a Fisheye Lens (FEL), Video Camera, Firewire, and OmniView (unwrapping) software. While using only a single camera and FEL, the proprietary OmniView software unwraps the real-time video image into a seamless distortion-free horizontal viewing zone. This system is compatible with PC-based systems (PC not included). POC currently offers a variety of cameras: super high resolution (2352 x 1728), high resolution (1280 x 1024), or NTSC (720 x 480) pixel resolution. OmniView is adaptable to IR and digital still cameras, and can be tailored to the internet, video compression, wired, and wireless systems.



/// FEATURES

- One (1) FEL (Fisheye Lens) 2.22" diameter x 2.05" height, 360° wrapped FOV with an unwrapped FOV of +55/-2°
- One (1) High Resolution PixelINK PL-A776 3.1 Megapixel (12 fps at full resolution 2048 x 1536 and 1280 x 1024 pixels at 27.7 fps) color camera (1/2" CMOS)
- One (1) Firewire (IEEE), and OmniView unwrapping software which is compatible with standard PC-Windows XP. The software includes a software key, software licensing agreement and GUI (Graphic User Interface).

/// FUTURE DEVELOPMENT

- IHC object oriented video compression
- Advanced lens designs for improved resolution
- Telescopic lens and motion detection software
- Scene change detection
- 4 Megapixel camera and software
- Recorded MPEG4 compressed video