pixelvelocity™
Insight Accelerated

Pixel Velocity Image Sensor

The **IPS 2000** is a multi-megapixel, high-definition sensor with 2560x1920 resolution. This results in 15x the definition of state-of-the-art video surveillance cameras. Pixel Velocity's design allows data from multiple cameras to be fused and synchronized. Because of this unique capability, 3D analytics can be performed on video data, resulting in information that cannot be acquired by any conventional system. Benefits include:

➤ High image resolution analysis and image stabilization combine to enhance detection rates by offering higher accuracy at greater distances and an overall reduction in false alarm rates.

➤ Intelligent asset monitoring to minimize operational disruptions, shorten response cycles, and gain efficiencies and insights for instant ROI across your entire enterprise.

➤ Hardware upgradeable cameras that extend the operational life to 10 years—well beyond industry standards, resulting in significant cost savings over time.

➤ Multi-resolution streaming video with embedded Pixel Velocity advanced pre-compression analytic image engine.

➤ Intelligent camera synchronization and uncompressed region of interest streams.

Pixel Velocity can help you maximize operations, increase response times, strengthen security and improve safety performance of your asset.

Reduce Risk by Decreasing Security Vulnerabilities

Continuous, real-time monitoring of physical facilities and surrounding perimeters helps manage and safeguard against operational, environmental, physical, and other threats. Reduce risk while maintaining strict safety and security standards. Immediate analysis and response is possible through our state-of-the-art sensor, which includes:

➤ Temporally and spatially synchronized sensors (patented).

➤ 3D model-based video analytics and multi-sensor composite panoramic view.

➤ 3D cross-sensor tracking that enables continuous target monitoring.

➤ Generation of detailed image metadata streams for deep, real-time analytics and post event analysis.

The IPS2000 can operate in hazardous areas when enclosed in the optional Class 1 Division 2 housing.

TECHNICAL SPECIFICATIONS	
Base Feature Set	**Feature Set Enhancements (New to IPS 2000)**
• 1920 x 1080 Color Imaging at 8 fps	• IP Communications with Support for Precision Time Protocol (IEEE 1588)
• Electronic Pan/Tilt Adjustment with 2560 x 1920 Sensor (5mp)	• Analytic Processing Support - Track Metadata Output Stream
• Day/Night Operation	• 50% Higher Analytic Processing Resolution (960 x 540)
• Analytic Processing Support	• Image Stabilization Support
• Hardware Electronically Upgradeable	• Ambient Light Sensor for Improved Day/Night Transition Control
• 0c to 55c Operation	• -40c to 70c Operation

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