



Product Pre-Release Announcement

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| Orders Can be Taken 01 February 2009 | First Shipments 01 March 2009 | Standard Lead Time 30 Days |
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Announcing the VersiCam PAL System



VersiCam Camera



ICC Module

Introduction

With the introduction of the VersiCam PAL video detection system, users from any country can now take advantage of the benefits of video detection for intersections. This high capability, low priced unit is ideal for small to mid-sized or semi-actuated intersections.

Key Messages

- More features than competitive products: Zoom lens, heater, mouse/monitor set-up from the traffic cabinet, heavy duty construction, industrial grade components
- Configure using local, on-screen menu system
- Ideal for international use in countries using the PAL video standard
- Operates on 240VAC input power
- Utilizes Vantage's field proven software and algorithms
- Compatible with Vantage Remote Access Software (VRAS)
- Designed for simplicity, ease-of-use and long life
- Full Motion Video output

Product End Items

This release announces availability of the following product models:

| Product ID | Description |
|--------------|--|
| VCPAL-PAK | VersiCam PAL System. Camera, shelf mount ICC and ship kit. |
| VersiCam PAL | VersiCam PAL Camera Only. |
| ICC-UP | Shelf mount cabinet interface 240VAC and CCABLE2 |
| VCSHIPKIT | FCABLE, VCMANUAL and Mouse |

Special Considerations

Unit ships as a standalone system in a self-contained rack with a power supply built in. Unit ships pre-configured for PAL mode.

Other Considerations

Please note that the Versicam does not ship with cable to connect the camera to the ICC. This must be ordered separately.

Product Description

Overview

The VersiCam PAL system is an extension to the highly successful Vantage and VersiCam products. It is an ideal solution to semi-actuated or small, fully actuated intersections.

Key Features

The Iteris Versicam PAL product includes the following key features:

- Very easy to use and install
- Easy setup at the cabinet using mouse and monitor and on-screen menu system
- Stand-alone form factor, easily mountable in most traffic signal cabinets
- State of the art CCD camera with full 10X optical zoom, auto-iris and auto exposure
- Focus and zoom can be adjusted from the ground
- Supports low contrast zones for handling of foggy conditions
- Counts zones and logical and'ing of zones included
- Built upon the time and field-tested vehicle detection algorithms of the Edge family of products

Ease of Use

The Iteris VersiCam was designed for ease of use with the following features:

- **Simple User Interface** – The Versicam PAL utilizes the robust Edge user interface to setup and monitor vehicle detection.
- **Simple to Install** – The Versicam PAL requires a six conductor cable to interface between the camera and the traffic cabinet. No special tools or awkward crimps are required.
- **Easy to configure or re-configure** – The Versicam PAL can easily be configured using the built-in menu and mouse/monitor control.

Robust Platform

The Iteris Versicam PAL builds on the successful Versicam platform which is built to work in the harshest outdoor environments and has been successfully tested to FCC and NEMA standards

Features and Benefits

| Feature | Benefit |
|-----------|--|
| Camera | Color image sensor providing the latest CCD/DSP technology, electronic shutter and auto iris, auto focus with manual override. |
| Housing | Environmentally sealed, integrated sunshield, proportionally controlled heater, integrated mounting bracket. |
| Processor | Vantage video detection algorithms, three configurations, setup and menu stored in camera, mouse and monitor setup. |
| ICC | Two outputs (TS-1), USB mouse control, RS-232 serial port, status LED and detector output switches, full motion video output for setup and monitoring. |

Competitive Positioning

Defines a new class of product

The Iteris Versicam PAL is positioned as a mid-range product, below the level of an Edge or Autoscope product but above the Traficam product.

| Versicam PAL | Traficam |
|-------------------------|---|
| 10X Zoom Lens | Fixed lens, must specify wide angle or narrow when purchasing |
| Integrated Heater | No Heater, can't perform in cold/icy conditions |
| Mouse/Monitor setup | Requires laptop to setup |
| Heavy duty construction | Plastic |

Specifications

| | VersiCam | ICC-UP |
|--------------------|--|--|
| <i>Features</i> | Color Imager | Compact enclosure |
| | 768 x 494 effective pixels | Two switches to manually activate outputs |
| | 470 TV lines | Two leds for output indication |
| | Automatic white balance | |
| | >50dB S/N ratio | |
| | 0.1 lux capable | |
| <i>Lens</i> | Focal length and focus adjustable for horizontal FOV ranging from 5.4° wide to 50.7° wide. | |
| <i>Connections</i> | Pluggable terminal- 6 way | Connector (6 Way for camera & 3-way for AC power input |
| | 2 x DC Power | BNC video output, PAL composite |
| | 2 x Differential Video | 1V p-p@750hm USB mouse port |
| | 2 x Differential Control | RS-232 serial port |
| <i>Environment</i> | | |
| <i>Temperature</i> | -31°F to +140°F | -35°F to +165°F |
| | -35°C to +60°C | -37°C to +74°C |
| <i>Humidity</i> | 0-100% relative | 0-95% relative |
| | | non-condensing |
| <i>Vibration</i> | 0.5G, 3axes, 5-30Hz | 0.5G, 3axes, 5-30Hz |
| <i>Shock</i> | 10G, all 3 axes | 10G, all 3 axes |
| <i>Outputs</i> | Differential video | PAL video |
| | RS 485 serial | RS485 serial |
| | | Two170/TS-1/TS-2 compatible outputs |
| | | RS-232 serial |
| <i>Power</i> | | |
| <i>Input</i> | 15-48VDC, 22W typical | 220-240V 50/60Hz 0.7A |
| <i>Output</i> | | 48VDC, 27W typical |

Performance

| Feature | Versicam PAL |
|---------------------------|--------------|
| Video frame rate | 25 fps |
| Minimum light sensitivity | 1 Lux |
| Sensor update rate | 10 ms |

Software Support

- Utilizes the edge embedded software Version 8.1.13sp3
- VRAS version 3.1.3a and above

Connectivity

- Analog PAL Video – for connecting a monitor or for sending video to a video server
- RS-232 – for laptop setup using VRAS
- USB for mouse connection

Availability

The Iteris Versicam PAL described in this announcement may be ordered beginning February 2009 and will be available for shipment beginning March 2009. Normal lead-time for orders is 30 days.

Accessories

The Versicam PAL is sold as a stand-alone unit. It ships without cable to connect the camera to the ICC. This must be ordered separately.

Installation

Installation of the Versicam PAL is very simple and can be performed by the end user. A Quick Installation Guide is included with all units.

What comes in the box

The Versicam PAL system includes the following items:

- camera
- sun shield
- brackets for mounting to a pole
- ICC
- housing for the ICC
- operator's manual
- quick start guide
- mating connector for camera

Shipping Information

| Product ID | Description | Dimensions/Weight |
|--------------|---|---|
| VersiCam PAL | Iteris Versicam PAL Camera, color, zoom | 13.5" (L) x 4" (H) 343mm x 102mm Without bracket 4.25lb (1.92kg) |
| ICC-UP | Integrated Camera Control Module, Shelf Mount | 8.3" (L) x 5" (H) x 2.8" (W) 211mm x 127mm x 71mm 2.4lb (1.09kg) |

Conclusion

The Versicam PAL compliments the existing VersiCam NTSC model to bring a complete VersiCam solution for international requirements. VersiCam now provides a field-proven system for small to medium sized or semi-actuated intersections to users in every country.