Overview

ViLink newest IoT equipment VK250: is an Intelligent Video Managed RTU Fiber Optic Industrial Gigabit Ethernet Switch (Remote Communication Unit). It can turn unlimited IP Cameras into Smart IoT Cameras. This unique RTU Switch has Intel Atom™ x5 Z8350 Processor with 1GB/2GB/4GB RAM and 16GB/32GB/64GB Memory for converting and managing multiple IP Cameras, providing a wide intelligent functions such as: Face Detections, Black list Face Matching, Vehicle Model, Color & License Recognitions, Perimeter Intruder Detections, Metal Detection, Thermal Sensor Detections, Line Crossing Detection, Enter/Exit Area, People Counting, Object Left Over Detection, unattended Baggage, Dangerous Materials, Object Removal Detection such as Display Materials, Sudden Loud Noise Detection... Plus many other unique security functions.

The VK250 provides Fully Redundant Fiber Optic Gigabit Ethernet Ring with 4 x 10/100/1000M TX Ethernet ports for IP Cameras connection, Self Healing Data Modem (ODT/R) port for exiting ITS Intelligent Traffic Control System, RS-232/422Data for Camera Control, and Optional alarm inputs for Metal Detection sensors. The build-in processor will process its intelligent processing functions locally such as scanning to match, capture and record the target images in its own data base, external memory USB port locally or block-chain data base via internet (option), then transmits these captive images to the Main Computer at the Control Center via single mode Fiber Optic cable. These specific tasks would save a lot of Execution Time for the Central Computers, it is the best way to migrate customers exiting IP cameras system into specific IoT functions in network surveillance applications. Applications include ITS Intelligent Traffic System, Metro and Railroad Systems, Oil & Gas Monitoring, Schools, Banks, Hotels and Shopping Centers, Homeland Security, Perimeter Intruder Detection, Utility Management, Premise Networks, Military and government area security applications.

Features

- Using Standard IP cameras (2 Megapixel or Better)
- Converting IP Cameras To Smart IoT Cameras
- Intel® Atom™ x5 Z8350 Processor
- Fiber Optic Fully Redundant Gigabit Ring
- 2 x 1000M ST ports
- 4 x 10/100/1000M TX Ethernet Ports
- ITS Self Healing Data Modem (ODT/R) For Exiting ITS System
- Switchable RS-232/422 Data ports
- 1GB/2GB/4GB RAM, 16GB/32GB/64GB Memory
- 4 x USB Type A Ports for Keyboard and Mouse
- USB-3 for External Memory
- HDMI Port for Video Display
- Intelligent features: Face Detections, Vehicle Model, Color and License Plate Recognitions, Intruder Detection, Lin Crossing Detection, Object Counting, Unattended Baggage, Sudden Loud Audio, Thermal Sensor Detection, Metal Detection
- NEMA Temperature Compliance

Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications

Order Information

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<th>Model</th>
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<tr>
<td>VK250ST03</td>
<td>Fiber Optic Intelligent RTU Switch, Managed Smart Cameras, GB Ethernet, 1300nm SM SFP, 50Km Between Nodes, +12 VDC</td>
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*** Please Consult Factory for Additional Model Numbers***
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