Overview

The ISC250 is a fiber optic Gigabit IP Intelligent Smart Camera designed with Intel Atom™ x5 processor and 8 GB on board memory for transmitting high definition video image and audio (optional) over a single mode fiber optic cable. This robust platform allows the users to set up an intelligent surveillance system based on the visual information gathering by the camera, its capability of automatic detection and recognition aimed at traffic monitoring such as Make and Model Recognition (MMR), License Plate Recognition (LPR) or Color Recognition (CR) and so on...

The Fiber Optic interface is the Ethernet 100M-FX port. It can connect to any 100M-FX of the Ethernet Network via single mode cables. Distance can be up to 50 Km from the Operation Center to the Remote location.

Raining or Shining hot or cold, the extended temperature capability of the ISC250 satisfies very critical applications requiring high quality video performance with high reliability.

Applications include ITS Intelligent Traffic System, Metro and Railroad Systems, Oil & Gas Monitoring, Homeland Security, Perimeter Intruder Detection, Utility Management, Premise Networks, Military and government area security applications or anything requiring remote monitoring without broadband performance.

Features

- High Definition Smart Camera
- 100M FX Fiber Interface
- Intel Atom™ x5 Processor
- On Board 8GB Memory
- GB Single Mode Fiber ST/SC Connectors
- Full HD 1920 x 1080P
- H.264 / M-JPEG Video Encoder
- Outdoor Water Proof Case
- Multiple Intelligent Functions: Face Detection, License Plate Recognition, Meter, Counter, Senor, Intruder Detection ...

Applications

- ITS Traffic Control & Monitoring
- Metro & Inner City Applications
- Oil & Gas Security Monitoring
- Railroad Monitoring Applications
- Border and Perimeter Application
- Campus Security Applications
- Unman Air Plan Applications
- Military Areas and Government Buildings security Applications

Order Information

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<td>Fiber Optic Smart HD IP Camera, 100M FX Ethernet Interface, 1300nm SM SC, 50Km, +5 VDC</td>
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# Specifications

## Camera:
- **Image Sensor**: 1/2.9 Progressive Scan CMOS
- **Effective Pixels**: 1920 (H) * 1080P (V)
- **Pixels**: 2.0 MP
- **Video Format**: 25fps@50Hz, 30fps@60Hz
- **Illumination**: Color 0.01Lux @ F1.2, black and white 0.001 Lux@F1.2
- **AGC**: Auto/Manual
- **Signal To Noise**: > 52 dB
- **Supports**: DWDR, 3D DNR, HLC, BLC, Defog
- **Shutter Time**: 1 – 1/1000s
- **Day/Night**: ICR
- **Infrared Lamp**: 6 pcs 14 Lattice Lamps @ 850 nm
- **Iris Distance**: 40m – 60m
- **Auto Focus**: Auto/Semi-Automatic/Manual

## Built-in Processor:
- **CPU**: Intel AtomTM x5-Z8350 Processor
- **CPU Frequency**: 1.84 GHZ
- **Memory Type**: Onboard DDR3L-1600
- **Max Memory Capacity**: 4 GB
- **Images Analytic**: Face Detection, Vehicle Model/Color and License Place Recognition, Perimeter Intruder Detection ...  

## Network Interface:
- **Network Standard**: IEEE 802.3 10BASE-T
  - IEEE 802.3u 100BASE-TX
  - IEEE 802.3z FX
  - IEEE 802.3x Flow Control
- **Network Management**: Web-based, CLI
- **Port Configuration**: Port enable, Auto-Negotiation, Full and Half Duplex mode, Flow Control Enable, Bandwidth Control

## Fiber Interface:
- **Channel**: 1
- **Data Rate**: 100 Mbps
- **Connector**: ST or SC

## Environment:
- **Operating**: -34°C to +74°C
- **Storage**: -40°C to +95°C
- **Humidity**: 98% Non-Condensing

## Power:
- **Standalone**: +12 VDC @ 2 Amp

## Physical:
- **Outdoor**: P66 Standard
- **Dimensions**: 54" x 100" @ 5 lbs

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## Application

100M Ethernet Fiber Optic Interface

Traffic Operation Center

Fiber Optic Media Converter

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