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 IP PTZ Camera
- 5 Megapixel Resolution
- Full HD 1920 x 1080P
- H.264 / M-JPEG Video Encoder
- 100/1000M FX Fiber Interface
- GB Single Mode Fiber ST/SC Connectors
- Truly Day & Night With IR CUT
- PTZ Control 360° 36X Zoom
- Up to 50 Km @ Single Mode Fiber
- Outdoor Water Proof Case

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>ISC250</td>
<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:** 1/2.8" 335 CMOS
- **Effective Pixels:** 2592 * 1944 MAX
- **Pixels:** 5.0 MP
- **Video Format:** H.265/H.264 MJPEG
- **Illumination:** Color 0.002 Lux @ F1.6, B & W 0.0002 Lux@ F1.6
- **AGC:** Auto/Manual
- **Signal To Noise:** > 46 dB
- **WDR:** >100 dB
- **Shutter Speed:** 1/2 ~ 1 ~ 20,000s
- **Day/Night:** Auto (ICR) / Color / BW
- **Infrared Lamp:** 850 nm
- **Iris Distance:** 200m ~ 300m
- **Auto Focus:** Auto/Semi-Auto/Manual
- **Auto Focus:** Auto/Semi-Auto/Manual

**Pan/Tilt:**
- **Range:** Pan: 360° Endless / Tilt: -10 ~ 90°
- **Pan/Tilt Speed:**
  - Preset Max: 131°/sec
  - Manual: 0.1° - 131°/sec
  - Patrol: 1.4° ~ 131°/sec
- **Other Functions:** Auto Flip, Auto Parking, Power Up...

**Network Interface:**
- **Network Standard:**
  - IEEE 802.3 10BASE-T
  - IEEE 802.3u 100BASE-TX
  - IEEE 802.3z RX
  - 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

### Application

**HD IP PTZ DOME**
- 100M Ethernet
- Fiber Optic Interface

**Traffic Operation Center**
- Up To 50 Km Sing Mode
- Fiber Optic Cable

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