

# Project Brief

Yunnan Province,  
China



## IndigoVision's Reliable IP Video Keeps Traffic Moving in China



### End Users

Yunnan Province Police Forces

### Country

China

### Vertical Market

Traffic

### Partner

Yunnan Dongpu Technology

### Technology Features

Distributed Architecture  
Remote Wide-Area Monitoring  
Two-Way Audio

### Background

IndigoVision's end-to-end IP Video surveillance systems are being used throughout the Chinese province of Yunnan for urban monitoring and traffic management. Used by 10 different police forces in cities and districts throughout the province, the systems are helping the authorities to better manage traffic and increase public safety through the use of help points.

### Solution

"Since 2005, we have installed over 2000 IndigoVision video encoder modules throughout the province, which are being used to connect analog cameras to the network," said Jiang Weining, General Manager, Yunnan Dongpu Technology Ltd, IndigoVision's Authorized Partner responsible for the design and installation of the various systems. "To date, the failure rate for all of IndigoVision's products has been zero. This excellent reliability record makes it much easier for us to maintain the current systems and promote the technology to others, as can be seen by the fact that 10 different police forces have adopted it."

The largest system, with over 1000 cameras, has been installed in the Province's capital, Kunming City. Other large installations include Anning City Police, who have deployed 700 cameras and Chuxiong City with over 100. The cameras are mainly installed at road junctions, residential access areas, tunnels and other public areas with a large flow of population.

The police monitor their respective areas from a series of control rooms and traffic management centers using PC workstations running 'Control Center', IndigoVision's Video Management Software (VMS). IndigoVision's distributed architecture allows video to be streamed directly from cameras to workstations without the need to go via a central server. This reduces the network bandwidth usage and delivers video with extremely low latency, allowing operators to smoothly control PTZ cameras over long distances. The distributed architecture is key to the easy deployment of multiple police control rooms around the network.

IndigoVision's technology also supports fully-synchronized two-way audio, which is transmitted alongside the video. This feature is being used by a number of the police forces in public help points.

### Benefits

- Distributed architecture allows multiple police control rooms to be deployed around the network
- Fully-synchronized 2-way audio used for Public Help Points
- Distributed backup NVRs provide redundant recording solution
- Advanced compression technology delivers low latency video over large distances for smooth PTZ control

