IR Bullet Network Camera

iCAM-721F



3MP
IR / IP67

Features

- 6 mm Fixed-Focal, Fixed-Iris Lens
- 3-Megapixel CMOS Sensor
- 30 fps@1080p Full HD
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Real-time H.264, MPEG-4, and MJPEG Compression
- ROI (Region of Interest) for Enhancement of Image Quality
- Low Lux for Night Vision
- WDR Enhancement for Visibility in Extremely Bright or Dark Environments
- Two-way Audio Communication
- Built-in MicroSD card slot, support MicroSDHC/ MicroSDXC 64GB or above
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- ONVIF Compliant for interoperability



Introduction

iCAM-721F is a professional bullet camera offering 1080p Full HD resolution with super image quality up to 30 fps. Featuring 3-Megapixel resolution and high-performance H.264/MPEG-4/MJPEG compression technology, the iCAM-721F offers extra-smooth video and wide coverage.

iCAM-721F employs many advanced features to allow users to fully utilize the high definition video. Focus on a region of interest (ROI) in the camera view to enhance image quality. It also saves the cost of network and backend storage without network bandwidth of video streaming.

Aimed at outdoor surveillance, iCAM-721F is furnished with a fixed lens, a removable IR-cut filter, 15-meter IR illuminators, Wide Dynamic Range (WDR), and multi-functional environment profile image settings for superior image quality around the clock. Moreover, the IP67-rated housing protects against rain and dust and ensures functional operation in all types of weather conditions.



With other advanced features such as motion detection, 802.3af compliant PoE, ONVIF Compliant for interoperability, built-in MicroSD/ MicroSDHC/MicroSDXC card slot for storage, two-way audio, and digital input / output for alarm, the iCAM-721F is an all-in-one bullet network camera for detailed surveillance in outdoor environments.

Specifications

Model	iCAM-721F
System Information	
CPU	Multimedia SoC (System-on-Chip)
NOR Flash	16 MB
RAM	512 MB
Camera Features	
Image Sensor	1/3" Progressive CMOS sensor in 2048 x 1536 resolution
Maximum Resolution	2048x1536, 3 MP
Lens Type	Fixed-Focal (M12*0.5)
Focal Length	f = 6 mm
Aperture	F1.6 ,Fixed - Iris
Field of View	48.8°(H); 36.6°(V); 61°(D)
Shutter Time	1 sec. to 1/1,000,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	1.5 Lux @F1.2 (Color); 0.001 Lux @F1.0 (B/W)
IR Illuminators	Built-in IR illuminators, effective up to 15 meters; High Power IR LED x 4
On-board Storage	Built-in MicroSD card slot, support MicroSDHC /MicroSDXC 64GB or above
Video	
Compression	H.264 / MJPEG / MPEG-4
Maximum Frame Rate	15 fps at 2048x1536 30 fps at 1920x1080 30 fps at 1600x1200, 1280x960, 1280x720, 800x600, 640x480, 720x405 30 fps at 720x405 (Mobile)
Maximum Streams	3 simultaneous streams
S/N Ratio	Above 39 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate ROI (Region of Interest) for Enhancement of Image Quality
Image Settings	Adjustable image size, quality and bitrate Configurable brightness, saturation, exposure control, sharpness, contrast, white balance, auto shutter control, auto gain control, noise reduction, EV luminance control, flip & mirror, privacy masks, time stamp, text overlay

Model	iCAM-721F
Audio	
Audio Capability	Audio input/output (full duplex)
Compression	G.711u
Interface	External microphone input
Effective Range	5 meters
Network	
Users	Live viewing for up to 10 clients
Protocols	HTTP, HTTPS, TCP/ IP,IPv4, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP,RTSP, RTP, UPnP, ONVIF(Profile S), Multicast
Protection	Multiple user access levels with password protection, IP address filtering
Interface	10 Base-T/100 BaseTX Ethernet(RJ-45)
ONVIF	Ver. 2.2
Intelligent Video	
Motion Detection	Ten-windows video motion detection
Alarm and Event	
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
General	
Connectors	RJ-45 cable connector for Network/PoE connection Audio input / Audio output Video output * 1 Digital input * 1 / Digital output * 1
Power Input	IEEE 802.3af PoE DC 12V
Power Consumption	IR ON Max. 12W (PoE) IR OFF Max. 5W (PoE)
Dimensions	Ø:200 L x 81H x 81W mm
Weight	Net: 350g
Casing	Weather-proof IP67-rated housing
Safety Certifications	CE, FCC Class B, LVD
Operating Temperature	Starting : -10°C ~ 50°C Working : -40°C ~ 50°C
Operating Humidity	10% ~ 80%
System Requirements	
Operating System	Microsoft Windows 10/8/Vista/XP
Web Browser	Mozilla Firefox 7 ~ 52, Internet Explorer 7 ~ 11
Other Players	VLC: 1.1.11 or above

Ordering Information

iCAM-721F	IR Bullet Network Camera with 3MP and IP67