IDVACO

SI52-12S

Full HD AI-Powered Network IR Bullet Camera

Superior Image Quality

1/2.8" 2MP CMOS sensor

FHD 1080p 30fps image

Varifocal AF Lens

Storage and bandwith savings with Codec H.265

Ultra low light integrated at 0.002 Lux

High quality color images under low light environments

With 3D noise reduction, auto iris, WDR and HLC

Recognition Functions

Identify multiple targets simultaneously

Target tracking and feature recognition

Bi-directional people counter

Built-in algorithm for image comparison ability

Intelligent Face Detection that detect face and optimizes the exposure optimally

High Performance IR

Industry-standard IR LED with longer life expectancy

Long-range with Smart IR feature

Other Highlights

Expandable memory with MicroSD card

Supports Automatic Network Replenishment (ANR)

Bi-directional audio/ alarm input & output/ RS485 standard

Support multiple streams (up to 3)

PoE enabled

TECHNICAL SPECIFICATIONS

CAMERA

Image Sensor	Progressive scan CMOS 1/2.8" with 2.0 Megapixel Digital Wide Dynamic Range S/N Ratio: >52dB
Minimum Illumination	Color: 0.002Lux @ (f/1.2, AGC on) B/W: 0.0002Lux @ (f/1.2, AGC on)
Shutter Time	1 - 1/30,000 secs
Day and Night	Automatic infared-cut filter, color, black & white
Lens	Mount Type: Φ14 Auto Iris: DC drive Focal Length: 7022: auto varifocal, 7 - 22mm, f/1.4 Focus: manual/ semi-auto/ auto
Infrared	IR Distance: 30 - 50m IR Intensity: Smart IR
Other Settings	Auto/ Manual White Balance Auto/ Manual Gain Control Backlight Compensation: BLC / HLC / WDR / Off

VIDEO

Compression	H.265, H.264, MJPEG
Image Resolution and Frame Rate	Main stream: 1080p at 30fps Sub stream: D1 at 30fps
Bitrate	32kbps to 16Mbps
Multi-Stream	Supported
Image Settings	Bitrate Control: VBR / CBR Privacy masking & motion detection: up to 4 zones Video Stamper: timestamp / alert / customize 3D Noise Reduction, freeze frame, rotating image, mirroring of image

AUDIO

Audio Capability	Compression: G.711a / G.711u / ADPCM / G.722 / AAC-LC / G.722.1c/ G.726 Bitrate: 32kbps - 64kbps Audio Streaming: bi-directional / AEC / two way recording / mute and dumb

NETWORK

Supported Protocols	IPv4, IPv6, TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP
User Interface	Web control works with IE, Firefox and Chrome
Max. User Access	10 users
Compability	Onvif (Profile S/G), API, CGI
Automatic Network Replenishment (ANR)	Supported

INTELLIGENT FUNCTIONS

Detection and Tracking	Face detection and recognition for up to 18 targets simultaneously
Image Capturing	Person, Face, Full view Built-in algorithm for image comparison ability, select best shot automatically
Detectors	Direction detector, speed detector
People Counter	Bi-directional counting
Photo Enhancement	Intelligenc face detection

CONNECTORS

Network Connectivity	RJ-45 connector, 10/100M
Control	1 x RS485
Audio In / Out	1 x Input, 1 x Output
Alarm In / Out	1 x Input, 1 x Output
External Memory	Support up to 128GB MicroSD card

ALERT AND NOTIFICATIONS

Condition Triggers	Input alarm / network disconnection / low disk space / disk read error
Event Triggers	Alarm incident report / recording / text overlay / snapshot / external output / email notification / acoustic alarm

GENERAL

Operating Conditions	Temperature: -40°C ~ 40°C (-40 °F ~ 104 °F) Humidity 10% to 95%
Power	AC 24V ± 10%, DC12V ± 10%, PoE (IEEE802.3at), Max. 20W
Weight	1 kg/ 2.2lb (GWT)
Dimensions	181.5 x 80 x 73mm / 7.15'' x 3.15'' x 2.87''