

## SD-2020

2-Megapixel 20X Optical Zoom Speed Dome IP Camera

## SD-2020-ST

2-Megapixel 20X Optical Zoom Speed Dome IP Camera with Smart Tracking

- 1/2.8" Sony Progressive CMOS Sensor
- Full HD 1080p + D1 Real-Time at Dual Streaming
- Up to 20x Optical Zoom
- Up to 30 fps @ 1080p Full HD
- Weather-Proof IP66 Rated Housing
- Pan / Tilt Resolution of 0.225°
- Auto Focus
- Motion Detection
- 2-Way Audio
- Super Wide Dynamic Range
- -40°C ~ 50°C Wide Temperature Range
- Compatible with ONVIF Standard
- 802.3at Power over Ethernet Port
- Mechanical IR-Cut Filter Removable
- Micro SDHC Memory Card Slot for Local Storage
- Clear Motion Technology to reduce motion blur
- Smart Tracking (Optional)



**A**irLive SD-2020 is 2-Megapixel Speed Dome IP Camera which integrates 20x optical AF lens, Sony progressive scan CMOS sensor, high-speed and precise pan/ tilt mechanism. With IP66 and wide temperature range support, SD-2020 has excellent capability for harsh outdoor environment.

### 2-Megapixel Sony Progressive CMOS Sensor with Wide Dynamic Range and High Frame Rate

AirLive SD-2020 is built-in 2-Megapixel Sony CMOS Sensor. With Sony COMS sensor, user can see smooth video with 30FPS at full HD resolution in 0.05 lux surroundings. Even though camera is in strong back light environment, user still can see the details in the bright and dark areas.



Manufacturer

**OvisLink Corp.**

5F, No.96, Min- Chuan Rd., Hsin- Tien Dist., New Taipei City 231, TAIWAN

[www.airlive.com](http://www.airlive.com)

### Smart Tracking (Optional)

This video surveillance feature “Smart Tracking” could automatically detect an interrupting/moving object and follow it within the visual coverage area. This intelligent program could help to track the unexpected presence of people or vehicles require special attention under video surveillance. It will be helpful to secure the restriction regions with smart-tracking speed dome camera outer the business hours.



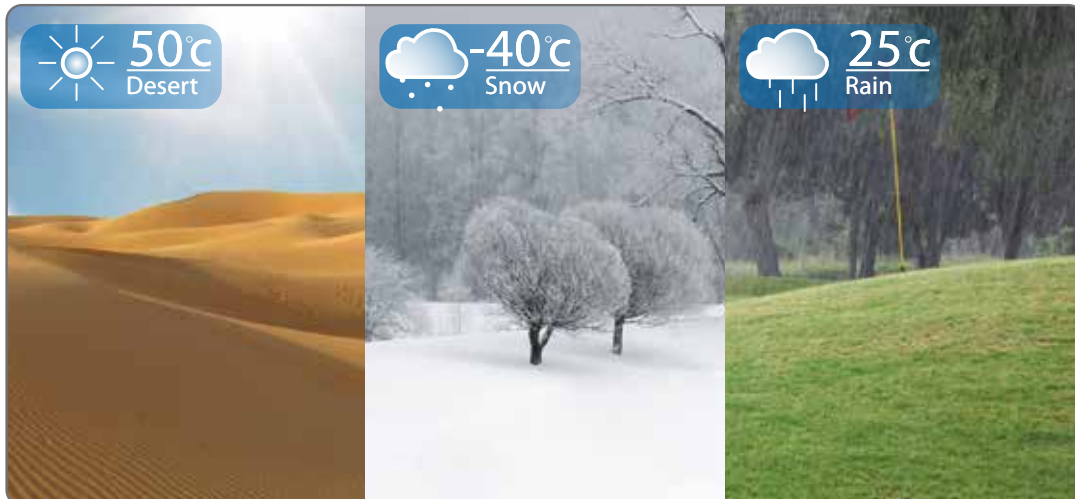
### 20X Optical Zoom and High-Speed Pan/ Tilt Mechanism

Surveillant can monitor great larger area by only one AirLive SD-2020. With 20x optical zoom, user can check any object in long distance with clear video quality. High speed pan/ tilt mechanism can help surveillant to track any unexpected stranger rapidly without a miss. Moreover, Auto Pan / Preset / Sequence / Cruise functions can secure major areas with easy settings.



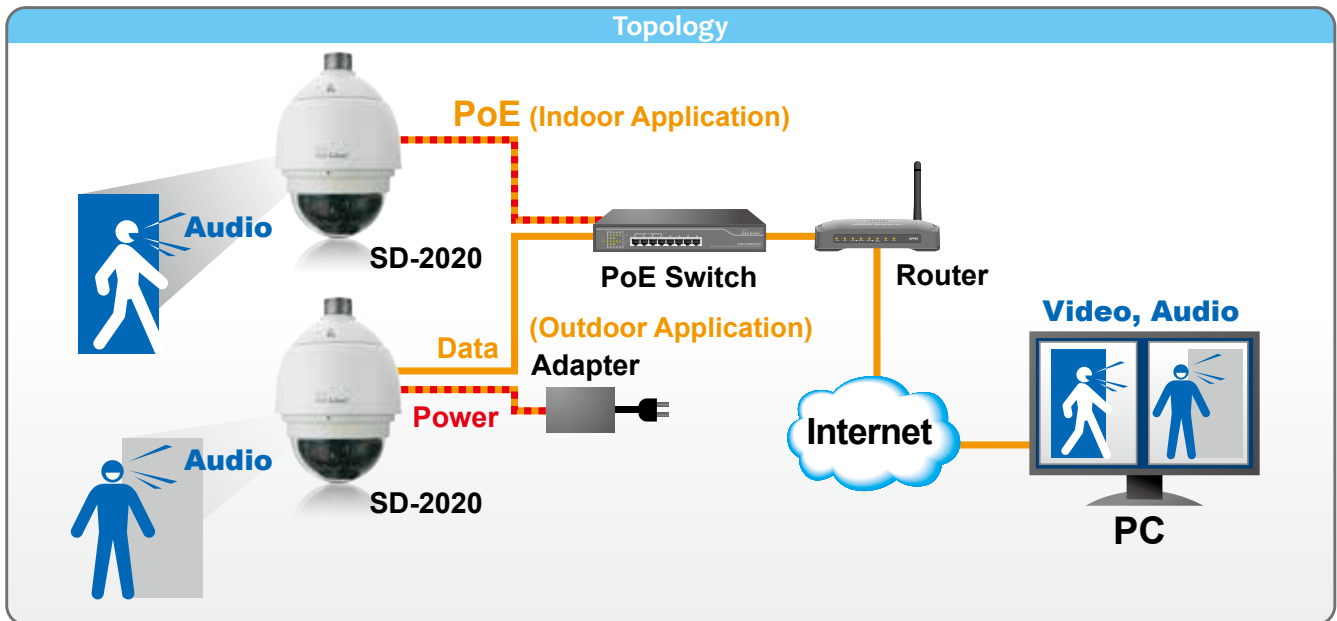
### Wide Temperature Range and Weather-Proof IP66 Rated.

AirLive SD-2020 can work in harsh condition. Built-in heater and great thermal conductivity design, SD-2020 can operate from -40 to 50 Celsius degree. In addition, IP66 rated housing can also protect camera from heavy rain and sand storms damages.



## Easy Installation with optional 802.3at PoE or 24V AC Adapter

AirLive SD-2020 is designed with easy installation and it can be powered by two circumstances. In indoor application, SD-2020 just needs to connect to 802.3at switch (optional) for data transfer and power supply. In outdoor application or temperature below 0 degree Celsius, SD-2020 can be powered by 24V AC adapter (optional) for heater power consumption.



## 64-Channel Recording Software and IP Wizard

The surveillance software CamPro Express 64 lets user to view and record multiple live images at the same time. Using several supported Cameras with CamPro Express 64, user can easily build up a surveillance system at different environment. Moreover, SD-2020 also supports CamPro Professional, which is AirLive's intelligent video surveillance recording software. It is designed to meet most demands for professional installations. With its video analysis functions, such as tampering detection, user can build up a stable and efficient surveillance system.



## Optimize Clear Motion Technology for Moving Object

Even the most beautiful image will be useless if it is not able to catch the details of moving objects. AirLive has developed the Clear Motion Technology to minimize the motion blur caused by moving objects. You can have the details where you need it.



### CamPro Mobile

Available on the  
 **App Store**

ANDROID APP ON  
 **Google play**

### AirLive CamPro Mobile for iOS and Android

AirLive has released the CamPro Mobile apps for both iOS and Android system. It supports most of AirLive IP Cameras for live viewing and also supports two-way audio, snapshot and movement controls on PTZ cameras. You may download the software from App Store or Google Play. Please visit our FAQ page for more information.

\*Two-way audio on AirLive CamPro Mobile currently is available on iOS devices only.

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## Specifications

### Camera

#### Camera Type

- Speed Dome Type

#### Max Resolution

- 1920X1080

#### Image Sensor

- 1/2.8" 2Mega Sony CMOS image sensor

#### Sensor Resolution

- 1920X1080

#### Lens Type

- CS Mount Lens
- 4.7 ~ 94 mm
- F=1.6

#### Night Vision

- Yes

#### Minimum Illumination

- 0.05 LUX

#### Mechanical IR-Cut Filter

- Yes

#### Auto Iris

- Yes

#### Viewing Angle

- H: Wide: 55.2°(H) @ F1.6 Tele: 5.2°(H) @ F2.8 V:  
Wide: 42.1°(H) @ F1.6 Tele: 2.4°(H) @ F2.8

#### Pan/Tilt Control

- Pan Degree-0~360
- Tilt Degree--10~190°
- Preset Points-Up to256 preset point
- Camera Tour-Up to 8 tours

### Video

#### Video Compression

- H.264 HighProfile/MainProfile/Baseline MJPEG

### Video Profile

- 358

### Resolution and Frame Rate

- 30FPS @ 1280 x 1024 (4:3)
- 30FPS @1024 x 768 (4:3)
- 60FPS @800 x 600 (4:3)
- 60FPS @ 640 x 480 (4:3)
- 30FPS @ 1920 x 1080 (16:9)
- 60FPS @ 1280 x 720 (16:9)
- 60FPS @ 720 x 480
- 60FPS @ 352 x 240

### Streaming

- Multi-profile streaming
- Streaming over UDP, TCP, or HTTP
- M-JPEG streaming over HTTP (for non IE browser)
- Configurable frame rate and bandwidth
- Support both CBR and VBR

### Image Processing

- AE, AWB
- Text, time and date OSD

### Digital Zoom

- 10X

### Audio

#### Audio Encoder

- G.711 / G.726 ADPCM / AAC

#### Audio Streaming

- Two-way

#### Audio Input/Output

- Speaker & microphone I/O port

### Network

#### Ethernet

- 10 / 100 Mb Ethernet (RJ-45)

## PoE

- IEEE802.3at

## Supported Protocols

- IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, IEEE 802.1x, QoS, ONVIF

## Security

- Password protection
- IP filter
- HTTPS

## Users

- Up to 20 simultaneous users

## LED and Button

### Power LED

- Amber Color

### Link/Act. LED

- Green Color/Flash Green

### Reset Button

- Reboot and Factory Default (Push and Hold default button then plug in power)

## General

### Network Processor

- DSP Base

### System ROM

- 1GB(Flash)

### System RAM

- 2GB

### Power Supply

- AC24V

### Power Consumption

- 50 Watts Max.

### Connector

- RJ-45 10BaseT/100BaseTX
- 24V AC power jack

- Audio I/O
- DIDO
- Reset button

## Environment

- Operation: Temp: -40°C ~ 50°C Humidity: 0% ~ 90% non-condensing
- Storage: Temp: -40°C ~ 50°C Humidity: 0% ~ 90% non-condensing

## SD card slot

- Micro SD

## Dimension

- HxWxD:282.11x282.11x115 (φ)mm

## System Integration

### Software

- Campro Express 64, Campro Professional
- Search & Installation-IP Wizard II

### Event Triggers

- Motion detection
- External input via DI interface

### Motion Detection

- 10

### Event handler

- FTP file upload
- E-mail alert
- HTTP
- DO (digital output) alarm

### UPNP

- Yes

### Application Programming Interface

- Open API for software integration
- SDK

### Video Buffer

- Pre- and post- alarm buffering

### Alarm Triggers

- Intelligent video motion detection and external input

#### Alarm Events

- File upload via FTP, email, SD card
- Notification via email, HTTP, and TCP
- External output activation
- Audio alerting output

#### Continuous Recording

- Yes

#### Viewing System

##### OS

- Windows VISTA / Windows XP / Windows 7

##### Browser

- Internet Explorer (6.0+) / Chrome / Firefox / Safari

#### Video Player

- VLC, Quick Time, Real Player, Core Player

#### Ordering Information:

- |                           |   |
|---------------------------|---|
| <b>AirLive SD-2020</b>    | 2-Megapixel 20X Optical Zoom Speed Dome IP Camera                     |
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\* The Power Adapter and wall mount kit are optional to AirLive SD-2020.