

# F7520 | Box Camera

## 5MP Box Camera

www.zavio.com

**ZAVIO**  
Innovating IP since 2006



\*Lens to be purchased separately

- 1/1.8" 5MP CMOS sensor
- Compatible with C/CS-mount lenses
- Smart Codec + H.265
- 5MP @ 30fps
- 100dB WDR
- 3D DNR
- ROI (Region Of Interest)
- Corridor mode
- Defog
- Operating conditions -20~ 60°C
- Micro SD/SDHC/SDXC card slot up to 128GB
- Two way audio (full duplex)
- 1 alarm in / 1 alarm out
- 12V DC & PoE (802.3af)
- ONVIF 2.4 & Profile S

ZAVIO F7520 fixed box camera is full featured, yet compact and affordable. Latest H.265 compression to cut bandwidth in half, with ZAVIO's smart codec feature further lowering bandwidth and storage consumption to 80% less than normal H.264 cameras. Huge 1/1.8" Sony sensor with 5MP resolution @ 30 fps that gives the most details. True WDR to handle the most challenging lighting conditions. Superior low-light sensitivity that still sees when you don't.

F7520 supports DC-Iris C/CS-mount lenses, giving you maximum flexibility to suit your requirements. Ideal for numerous application such as home, office, and even hallways and aisles with its corridor mode. Compatible with ZAVIO CamGraba 2.0, the most professional free NVR software that can support up to 64 IP cameras.

### Optional accessories

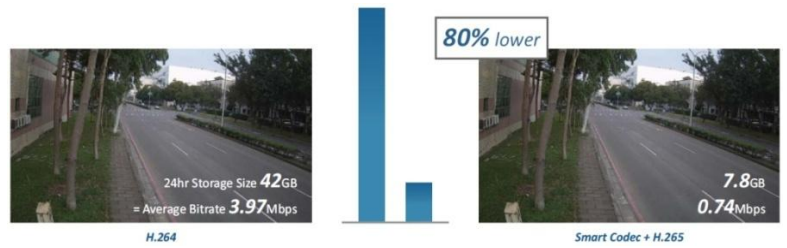
- Accessory:** Outdoor enclosure  
**Item number:** AF-M01  
**Dimensions:** 462.7(L) x 171(W) x 256(H)mm  
**Compatible with:** F7220, F7320, F7520



## Features

### Smart Codec + H.265

ZAVIO Smart Codec + H.265 reduces bandwidth and storage requirements by a stunning 80% compared to standard H.264 camera.



WDR off



WDR on

### WDR

Cameras with WDR will take multiple exposures of the full scene and merge them together to provide an image that extends further than the human eye can perceive.

### ROI (Region Of Interest)

Defining a Region Of Interest will allow you to spend less bandwidth in areas that are less important while relocating resolution on the most relevant areas.



Landscape mode



Corridor mode

### Corridor mode

Corridor Mode allows you to get a vertically oriented video stream from the camera, maximizing image quality while eliminating bandwidth and storage waste.

## Technical Specifications

### Camera

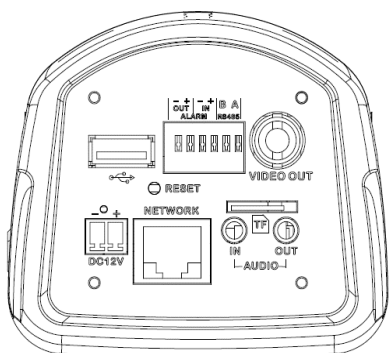
<b>Camera Type</b>	5MP Box Camera
<b>Image sensor</b>	1/1.8" CMOS sensor
<b>Lens</b>	C/CS-mount
<b>Horizontal view angle</b>	-
<b>IR working distance</b>	-
<b>Min</b>	0.05 lux @ F1.5 (color) 0.005 lux @ F1.5 (B/W)
<b>WDR</b>	100dB
<b>Day/Night function</b>	Mechanical IR cut filter

### Video & Audio

<b>Resolutions</b>	Motion JPEG/H.264/H.265: 2 Profile from 2560 x 1920 to 640 x 480 (total 6 resolutions) 2 Profile from 640 x 480 to 640 x 360 (total 2 resolutions)
<b>Video compression</b>	Motion JPEG H.264 baseline/ main profile/high profile H.265
<b>Frame rate</b>	H.265/H.264: up to 60 fps at 1080p, 30fps at 5MP Motion JPEG : up to 30 fps at 1080p, 10fps at 5MP
<b>Video</b>	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast and multicast (RTSP)
<b>Image settings</b>	Rotation: mirror, flip, mirror flip, corridor mode Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy Image ROI 3D DNR Defog
<b>Audio support</b>	Two-way (full duplex)
<b>Audio compression</b>	G.711 u law, a law, G.726, AMR

### I/O & Connector

<b>Ethernet</b>	RJ-45 Ethernet 10/100 Base -T
<b>Power Supply</b>	Terminal block, 12V DC, 1A Power consumption: Max 4W PoE(Power over Ethernet) built-in IEEE 802.3af
<b>Alarm I/O</b>	Terminal block, 1/1
<b>Audio connector</b>	3.5mm Phone Jack , line in & line out
<b>Analog video output</b>	BNC
<b>RS-485</b>	Terminal block
<b>Edge storage</b>	Micro SD/SDHC/SDXC up to 128GB
<b>Buttons</b>	Reset push button
<b>Other(s)</b>	USB connector



### Alarm & Event

<b>Event type</b>	Alarm input, motion detection, audio detection, periodical, network link down, tampering, tripwire, people density, perimeter.
<b>Alarm action</b>	Network storage, edge storage, FTP, SMTP, HTTP event, HTTPS, alarm out pre and post event image.

### Network

<b>Users</b>	10 simultaneous users
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<b>Supported protocols</b>	IPv4, IPv6, Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
<b>ONVIF</b>	2.4 & Profile S

### General

<b>Housing</b>	Aluminum Alloy
<b>Ingress Protection</b>	-
<b>Impact Protection</b>	-
<b>Operating conditions</b>	Starting temperature: -10 ~ 60°C Humidity 10-100% RH Working temperature: -20~ 60°C Humidity 10-100% RH
<b>Dimensions</b>	147.80 x 80.67 x 70.99mm
<b>Weight</b>	524.2g excl. power supply
<b>Included accessories</b>	Quick installation guide, hex wrench, C-mount adaptor.
<b>Optional accessories</b>	Outdoor enclosure (with optional PoE, IR, Heater, Fan)
<b>Certification</b>	CE, FCC, RoHS
<b>Language</b>	Chinese, Croatian, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, Turkish

### System Requirements

<b>Operating system</b>	Windows XP / 7 / 8 / 8.1, MAC OS, Linux
<b>Browser</b>	Internet Explorer 9 / 10 / 11, Chrome, Firefox, Safari

### Software

<b>Video management software</b>	ZAVIO CamGraba 2.0 IP System software, for viewing, recording and archiving up to 64 cameras.
<b>Installation, management and maintenance</b>	ZAVIO Installation Tool makes camera management easier camera image preview, firmware upgrade of multiple cameras, reset cameras to default while keeping network settings, etc.

