

# B6520 | Mini Bullet 5MP Outdoor IR Compact Camera

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**ZAVIO**  
Innovating IP since 2006



- 1/3.2" 5MP CMOS sensor
- Fixed lens 2.8mm, F2.0
- Smart Codec + H.265
- 5MP @ 15fps
- 90dB WDR
- 20m IR range
- ROI (Region Of Interest)
- Defog
- Corridor mode
- Operating conditions -30~ 60°C
- 12V DC & PoE (802.3af)
- IP66
- ONVIF 2.4 & Profile S

ZAVIO B6520 is an outdoor ready IR Mini Bullet Camera, with 5MP resolution and frame rate of up to 15fps @ 2560 x 1920. Featuring 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. Class-leading WDR to handle the most challenging lighting conditions.

Additional features includes ROI (Region of Interest) and Corridor mode, allowing you to spend your precious bandwidth and storage on the areas that really matter and helping you to make the most of your field of view by changing the standard landscape mode into corridor mode for staircases, aisles, tunnels and many more.

## Optional accessories

**Accessory:** Junction box  
**Item number:** AZ-M01  
**Dimensions:** 119 x 39mm  
**Compatible with:** B6210, B6320, B6520, B6220, B6330, B6530, D6210, D6320, D6520

Junction box



B6520 with junction box



## 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 Outdoor IR Mini Bullet
<b>Image sensor</b>	1/3.2" CMOS sensor
<b>Lens</b>	Fixed lens 2.8mm, F2.0
<b>Horizontal view angle</b>	85°
<b>IR working distance</b>	20m effective range
<b>Min</b>	0.3 lux @ F2.0 (color) 0.03 lux @ F2.0 (B/W)
<b>WDR</b>	90dB
<b>Day/Night function</b>	Mechanical IR cut filter, Light sensor

### Video & Audio

<b>Resolutions</b>	Motion JPEG/H.264/H.265: 2 Profile from 2560 x 1920 to 640 x 360 (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 30 fps at 1080p, 15fps 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>	-
<b>Audio compression</b>	-

### I/O & Connector

<b>Ethernet</b>	RJ-45 Ethernet 10/100 Base -T
<b>Power Supply</b>	DC Jack, 12V DC, 1A Power consumption: Max 6.3W PoE(Power over Ethernet) built-in IEEE 802.3af
<b>Alarm I/O</b>	-
<b>Audio connector</b>	-
<b>Analog video output</b>	-
<b>RS-485</b>	-
<b>Edge storage</b>	-
<b>Buttons</b>	Reset push button
<b>Other(s)</b>	-

### Alarm & Event

<b>Event type</b>	Alarm input, motion detection, periodical, network link down, tampering, tripwire, people density, perimeter.
<b>Alarm action</b>	Network 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

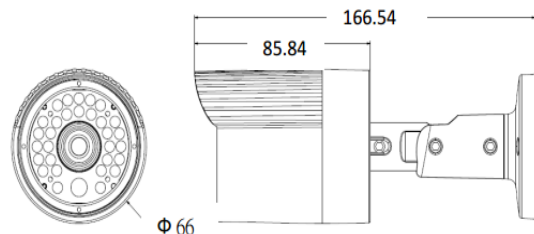
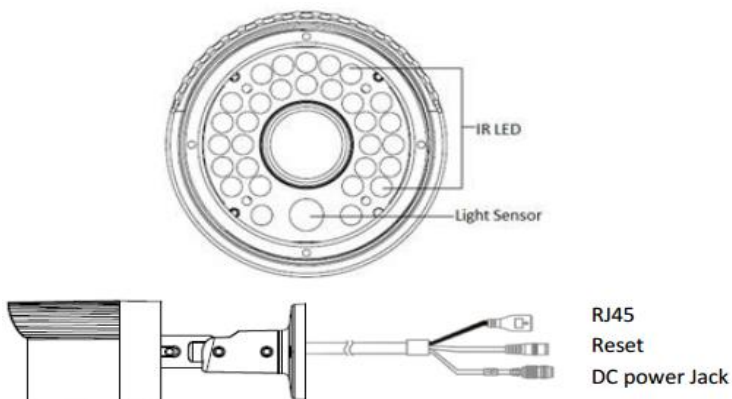
<b>Housing</b>	Aluminum Alloy
<b>Ingress Protection</b>	IP66 rated weatherproof housing
<b>Impact Protection</b>	-
<b>Other(s)</b>	-
<b>Operating conditions</b>	Starting temperature: -10 ~ 60°C Humidity 10-100% RH Working temperature: -30~ 60°C Humidity 10-100% RH
<b>Dimensions</b>	φ66 x 166.54mm, incl. bracket
<b>Weight</b>	420g excl. power supply
<b>Included accessories</b>	Quick installation guide, mounting and connector kit.
<b>Optional accessories</b>	Junction box AZ-M01
<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 camera image preview, firmware upgrade of multiple cameras, reset cameras to default while keeping network settings, etc.



Unit:mm