

B7210 2 Megapixel Bullet IP Camera



- 2 Megapixel CMOS Sensor
- 4 High Performance IR LEDs and 35m Working Distance
- Built-in MicroSD/ SDHC Card Slot for Local Storage
- Built-in Heater and Fan
- Enhances High Contrast Bright & Dark with WDR

- 2 megapixel progressive scan CMOS sensor
- H.264, Motion JPEG, MPEG-4 and 3GPP video streams
- 30 fps in 1920 x 1080
- Day/night functionality with automatic removable IR-cut filter
- 4 high performance IR LEDs and 35m distance
- 3 - 9mm, F1.2 varifocal, auto-iris lens
- Enhances high contrast bright & dark with WDR
- Analog video output through RCA connector
- MicroSD/ SDHC card local storage
- Built-in heater and fan, enabling camera in severe environment (-40 ~ 60°C)
- Power over Ethernet (IEEE 802.3af)
- 2 x alarm input, 2 x alarm output
- IP66 rated weatherproof housing
- SSL v3 advanced HTTPS encryption
- Camera tampering detection support
- Supports Samba network storage
- 3GPP mobile surveillance
- 32 channel ZAVIO CamGraba NVR software
- Multi-lingual user interface
- Supports ONVIF

Technical Specifications

Camera	
Models	B7210 2 Megapixel Bullet IP Camera
Image sensor	1/2.7" progressive scan CMOS 2 megapixel sensor
Lens	F1.2, 3 ~ 9mm, vari-focal, auto-iris
Angle of view	38° ~ 121° horizontal 21° ~ 62° vertical
Digital zoom	10x digital
Min illumination	0.05 lux at F1.2 (color) 0.001 lux at F1.2 (b/w) 0 lux at F1.2 (IR LED on)
IR working distance	35m effective range
IR LEDs	High performance IR LED x 4 (850nm)
Day/Night function	Mechanical IR cut filter
Shutter time	1/2 ~ 1/10000sec.
S/N ratio	39dB
Video	
Video compression	Motion JPEG, MPEG-4, H.264
Resolutions	Motion JPEG: 8 resolutions from 1920 x 1080 to 160 x 120 via API, 8 selections via configuration web page MPEG-4: 8 resolutions from 1920 x 1080 to 160 x 120 via API, 8 selections via configuration web page H.264: 8 resolutions from 1920 x 1080 to 160 x 120 via API, 8 selections via configuration web page
Frame rate	Motion JPEG: up to 30 fps at 1920 x 1080 MPEG-4: up to 30 fps at 1920 x 1080 H.264: up to 30 fps at 1920 x 1080
Video streaming	Simultaneous Motion JPEG, MPEG-4, H.264 and 3GPP (multiple streaming) Controllable frame rate and bandwidth Support unicast and multicast Support 3GPP/ ISMA RTSP (Real time streaming protocol)
Image settings	Brightness, contrast, saturation WDR enhanced Rotation: mirror, flip, mirror flip Overlay capabilities: time, date, text and privacy image
Audio	
Audio streaming	Two-way (full duplex) External microphone input or line input
Audio compression	G.711 μ law, a law, AMR
Network	
Security	Multiple user access levels with password protection, HTTPS encryption
Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP/IP, UDP, 3GPP/ISMA RTSP, IGMP, DynDns
Users	10 simultaneous users Unlimited number of users using multicast
Alarm and Event Support	
Alarm and event management	Input: alarm buffer, motion detection, audio detection, tampering detection Output: network storage, FTP, SMTP, pre-and post alarm buffer
System	
Connectors	RJ-45 Ethernet 10/100 Base-T DC power Jack 3.5mm jack for audio out Reset button

	MicroSD/ SDHC card slot
LED Indicator	System power status indicator Network link indicator MicroSD/ SDHC card status indicator
General	
Casing	Aluminum casing
Housing	Weatherproof IP66-rated
AC power requirement & consumption	Power requirement: 12V DC, 1.5A, Max. 12W Note: while IR on, heater or fan would be activated automatically Power consumption: 3.58W, without IR, heater and fan 7.9W, with max. IR on 9.6W, with max. IR on / heater on 8.87W, with max. IR on / fan on
PoE power requirement & consumption	Power requirement: Power over Ethernet IEEE 802.3af Note: while IR on, heater and fan will be disabled Power consumption: 3.59W, without IR, heater and fan 7.9W, with max. IR on
Heater & fan	Built-in and auto activation Note: Heater will be activated while the B7210 inner temperature drops under 5°C and fan over 50°C
Operating conditions	-40 ~ 60°C (-40 ~ 140°F)
Installation, management, and maintenance	ZAVIO camera management tool on CD and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at www.zavio.com
Minimum web browsing requirement	Pentium 4 2.8GHz (or equivalent AMD) 256 MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Window 2000, 2003, XP, Vista or Windows 7 Mac OS Leopard 10.5
Dimensions (HxWxD)	360 x 125 x 250mm (14.2" x 4.9" x 9.8")
Weight	1830.8g (4.05lb) excl. power supply
Included accessories	Quick installation guide, CD (IP Surveillance Software, Intelligent IP Installer, user manuals, and language pack), mounting and connector kits Note: AC power supply not included
Certification	CE, FCC, RoHS

Integration	
Video management software	ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 32 cameras See http://www.zavio.com/support_softwares.php for more software application

