

B7210 2 Megapixel Bullet IP Camera



- 2 Megapixel CMOS Sensor
- 4 High Performance IR LEDs and 50m 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 50m distance
- 3 - 9mm, F1.2 ~ F2.3 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 (-50 ~ 60°C)
- Power over Ethernet (IEEE 802.3af)
- 2 x alarm input, 2 x alarm output
- IP68 rated weatherproof housing
- SSL v3 advanced HTTPS encryption
- 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 ~ F2.3, 3 ~ 9mm, vari-focal, auto-iris
Angle of view	38° ~ 121° horizontal 21° ~ 62° vertical
Digital zoom	10x digital
Min illumination	0 Lux at F1.2 (IR LED on)
IR working distance	50m 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 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 IP68-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	-50 ~ 60°C (-58 ~ 140°F) Note: Under the conditions of ZAVIO laboratory testing
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
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
----------------------------------	---

