dvtel·ioi

high definition analytics

ioi HD CB-5222

2.1MP Full HD 1080p Analytic Bullet IP Camera

The CB-5222 is a Full HD IP bullet camera that combines military-grade video analytics with broadcast-quality IP camera technology. Optimal picture quality is ensured under low-light and high-contrast lighting conditions by utilizing a 2.1MP 1/2.8" CMOS sensor with True/Shutter WDR, 3DNR, automatic gain control, auto white balance, backlight compensation, and an IR cut filter.

The camera's video analytics can detect an instrusion, fence trespassing, tripwire crossover, unattended baggage, removed object, stopped vehicle, or loitering. Rules and scheduled actions are easily defined and configured from the camera's simplified interface. Alarms can be sent via FTP, ONVIF, relay, or over the web. False alarms are minimal, because the analytics can detect sophisticated intruders as well as small objects from a distance, even in scenes where there are large or multiple objects and movement in most of the frame.

The indoor/outdoor camera features automatic calibration of depth settings, a choice of three motorized varifocal lenses for remote zoom and auto focus, and a single PoE/PoE+ cable connection that reduces deployment costs.

FEATURE	BENEFIT
Integrated video analytics	Security and situational awareness are improved by user-customizable detection rules, positioning criteria, responses, alarms and scheduled actions.
Auto calibration	Auto calibration of the depth settings simplifies setup and reduces user errors, installation time, and manpower requirements.
Supports relay events triggered by analytics	Integrates with any relay-activated device (e.g. activate a siren or turn on lights).
A choice of lenses and increased detection distance	Fewer cameras needed to cover the same area.
Reliable detection of sophisticated intruders as well as people standing upright	Minimum false alarms when not detecting camouflaged or crawling intruders.
True/Shutter WDR (multi-exposure)	Superior quality under diverse lighting conditions at low bandwidth with lower storage costs, electricity, and total cost of ownership.
Integrated web setup	Easy, intuitive setup of the camera and analytic behavior.
Power over Ethernet (PoE/PoE+)	One cable supports network, power, and video connections.

HD broadcast-quality plus military-grade analytics

Detection Types*

- Intrusion detection:
  - Regional entrance
  - Tripwire
  - Fence trespassing
- Unattended baggage detection
- Object removal detection
- Stopped vehicle detection
- Loitering detection
- Camera tampering detection

* An additional license is not required. It is possible to simultaneously run five intruder, tampering, and loitering rules, or one unattended baggage rule, or one stopped vehicle rule.

dvtel® *Now you can.*

VIDEO INNOVATION TO SECURE YOUR BUSINESS

ONVIF

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Specifications

Camera	
Image Sensor	1/2.8" 2.1 Megapixel Progressive Exmor CMOS
Effective Pixels (H x V)	1920 x 1080
Sensitivity	Color: 0.2 lux@f1.4 B/W: 0.1 lux@f1.4 @ 15 FPS, 36dB max. gain
Operation	
Video Resolution	Full HD 1080p
Video Compression	H.264, MJPEG
Video Streaming	30FPS @ 1920 x 1080 @ H.264
Backlight Compensation	On/Off
Bandwidth	Configurable 64Kbps - 8Mbps
Digital Slow Shutter (DSS)	1/15 to 1/10,000 with up to 32x sensitivity boost in color or night mode
Day/Night Mode	Auto/On/Off
Mechanical IR Cut Filter	Yes
AGC Control	Auto/Manual
White Balance	Auto
Noise Reduction	2DNR/3DNR
Wide Dynamic Range	True/Shutter (96 dB) and Digital
Bi-directional Audio	Line In/Line Out
Audio Compression	G.711/G.726
Alarm Input	1x dry contact
Relay Output	1x relay output (rated load 0.3A@ 30VDC)
Analog Video Output	Composite 1v p-p (PAL or NTSC), 1 x BNC 75Ω
Event Notification	HTTP, FTP, ONVIF and Relay
Network	
Ethernet Interface	1x RJ45 10/100/1000Mbps (IEEE 802.3/802.3u/802.3ab)
Protocols	IPv4, TCP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, UPnP, IGMP, SNMP, ONVIF Profile S, NTP
Security	IP Filter, IEEE 802.1x
Internet Browser	Internet Explorer 8, 9, 10, and 11

Lens and Iris	CB-5222-11	CB-5222-21	CB-5222-31
Lens Type	Motorized vari-focal		
Focal Length	3 to 10.5mm	7 to 22mm	6 to 50mm
F Number	F1.4	F1.4	F1.6
FOV	93.2° (Wide); 31.9° (Tele)	40.6° (Wide); 16° (Tele)	55.7° (Wide); 12.7° (Tele)
Iris Control	DC-Iris	DC-Iris	DC-Iris
Physical			
Dimensions (L x W x H)	285 x 96 x 94mm (11.1 x 3.8 x 3.7 in.) with sunshield and fully extended mounting arm		
Weight	940 g (2.07 lbs.)		
Enclosure	IP 66 weatherproof protection, IK10 vandal-proof		
Environmental			
Operating Temperature	-40° to 50°C (-40° to 122°F) w/ 12VDC/24VAC/PoE+ -10° to 50°C (14° to 122°F) w/ PoE		
Storage Temperature	-20° to 70°C (-4° to 158°F)		
Humidity	10% to 90% (non-condensing)		
Electrical			
Power Source	12VDC/24VAC/PoE (802.3af Class 0)/PoE+ (802.3at)		
Power Consumption	25W max		
Regulatory			
Safety	UL, CE		
Electromagnetic Interference (EMC)	FCC 47 CFR Part 15, Subpart B Class A; CE Class A; RCM		
Environmental	RoHS		

Camera Ordering Information

Part Number	Description
CB-5222-11	Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8" CMOS, F1.4 motorized 3-10.5mm auto-focus, DC-Iris lens. 12VDC/24VAC/POE/POE+.
CB-5222-21	Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8" CMOS, F1.4 motorized 7-22mm auto-focus, DC-Iris lens. 12VDC/24VAC/POE/POE+.
CB-5222-31	Full HD 1080p Bullet IP camera with built-in video analytics. D/N, WDR, IR Cut Filter, H.264, 25/30 fps. 1/2.8" CMOS, F1.6 motorized 6-50mm auto-focus, DC-Iris lens. 12VDC/24VAC/POE/POE+.

Accessories

A complete list of mounts, brackets, pole mounts and recess kits for cameras can be found in the DVTEL Price List and Camera Accessory Guide.

Warranty

Four years from purchase date.

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