

## Features

- Standardized Housing and Software**  
 The **LARGE BULLET series** uses a common housing and software across eight different models. All cameras share the same mounting options, connections, software, zoom lens range, IR illumination range with 3 different imager resolutions to ease installation and training for the integrator.
- IP MEGA-PIXEL Imagers**  
 Three (3) different MEGA-PIXEL imagers (2MP, 3MP WDR, 5MP) all with the same connection format and software configuration provides flexibility in resolution and pricing while maintaining consistency in installation and function.
- Low Latency**  
 720P Latency = 140ms, 1080P Latency = 160ms
- Dual Voltage**  
 All cameras support either 12VDC and/or PoE for IP Cameras models making upgrading systems easy.
- IR Illumination**  
 Built-in 50 Meter IR illuminators on all imager types
- ONVIF**  
 All cameras are ONVIF 2.4 compliant for use with any ONVIF 2.4 compliant Network Video Recording Software Solution.
- Internal Storage**  
 TF Card slot for internal storage.
- RS-485**  
 Serial RS-485 Control
- Audio**  
 Audio input and output enabled two-way communications via IP Camera
- Dual IR Cut Filter**  
 Dual IR Cut Filter for day and night operations with or without IR illuminators.
- No Heater**  
 All models support operate in -40°C (-40°F).

# LARGE IR BULLET Series

...From Patronus Labs



## Overview

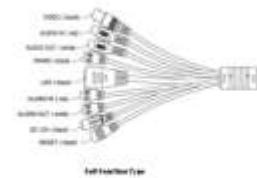
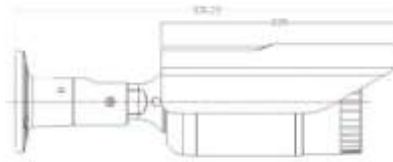
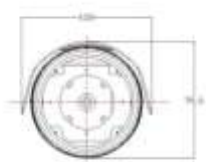
**Patronus Labs** offers an exclusive selection 12VDC and/or POE IR Bullet housing mounted board-imagers. This diversity ensures a comprehensive ability to meet the functionality needs of virtually any resolution or lighting environment and the economic needs of virtually any budget. Standardized mounting and connections mean reduced training costs, reduced installation time, and reduced inventory in addition to a uniform appearance throughout the facility. Only by **PATRONUS LABORATORIES**.

PRODUCT IDENTIFICATION CHART		
Division	Category	
Access Control	Camera, Board	IR Illuminator
Computer Components	Camera Bullet	JoyStick
Fixed Platform	Camera, Dome	Lens, Board
Housings/Mnts/Enclosures	Camera, Mini	Lens, C/CS Mount
Mobile Platform	Cam, Professional	Recorder, Embedded
Power Gen/Storage	Cam, Specialty	Recorder, Mobile
Tools/Equipment	Cam, Speed dome	Recorder, Network
Video Surveillance	Decoder	Recorder, PC-Based
Wire/Cables/Connectors	Encoder	Software
Wireless Equipment	Encoder/Recorder	



## Models

Model	Description
VSCB0928	Camera, Large Bullet, 2MP, Day/night Format, IP66, Weather Resistant, 6-22mm Lens, 50M IR Illuminators, 12VDC/PoE
VSCB0930	Camera, Large Bullet, 3MP, Wide Dynamic Range, Day/night Format, IP66, Weather Resistant, 6-22mm Lens, 50M IR Illuminators, 12VDC/PoE
VSCB0932	Camera, Large Bullet, 5MP, Day/night Format, IP66, Weather Resistant, 3.3-10.5mm Lens, 50M IR Illuminators, 12VDC/PoE



**Cable Box**



## Specifications

Model	VSCB0928	VSCB0930	VSCB0932
Alarm Output	FTP, E-mail, Explorer, Software		
Alarm Trigger	Motion detection, tampering alarm, network disconnect, storage exception		
Analog Video Out	1Vp-p Composite Output ( 75Ω/BNC )		
Audio Compression	G.711a(8kbps)/G.711u(8kbps)/RAW_PCM(16kbps)		
Audio In	1-channel 3.5mm audio interface MIC IN/Line IN		
Audio Output	1-channel 3.5mm audio interface (line level,600Ω)		
Auto Electronic Shutter	1/25—1/100000		
Auto Iris Lens	No		
Backlight Compensation	On/Off		
CVBS Video output	1 channel ,BNC connector		
Data storage	TF Card - 32G max		
Day/night	IR cut filter with auto switch		
Digital Noise Reduction	3D DNR		
Dimension	331.39mm x 109mm x96.6mm		
Effective Pixels	1920(H)×1080(V)	2048(H)×1536(V)	2560(H)×1920(V)
Environmental	IP66		
H.264 coding standard	H.264 Baseline/H.264 Main Profile/H.264 High Profile Optional		
Image Sensor	1/2.8" 2.0Megapixel Progressive Sony Exmor Sensor	1/3" 3.0Megapixel Progressive Scan Aptina WDR Sensor	1/2.5" 5.0 Megapixel Progressive Scan Aptina CMOS Sensor
Image settings	Saturation, brightness, contrast, sharpness adjustable through client software or web browser		
IR Illumination Range	50M		
I/O	1-channel input, Normally Open/Normally Close modes adjustable; 1-channel output, RS-485 interface		
Lens	6-22mm		3.3-10.5mm
Media Processor	High-performance TI DaVinci DSP - DM368		
Min. Illumination	Color:0.1Lux/F1.2 ; B/W:0.005Lux/F1.2 ; 0Lux/F1.2(IR on)	Color:0.2Lux/F1.2; B/W:0.01Lux/F1.2; 0Lux/F1.2(IR on)	Color:0.6Lux/F1.2; B/W:0.08Lux/F1.2 ; 0Lux/F1.2(IR on)
Mirror	OFF / HORIZONTAL / VERTICAL		
Network Interface	10/100M BASE-TX,RJ-45 connector		
Network protocol	Ipv4/Ipv6、RTSP、TCP/UDP、HTTP、DHCP、DNS、FTP、DDNS、PPPoE、SMTP		
ONVIF protocol	Version 2.4		
Operating Humidity	<95%		
Operating Temperature	-40C~60°C		
OSD	Supports channel name, date, and video stream information overlay; OSD location is adjustable		
Phone/Tablet Support	Iphone , Ipad ,Android		
Power	DC12V±10% / PoE (IEEE 802.3af)		
Power Consumption	10W Cam & IR		
Recording	Recording set up to record by motion trigger, alarm trigger, manual, or schedule		
Resolution Stream 1	1080P(1920×1080)/1.3M(1280×960) / 720P(1280×720) / D1(704×576/704×480)	3.0Mp(2048 × 1536 ) /1080P(1920×1020) / 720P(1280×720) / D1(704×576/704×480)	5.0Mp(2592 × 1920)/3.0Mp(2048 × 1536 )/1080P(1920×1080) / 720P(1280×720)
Resolution Stream 2	D1(704×576/704×480)		
RS485	Yes (half duplex)		
S/N	≥50db(AGC OFF)	≥120db(AGC OFF)	≥50db(AGC OFF)
Video Bitrate	Stream 1:200Kbps~8Mbps, Stream 2:100Kbps~6Mbps	Stream 1:200Kbps~12Mbps, Stream 2:100Kbps~6Mbps	
Websserver Support	IE 6.0 or up, max 10user		
Weight	0.8KG		
Wide Dynamic Range	Digital WDR	True WDR: 120dB	Digital WDR
White Balance	Auto/Manual		



# DATA SHEET

Video Surveillance Division

Security Camera

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