

5 Megapixel Bullet Network Camera

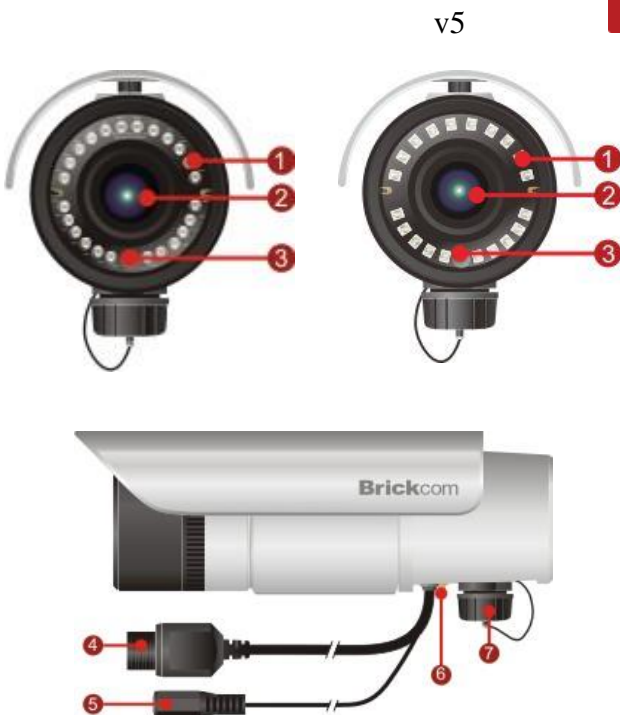
OB-500Ap Series

HDTV 1080p/720p • 5M/4M/3M/2M/1.3M Resolution Supported

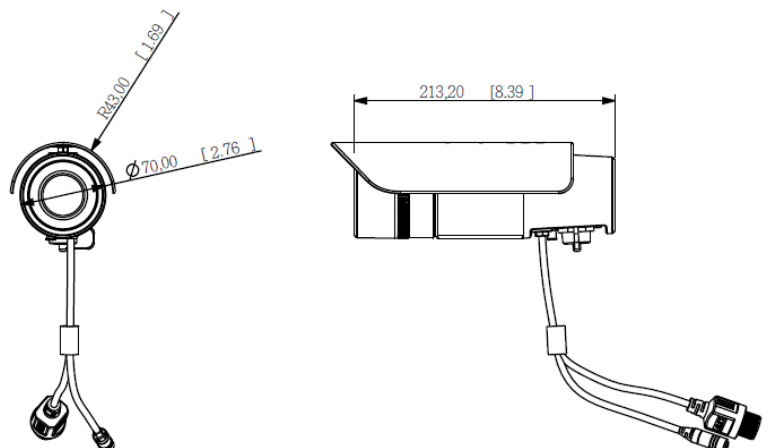
- Most Intelligent and Professional 5M Outdoor Bullet Camera
- HDTV Quality (Full HD 1080p @ 30fps Streaming)
- Intelligent Multi-Profile Sensor Management® for Different Environments
- Removable IR-cut Filter /Auto Light Sensor for Day and Night
- IP67 Outdoor Enclosure Built-in Fan (-40°C ~ 60°C) and Heater
- **SmartFocus**® to Ease the Zoom and Focus Adjustment Remotely (*)
*The feature is for OB-500Ap/OB-500ApV5 *
- **FocusEasy**™ to Ease the Focus Adjustment via the Buzzer for notification (*)
*The feature is for OB-502ApV5 *
- Varifocal Lens with FocusEasy™ (*)
*The feature is for OB-502ApV5 *
- Built-in 3G module and SIM slot for Wireless Connectivity (*)
The feature is for GOB-500Ap/GOB-500ApV5
- Built-in IR Illuminators, effective up to 25 Meters
- Two-way Audio/Built-in Micro SD/SDHC Memory Card Slot for Local Storage
- 1 DI/DO for External Alarm and Sensor Device



Photo Indication & Dimension Diagram



- 1 IR LED
- 2 LENS
- 3 Light Sensor
- 4 RJ45 Connector 1 (For Ethernet, 802.3at PoE and 802.3af PoE)
- 5 DC12V / AC24V Connector
- 6 Antenna Connector
- 7 RJ45 Connector 2 (For Audio in/out, RS485, DIDO)



Camera

Models	OB-500Ap/OB-500Ap V5: 5M, Motorized Lens OB-502Ap/OB-502Ap V5: 5M, Vari-Focal Lens WOB-500Ap/WOB-500Ap V5: 5M, Motorized Lens, Wireless GOB-500Ap/GOB-500Ap V5: 5M, Motorized Lens, 3G
Hardware System	CPU: 533 MHz Flash: 32M RAM: 256M DDR
Image Sensor	Sensor Type : 1/2.5" CMOS 5 Megapixel Sensor Sensor Resolution : 2592 x 1944 pixel
Lens	Lens Type: Board Lens Iris: F1.4 OB/WOB/GOB-500Ap: Focal Length: f=3~10.5mm View Angle: (H): 95°~33°/ (V): 70°~25°/ (D): 120°~41° OB-502Ap / OB-502Ap V5 & OB/WOB/GOB-500Ap V5: Focal Length: f=3.3~10.5mm Iris: F1.4 View Angle: (H): 90°~33°/ (V): 65°~25°/ (D): 115°~41°
Local Storage	Built-in Micro SD/SDHC/SDXC Memory Card Slot (Max. 64G)
Day & Night ICR	Triggered by Light sensor, Scheduling, Digital Input
IR Illuminators	Built -In IR Illuminators, OB/WOB/GOB-500Ap & OB-502Ap: effective up to 15 meters IR LED: 24pcs OB/WOB/GOB-500Ap V5 & OB-502Ap V5: effective up to 25 meters IR LED: 20pcs
Minimum Illumination	OB/WOB/GOB-500Ap: 0 Lux(IR ON,B/W) 0.01 Lux(IR OFF,B/W) 0.008Lux(F1.4,Color) OB -502Ap/ OB-502Ap V5 & OB/WOB/GOB-500Ap V5: 0 Lux(IR ON,B/W) 0.02 Lux(IR OFF,B/W) 0.01 Lux(F1.4,Color/)

Video

Compression Streaming	H.264 / MPEG4 / MJPEG Simultaneous multiple streams
Video Setting	Multi-Profile Image Management: Day/ Night/ Sunset/ User 1/ User 2 Auto Exposure/ Gain/ White Balance Control Manual Exposure Control: 1/20000~1/5s Manual Gain Control: 1X ~ 32X Manual White Balance Control:2000K~7000K
S/N Ratio	38.1 dB
Image Resolution	5M : 2592x1944 @ 10fps (5M supports MJPEG only) 4M : 2304x1728 @ 15fps 3M : 2048x1536 @ 18fps 2M (Full HD): 1920x1080 @ 30fps 1M (HDTV): 1280x720 @ 30fps

Events and Alarm Management

Events	Motion Detection/ Schedule/ Audio Detection/ Digital Input/ Temperature Alarm(*)/ Auto Focus Shift for Day & Night(**) *OB-500Ap V5/OB-502Ap V5 Only **OB-500Ap V5 Only
Alarm	Stream/Snapshot to FTP/Email/Samba/SD-Card HTTP/Email Notification/ Digital Output

Audio

Audio Streaming	2-way Audio Support
Audio Compression	G.711, AMR (8 kHz, Mono, PCM)
Audio Input/ Output	Line input (Unbalanced, 1.4 Vp-p, 1 Vrms) / Line output

General

Communication	Ethernet : one 10/100Mbps RJ-45 IEEE 802.11a/b/g/n compliance WOB-500Ap/WOB-500Ap V5 HSUPA/UMTS 850/1900/2100 GOB-500Ap/GOB-500Ap V5 Supported Protocols : TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP, RTCP, IPv6
Power Input	DC12V 1A / 802.3af PoE 802.3at PoE/ DC48V 0.8A AC 24V
Power Input/ Temperature/ Environment	Operating Temperature: DC12V 1A / 802.3af PoE: -20°C ~ 60°C (-4°F ~140°F) 802.3at PoE/ DC48V 0.8A: (build in fan and heater): -40°C ~ 60°C (-40°F ~140°F) Operating Humidity: 10% ~ 80%
Max. Power Consumption	OB-500Ap/WOB-500Ap/GOB-500Ap & OB-500Ap V5/WOB-500Ap V5/GOB-500Ap V5 9 Watts (DC12V 1A / 802.3af) 11 Watts (DC48V 0.8A/PoE 802.3at) OB-502Ap & OB-502Ap V5 7 Watts (DC12V 1A / 802.3af) 9 Watts (DC48V 0.8A/PoE 802.3at)
Dimension	70(D) * 166(H) mm
Weight	OB-500Ap/OB-502Ap & OB-500Ap V5/OB-502Ap V5 Net: 1100 g/2.43lb W/GOB-500Ap & W/GOB-500Ap V5 Net: 1150 g/2.54lb
Housing	Weather-proof (IP67)
Certification	FCC, CE
Viewing System Requirements	OS: Microsoft Windows 7/Vista/XP/2000/7 Browser: Mozilla Firefox, Internet Explorer 6/7 or above, Safari, Google Chrome Cell Phone: 3GPP player Real Player: 10.5 or above Quick Time: 6.6 or above VLC
Warranty	Limited 2-year warranty

OB-500A Series	OB-500Ap	WOB-500Ap	GOB-500Ap	OB-502Ap
Lens Type	Motorized-Len (SmartFocus®)	Motorized-Lens (SmartFocus®)	Motorized-Lens (SmartFocus®)	Vari-Focal-Lens
Wireless (11a/b/g/n dual band WiFi)	-	✓	-	-
3G/ 4G(WiMAX/LTE)	-	-	✓	-
Operating Temperature; Max. Power Consumption	-20°C ~ 60°C ; 10 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C; 22 Watts(DC48V 0.8A/PoE 802.3at)		-20°C ~ 60°C; 8 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C;20 Watts(DC48V 0.8A/PoE 802.3at)	

OB-500A Series	OB-500Ap V5	WOB-500Ap V5	GOB-500Ap V5	OB-502Ap V5
Lens Type	Motorized-Len (SmartFocus®)	Motorized-Lens (SmartFocus®)	Motorized-Lens (SmartFocus®)	Vari-Focal-Lens (FocusEasy™)
Wireless (11a/b/g/n dual band WiFi)	-	✓	-	-
3G/ 4G(WiMAX/LTE)	-	-	✓	-
Operating Temperature; Max. Power Consumption	-20°C ~ 60°C ; 10 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C; 22 Watts(DC48V 0.8A/PoE 802.3at)		-20°C ~ 60°C; 8 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C;20 Watts(DC48V 0.8A/PoE 802.3at)	

Work Best With

Camera Accessories Options



CI-812
Camera Bracket



GEM04-222008A
Wi-Fi Dual Band Omni Antenna



GEM07-15072A
3G Antenna

Network Equipment Options



GEM04-222060
Wi-Fi Dual Band Antenna



POE30U
High Power PoE Injector