

## 2 Megapixel Bullet Network Camera

OB-200A Series

HDTV 1080p/720p • 2M/1.3M Resolution Supported



- Most Intelligent and Professional 2M 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-200Ap/OB-200ApV5 \*
- **FocusEasy™** to Ease the Focus Adjustment via the Buzzer for notification (\*)  
\*The feature is for OB-202ApV5 \*
- Built-in 3G module and SIM slot for Wireless Connectivity (\*)  
\*The feature is for GOB-200Ap/ GOB-200ApV5 \*
- 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
- PoE(802.3at) / PoE(802.3af)/ DC12V(\*)/ AC24V(\*) Supported  
(\*V5 only)

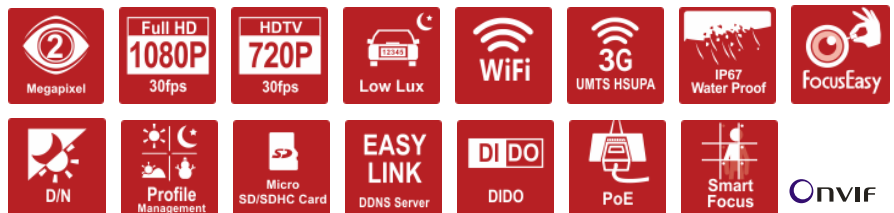
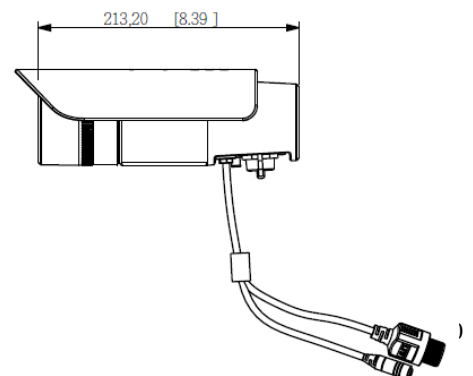
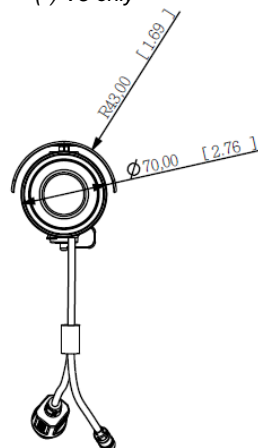


Photo Indication & Dimension Diagram

v5



- 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, DI/DO)
- (\*) V5 only



Camera	
<b>Models</b>	<b>OB-200Ap/OB-200Ap V5:</b> 2M, Motorized Lens <b>OB-202Ap/OB-202Ap V5:</b> 2M, Vari-Focal Lens <b>WOB-200Ap/WOB-200Ap V5:</b> 2M, Motorized Lens, Wireless <b>GOB-200Ap/GOB-200Ap V5:</b> 2M, Motorized Lens, 3G
<b>Hardware System</b>	CPU: 533 MHz Flash: 32M RAM: 256M DDR
<b>Image Sensor</b>	Sensor Type : 1/2.5" CMOS Sensor Sensor Resolution : 1920 x 1080 pixel
<b>Lens</b>	Lens Type: Board Lens Iris: F1.4 <b>OB/WOB/GOB-200Ap :</b> Focal Length: f=3~10.5mm View Angle: Normal: (H): 69°~24°/ (V): 41°~14°/ (D): 79°~28° Ultra Wide: (H): 108°~35°/ (V): 55°~19°/ (D): 119°~40° <b>OB-202Ap /OB-202Ap V5/ OB/WOB/GOB-200Ap V5:</b> Focal Length: f=3.3~10.5mm View Angle: Normal: (H): 64°~24°/ (V): 36°~14°/ (D): 74°~28° Ultra Wide: (H): 106°~33°/ (V): 57°~18°/ (D): 120°~38°
<b>Local Storage</b>	Built-in Micro SD/SDHC/SDXC Max.64G Memory Card Slot
<b>Day &amp; Night ICR</b>	Triggered by Light sensor, Scheduling, Digital Input
<b>IR Illuminators</b>	Built -In IR Illuminators, <b>OB/WOB/GOB-200Ap &amp; OB-202Ap:</b> effective up to 15 meters IR LED: 24pcs <b>OB/WOB/GOB-200Ap V5 &amp; OB-202Ap V5:</b> effective up to 25 meters IR LED: 20pcs
<b>Minimum Illumination</b>	<b>OB/WOB/GOB-200A Series:</b> 0 Lux(IR ON,B/W) 0.01 Lux (IR OFF, B/W) 0.008 Lux(F1.4,Color) <b>OB-202Ap /OB-202Ap V5/ OB/WOB/GOB-200Ap V5:</b> Vari-Focal-Lens 0 Lux(IR ON,B/W) 0.01 Lux (IR OFF, B/W) 0.02 Lux(F1.4,Color)
Video	
<b>Compression Streaming</b>	H.264 / MPEG4 / MJPEG Simultaneous multiple streams
<b>Video Setting</b>	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
<b>S/N Ratio</b>	38.1dB
<b>Image Resolution</b>	<b>2M (Full HD):</b> 1920x1080 @ 30fps <b>1M (HDTV):</b> 1280x720 @ 30fps
Events and Alarm Management	
<b>Events</b>	Motion Detection/ Schedule/ Audio Detection/ Digital Input/ Temperature Alarm(*)/ Auto Focus Shift for Day & Night(**) *OB-200Ap V5/OB-202Ap V5 Only **OB-200Ap V5 Only
<b>Alarm</b>	Stream/Snapshot to FTP/Email/Samba/SD-Card HTTP/Email Notification/ Digital Output
Audio	
<b>Audio Streaming</b>	2-way Audio Support
<b>Audio Compression</b>	G.711, AMR (8 kHz, Mono, PCM)
<b>Audio Input/ Output</b>	Line input (Unbalanced, 1.4 Vp-p, 1 Vrms) / Line output
General	
<b>Communication</b>	Ethernet : one 10/100Mbps RJ-45 IEEE 802.11a/b/g/n compliance <b>WOB-200Ap/WOB-200Ap V5</b> HSUPA/UMTS 850/1900/2100 <b>GOB-200A/GOB-200Ap V5</b> Supported Protocols : TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP, RTCP, IPv6
<b>Power Input</b>	DC12V 1A / 802.3af PoE 802.3at PoE/ DC48V 0.8A AV24V
<b>Power Input/ Temperature/ Environment</b>	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%
<b>Max. Power Consumption</b>	<b>OB-200Ap/WOB-200Ap/GOB-200Ap &amp; OB-200Ap V5/WOB-200Ap V5/GOB-200Ap V5</b> 8.6 Watts (PoE 802.3af, IR on) 8.4 watts (PoE 802.3at, IR on) 16.3 Watts (PoE 802.3at, IR&Heater&Fan on) <b>OB-202Ap &amp; OB-202Ap V5</b> 8.6 Watts (PoE 802.3af, IR on) 8.4 Watts (PoE 802.3at, IR on) 16.3 Watts (PoE 802.3at, IR&Heater&Fan on)
<b>Dimension</b>	70(D) * 166(H) mm
<b>Weight</b>	<b>OB-200Ap/OB-202Ap &amp; OB-200Ap V5/OB-202Ap V5</b> Net: 1100 g/2.43lb <b>W/GOB-200Ap &amp; W/GOB-200Ap V5</b> Net: 1150 g/2.54lb
<b>Housing</b>	Weather-proof (IP67)
<b>Certification</b>	FCC, CE
<b>Viewing System Requirements</b>	OS: Microsoft Windows 7/Vista/XP/2000 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
<b>Warranty</b>	Limited 2-year warranty

OB-200A Series	OB-200Ap	WOB-200Ap	GOB-200Ap	OB-202Ap
Lens Type	Motorized-Lens ( 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-200A Series	OB-200Ap V5	WOB-200Ap V5	GOB-200Ap V5	OB-202Ap V5
Lens Type	Motorized-Lens ( 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

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