

3 Megapixel Bullet Network Camera

OB-300A Series

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



- Most Intelligent and Professional 3M 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-300Ap/OB-300ApV5 *
 - **FocusEasy™** to Ease the Focus Adjustment via the Buzzer for notification (*)
*The feature is for OB-302ApV5 *
 - Built-in 3G module and SIM slot for Wireless Connectivity
 - 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

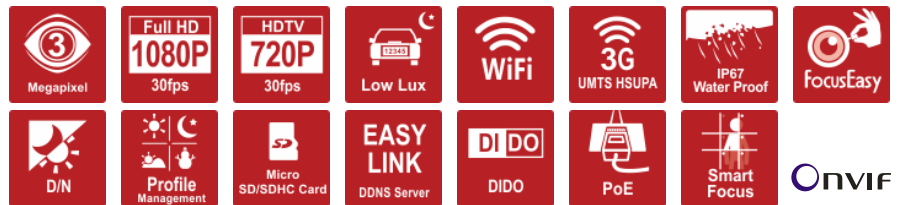


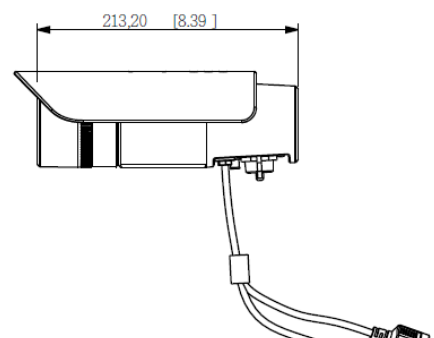
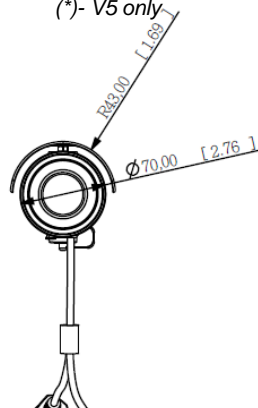
Photo Indication & Dimension Diagram

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, D/IDO)

(*)- V5 only



*OB-300Ap/302Ap V5 G/WOB-300Ap V5 Available date: 2014 Q1 (JAN)

Camera	
Models	OB-300Ap/OB-300Ap V5: 3M, Motorized Lens OB-302Ap/OB-302Ap V5: 3M, Vari-Focal Lens WOB-300Ap/WOB-300Ap V5: 3M, Motorized Lens, Wireless GOB-300Ap/GOB-300Ap V5: 3M, Motorized Lens, 3G
Hardware System	CPU: 533 MHz Flash: 32M RAM: 256M DDR
Image Sensor	Sensor Type : 1/2.5" CMOS Sensor Sensor Resolution : 2048 x 1536 pixel
Lens	Lens Type: Board Lens Iris: F1.4 OB/WOB/GOB-300Ap : Focal Length: f=3~10.5mm View Angle: Normal(H): 70°~26°/ (V):51°~20°/ (D): 88°~32° Ultra wide(H): 107°~33°/ (V):77°~22°/ (D):114°~41° OB-302Ap / OB-302Ap V5 & OB/WOB/GOB-300Ap V5: Focal Length: f=3.3~10.5mm View Angle: Normal (H): 70°~26°/ (V): 51°~20°/ (D): 88°~32° Ultra wide(H):107°~33°/ (V):77°~22°/ (D): 114°~41°
Local Storage	Built-in Micro SD/SDHC/SDXC Max.64G Memory Card Slot
Day & Night ICR	Triggered by Light sensor, Scheduling, Digital Input
IR Illuminators	Built-In IR Illuminators, OB/WOB/GOB-300Ap & OB-302Ap: effective up to 15 meters IR LED: 24pcs OB/WOB/GOB-300Ap V5 & OB-302Ap V5: effective up to 25 meters IR LED: 20pcs
Minimum Illumination	OB/WOB/GOB-300Ap : 0 Lux(IR ON ,B/W) 0.008 Lux(IR OFF ,B/W) 0.01 Lux (F1.4,Color) OB-302Ap / OB-302Ap V5 & OB/WOB/GOB-300Ap V5: 0 Lux(IR ON ,B/W) 0.001 Lux(IR OFF ,B/W) 0.002 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	38.1Db
Image Resolution	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-300Ap V5/OB-32Ap V5 Only **OB-300Ap 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-300Ap/WOB-300Ap V5 HSUPA/UMTS 850/1900/2100 GOB-300A/GOB-300Ap 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 AC24V
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-300Ap/WOB-300Ap/GOB-300Ap & OB-300Ap V5/WOB-300Ap V5/GOB-300Ap V5 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) OB-302Ap & OB-302Ap V5 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)
Dimension	70(D) * 166(H) mm
Weight	OB-300Ap/OB-302Ap & OB-300Ap V5/OB-302Ap V5 Net: 1100 g/2.43lb W/GOB-302Ap & W/GOB-302Ap V5 Net: 1150 g/2.54lb
Housing	Weather-proof (IP67)
Certification	FCC, CE
Viewing System Requirements	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
Warranty	Limited 2-year warranty

OB-300A Series	OB-300Ap	WOB-300Ap	GOB-300Ap	OB-302Ap
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 (DC12V 1A / 802.3af) -40°C ~ 60°C (DC48V 0.8A/PoE 802.3at)		-20°C ~ 60°C (DC12V 1A / 802.3af) -40°C ~ 60°C (DC48V 0.8A/PoE 802.3at)	

OB-300A Series	OB-300Ap V5	WOB-300Ap V5	GOB-300Ap V5	OB-302Ap 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