Datasheet

INB816Z-RWTA

8 Megapixel WDR Bullet Camera, Color Night Vision with Audio

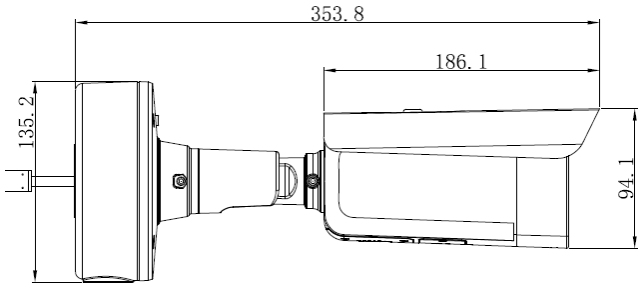
Infinique offers a wide range of IP based high definition cameras available in various housing formats, including Box, Dome and Bullet. Our cameras are equipped with superior image sensor and digital signal processor to produce sharp, crisp pictures and are enclosed in weather and vandal resistant housings making it suitable for use in all security applications. The ONVIF compliance of the cameras helps in easy integration, providing peace of mind for your investment. From small to very large installations, Infinique's cameras are reliable, future proof and an ideal solution for your video surveillance needs.

The INB816Z-RWTA is a 8 Megapixel IP IR bullet camera incorporating a 1/2.8" high quality image sensor and has a 120dB wide dynamic range providing sharp images and ability to capture license plate number of vehicles moving at high speed. It's powerful array LEDs providing clear crisp images during the night for a distance of up to 35 meters.

The camera comes equipped with a 5~50mm motorized lens with remote zoom and focus for easy setup of field of view. Auto Iris control allows the camera to automatically set its iris position to maximize image quality in all lighting conditions. The camera streams real-time video at high definition resolution using H.265 or H.264 compression optimizing the bandwidth and increasing storage efficiency.

Built-in PoE for powering the camera and the concealed cable bracket for fixing it on ceiling or wall, provides the convenience for installers to complete the installation quickly and with ease. These excellent IP cameras are highly suitable for video surveillance of government buildings, residential apartments, schools, colleges, universities, shopping malls, hospitals, hotels, industrial parks, corporate offices and also Vehicle License Plate Recognition (LPR) applications such as to manage entry and exit of vehicles and parking management.

Dimensions



Product Features

- 1/2.8" Progressive Scan CMOS Image Sensor
- 8 Megapixel Resolution at 25/30 fps
- License Plate Recognition
- Supports Warm Light and IR; Default Warm Light
- Distance: IR 80 meters; Warm Light 25 meters
- Color images in dark with Warm Light On
- 5~50mm Motorized Zoom Lens
- 120dB True WDR
- H.265, H.264 Compression
- Built-in MIC and Speaker
- Up to 3 Simultaneous Video Streams
- Composite Video Output
- Micro SD Card Slot for Onboard Storage
- Power Over Ethernet (PoE), IEEE 802.3af/at
- Vandal Proof Aluminum Alloy Housing
- IP67 and IK10 Rated
- Wall or Ceiling mount with Concealed Cable Bracket
- ONVIF Compliant

Accessories

Part Number: IJBBWM-134
Wall Mount Junction Box

Part Number: IJBBCM-134
Ceiling Mount Junction Box

Part No: IBKTCM
Pendant Ceiling Bracket

Part No: IBBCPM
Pole Mount Bracket

Part No: IBCRWM
Corner Mount Bracket

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IMAGE PERFORMANCE	
Image Sensor	1/2.8" Progressive CMOS
Effective Pixels (H x V)	3840 × 2160
Resolution (Megapixels)	8
Minimum Illumination	Color 0.0008 lux (F1.7, AGC ON); B&W 0 lux with IR ON
Image Rate (fps)	30
S/N Ratio	More than 50dB
IR Distance (m)	80
Warm Light Distance (m)	25
LENS	
Focal Length (mm)	5~50 Motorized Zoom Lens
Iris	Precise Iris (P-Iris)
Aperture Ratio	F1.47
Angle of View (deg)	H:111 (W)~40 (T), V:57 (W)~22 (T), D:137 (W)~46 (T)
VIDEO AND AUDIO	
Video Compression	H.265 Main Profile H.264 Baseline Profile/Main Profile/High Profile
Main Stream	3840x2160, 3072x1728, 2592×1944, 2592x1520, 2304x1296, 1920x1080, 1280x720
Sub Stream	1920x1080, 1280x720, 640x480
Mobile Stream	640x480, 320x240
Electronic Shutter Control	1/5 ~ 1/20000
Day/Night Control	Automatic / Manual
Flicker Control	50 Hz, 60 Hz
WDR Type	True WDR, 120dB, On / Off / Adjustable Level
3D Noise Reduction	Auto / Manual / Disable
White Balance	Auto / Manual / Indoor
Back Light Compensation	On / Off
High Light Compensation	On / Off
Automatic Gain Control	Adjustable Level
Privacy Mask Zones	Up to 4 Privacy Mask Zones
Audio Input / Output	1 input and 1 output, 1 Built-in Microphone, Speaker
Video Output	BNC
RS-485	1 RS485 Interface
Alarm I/O	2CH Alarm Input,2CH Alarm Output
Video Bit rate	256Kbps~16Mbps, Supports CBR/VBR
OSD	Camera ID, Timestamp
Image Modes	Full Color, Day and Night, Smart Illumination
Image Orientation	Image Flip, Corridor Mode, Rotation
Image Controls	Brightness, Contrast, Hue, Saturation, Acu, Gamma
Advanced Functions	Image Rotation, Gain Control, Anti-Fog, Anti-False Color, Anti-Shake, IR Detection
VIDEO ANALYTICS	
Motion Detection	Multiple Zones
Advance Video Analytics	Tamper, Out Of Focus, Sound, Perimeter Intrusion, Line Crossing, Stationary Object, Vehicle and Pedestrian Detection, People Counting, Heat Map, Region Entry and Exit, Face Detection and Recognition

LOCAL STORAGE	
Storage Type	Micro SD Card up to 256GB, Cloud Storage support
Recording	Video and Image; Auto / Schedule/ Manual / On Event
NETWORK	
Network Port	10/100M BASE-TX, RJ-45 Connector
Cabling Type	Category 6 and higher
Network Protocol	IPv4, HTTP, HTTPS, TCP/IP, Unicast/Multicast, UDP, RTP, RTSP, RTCP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, SNMP, UPNP, IEEE802.1X
ONVIF Protocol	ONVIF Compliant
Security	User Access with password protection, IP Filtering
Users	1 Administrator, 6 Users
PC Web Browser	IE 6.0 Above; Mozilla Firefox; Google Chrome
Mobile Device	Windows Mobile, Symbian, iPhone, Android
Events	Motion Detection, Tamper Detection, Sensor
Event Handlers	E-mail, Cloud, Alarm Out
MECHANICAL	
Housing ID	V4BOMWH671080A1
Dimensions (mm)	135.2 (W) x 353.8(L) x 94.1 (H)
Weight (g)	1427
Housing	Vandal Resistant Aluminum Alloy Housing
Finish	White Powder Coat, RAL 9003 (Standard)
Installation	Ceiling Mount / Wall Mount, Concealed Cable Bracket
ELECTRICAL	
Power Consumption	12V DC, 8.42 Watts; PoE 48V, 10.29 Watts
Power Source	PoE IEEE802.3af/at; DC12V
Power Connector	DC Male Plug
RTC Backup Battery	3V Magnesium Lithium
ENVIRONMENTAL	
Operating Temperature (C)	-10° to +50° -10° to +60° when IR LEDs are off
Storage Temperature (C)	-20° to +60°
Operating Humidity	0% - 95% non condensing
Ingress Protection Rating	IP67
Impact Rating	IK10
STANDARDS COMPLIANCE	
Emissions	FCC Part 15 Subpart B Class B EN 55022:2010 IC ICES-003 Class B
Immunity	EN 55024:2010
Safety	UL 609501, EU: 2001/95/EC GPSD

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
INB816Z-RWTA	Infinique Premium Series IR Bullet Camera, 8MP, 25/30fps, 5-50mm Motorized Zoom Lens, 80m IR Range, H.265, H.264, Three Streams, WDR, TDN, Color Night Vision, Built-in MIC and Speaker, Adjustable Bit Rate, ONVIF Compliant, Composite Video Out, SDHC Slot, PoE, IP67, IK10
IJBBWM-134	Infinique Wall Mount Junction Box, Base Diameter 134.3 mm
IJBBCM-134	Infinique Ceiling Mount Junction Box, Base Diameter 134.3 mm
IBKTCM	Infinique Pendant Mount Ceiling Bracket, 45 (D) x 294 (H) mm
IBBCPM	Infinique Pole Mount Bracket with Metal Ties, 125 (L) x 46 (W) x 200 (H) mm
IBCRWM	Infinique Corner Mount Bracket, 200 (L) x 130 (W) x 172.8 (D) mm

Product specification, design and availability subject to change without prior notice.

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Housing Accessories

WALL MOUNT APPLICATION

Junction Box
IJBBWM-134

CEILING MOUNT APPLICATION

Junction Box
IJBBCM-134

PENDANT MOUNT APPLICATION

Ceiling Bracket
IBKTCM

Junction Box
IJBBCM-134

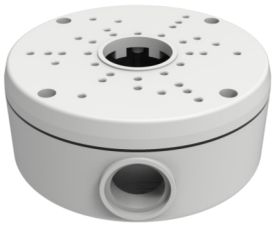
POLE MOUNT APPLICATION

Pole Bracket
IBBCPM

Junction Box
IJBBWM-134

CORNER MOUNT APPLICATION

Corner Bracket
IBCRWM



Junction Box
IJBBWM-134

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Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.

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