

ambicam™



## PRODUCT OBJECTIVES

Keeping in mind the need of technology and a proper surveillance activities for the safety of the society and economy, AmbiCam here have come up with its very new product call AmbiCam which can be successfully implemented in various sectors and departments for better safety and surveillance of each and every activities around.

Hence, AmbiCam proposes a premium monitoring experience from anywhere and anytime. You can easily Plug and play AmbiCam with online video feed, with a very simple three steps setup. Perfect to keep an eye with potential security risks Allow access control logic and remote monitoring regardless of location. Our Cloud Base video recording system allows you to capture every single movements of your past, days or week. Record your clips and share it with your loved ones also get an alert of the activities you care for.

Stream live videos and receive alerts in moment with advance features of AmbiCam.

## About AmbiCam

**Sharpen your senses:** you'll enjoy sharper video and incredible image detail.

**Simple to set up:** Just plug in your camera and launch the AmbiCam app on your phone. You'll be streaming video and receiving alerts in moments.

**Expand your field of view:** Up to 130° field of view, you can use one camera to capture an entire room without ever having to pan or zoom.

**Stream more smoothly:** Make the most of your Wi-Fi connection with the steady consistency of dual-band Audio.

**Get motion and sound alerts:** Get emails or push notifications instantly when motion and sound are detected.

**AmbiCam live from any device:** Enjoy free access to your live video from a computer, tablet or smartphone.

**Wherever you go:** Check in on what's important using your smartphone, tablet or computer — whether you're around the block or across the City.

**Talk back and reverse:** Communicate with people and pets using the built-in MIC and speaker.

## PROPOSED SERVICES

### **1. Home Monitoring**

Care for your family and home

Safety is your priority and monitoring is our legacy. Set your home safe with a price, that suits your budget and get the best live monitoring experience, better night vision and end to end communication just in one click on your mobile.

### **2. Secure your Business**

Protect your Business, Don't waste your investment on in-security. How do you align security with business goals while maintaining integrity and compliance is security from our ambicam. Track your customers through our camera setup from multiple locations for all your stores, restaurants, cafeterias using your smartphones and tablets.

### **3. Keep tabs on your kids**

our ambicam' s HD live streaming, two way talk and night vision features ensure that your little ones do not feel 'home alone'. Whether you are at home or outside, watch over your baby at any time from any place.

### **4. Ensure your pet safety**

Now safeguard your pets and keep a third eye on every movement of your pets. You can now easily monitor and command them to stop any nuisance and let them know that they are on camera.

## FEATURES & FUNCTIONALITY

- The offered System/Solution is capable to store Video recording on Data centre Cloud.
- Day/Night Vision.
- Two way audio communication.
- Local storage.
- Local viewing utilizes zero internet when viewing from same network.
- Camera are wireless and with up to 130 degree wide angle. No requirement of DVR/ NVR.
- Auto Start and Auto off Facility.
- It is possible to remotely configure start and stop time.
- It is fully automatic and uninterrupted Cloud monitoring device.
- Proposed Device supports Live streaming at lower bandwidths obtained in a 2G network.
- Mobile view allows you to gain remote access and view from anywhere at any time.
- Low power consumption
- Free access to your live video from a computer, tablet or smartphone.
- Built in Motion Detection.
- Social Sharing option for your video clips.

## Architectural Diagram



**CAMERA SPECIFICATION:**

Model	AMBICAM Wi-Fi	AMBICAM PRO
<b>Hardware</b>		
Sensor	1.3 MP CMOS Low Lux	1.3 MP CMOS Low Lux
Lens	3.6 MM lens, 90 Degree View Angle	2.1 MM lens, 130 Degree View Angle
IR LED	12 IR LED, IR Distance 20 M	
Day/Night	Auto IR-CUT	
Min. Illumination	0.1lux; 0 lux with IR on	
Max S/N Ration	50db	
<b>Video</b>		
Compression	H.264	
Image	Main Stream: 1280x760@1-25fps Sub Stream: 640x480@1-25fps Mobile Stream: 320x240@1-25fps	
Display Resolution	1280x720	
Bit Rate	16 ~4096kbps, Supports CBR/VBR	
Image Control	Hue, saturation, brightness, contrast, exposure	
Auto Image	AE, AWB	
<b>Audio</b>		
Compression	AAC	
Talk Back	2 Way Talk back	
Bitrate	4Kbps	
<b>Network</b>		
PC Client and Browser	ISS, IE6.0 and above	
Mobile Phone	iPhone, iPad, Android	
WIFI Encryption	WAP, WAP2	
<b>Interface</b>		
WiFi	Wi-Fi with AP Mode	
<b>General</b>		
Working Temperature	-10°C ~ +55°C	
Working Humidity	0% - 90%	
Power Supply	5V/2A	
Power Consumption	Maximum 3w	
Dimensions	14 * 9 * 7.5cm	
Weight	0.5kg	
Approvals	CE, FCC, RoHS	

General	
Local Viewing	Utilize Zero internet when viewing from same network.
Zoom	4X Digital Zoom.
2 Way Talk	Talk with people with 1 tap of a button.
Stream Smoothly	The most of your Wi-Fi connection with the steady Consistency of dual-band radio.
Alerts	Emails or push notifications instantly when motion and sound are detected.
Live any Device	Free access to your live video from a computer, tablet or smartphone.

### [How much of my INTERNET Connection's bandwidth does ambicam video streaming use?](#)

Streaming video with AmbiCam varies depending on the Video quality you've set it to capture, how much activity it sees, Where you put the camera, and other factors. For most users who stream 720p video, AmbiCam will requires about 200 Kbps of your INTERNET connection's upload bandwidth on average. For Cloud recording subscribers whose video history is stored in the cloud, this is about 60GB of data per month for each AmbiCam.

**[Table 1. Typical upload bandwidth usage for an ambicam in Bitrate](#)**

ambicam Video	360p SD Resolution	720p HD Resolution
Monthly Min	20 Kbps	80 Kbps
Monthly Avg	60 Kbps	200 Kbps
Monthly Max	150 Kbps	500 Kbps

**[Table 2. Typical upload bandwidth usage for an ambicam in Gigabyte](#)**

ambicam Video setting	360p SD Resolution	720p HD Resolution
Monthly Min	9 GB	30 GB
Monthly Avg	18 GB	60 GB
Monthly Max	48 GB	160 GB

**[Table 3. Typical Storage in local recording in Days](#)**

SD Card Storage Consumption		
<b>8 GB</b>	SD Card	Up to 2 to 3 Days
<b>32 GB</b>	SD Card	Up to 8 to 12 Days

### **PRE-REQUISITES to use ambicam**

5V, 2A Power supply
Wi-Fi INTERNET ( make sure the authentication type is WPA/WPA2 )
SD Card ( Limit up to 32 GB, Strontium SD card recommended )
iOS 6.0 / ANDROID 4.0 and above Device

Product Images:

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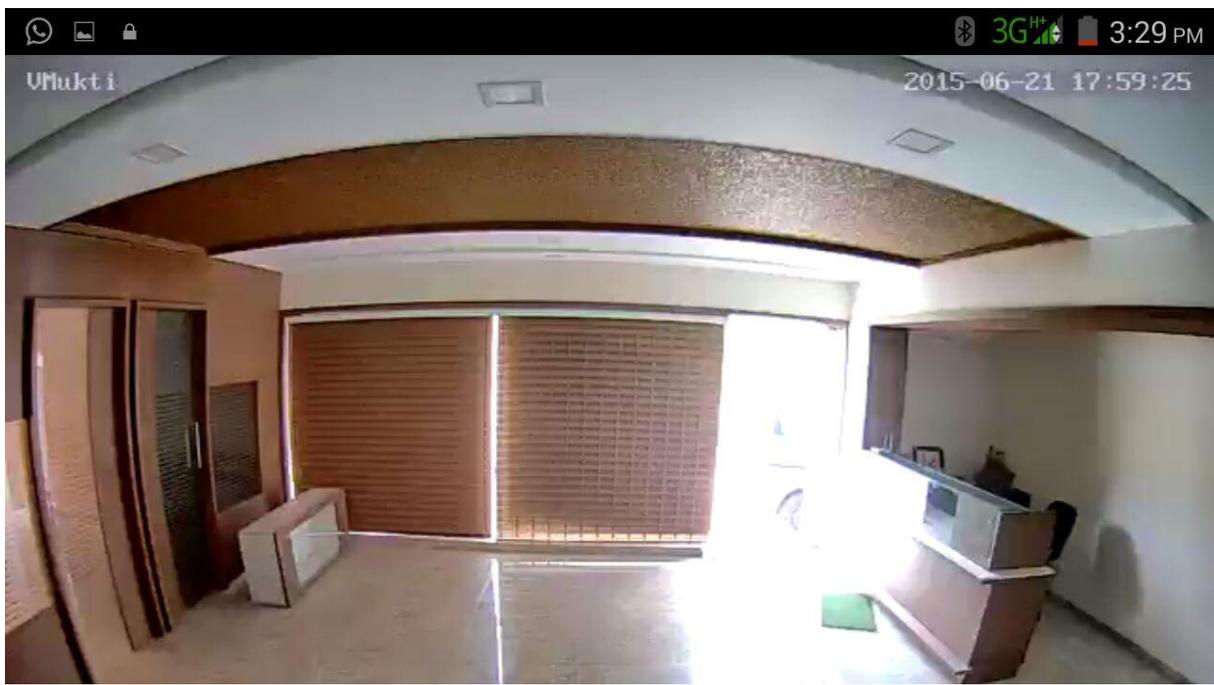
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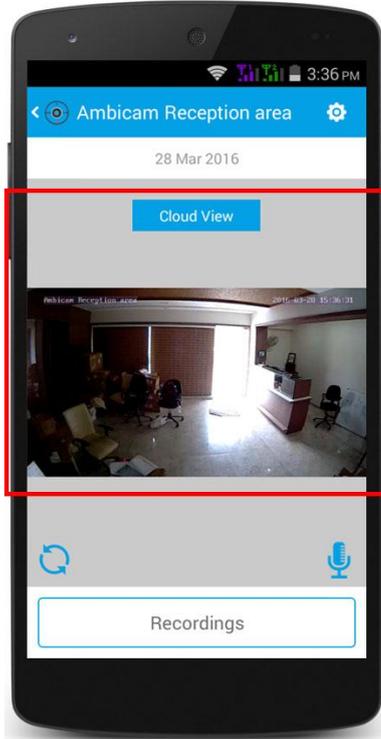


## Highlights



## Application Features

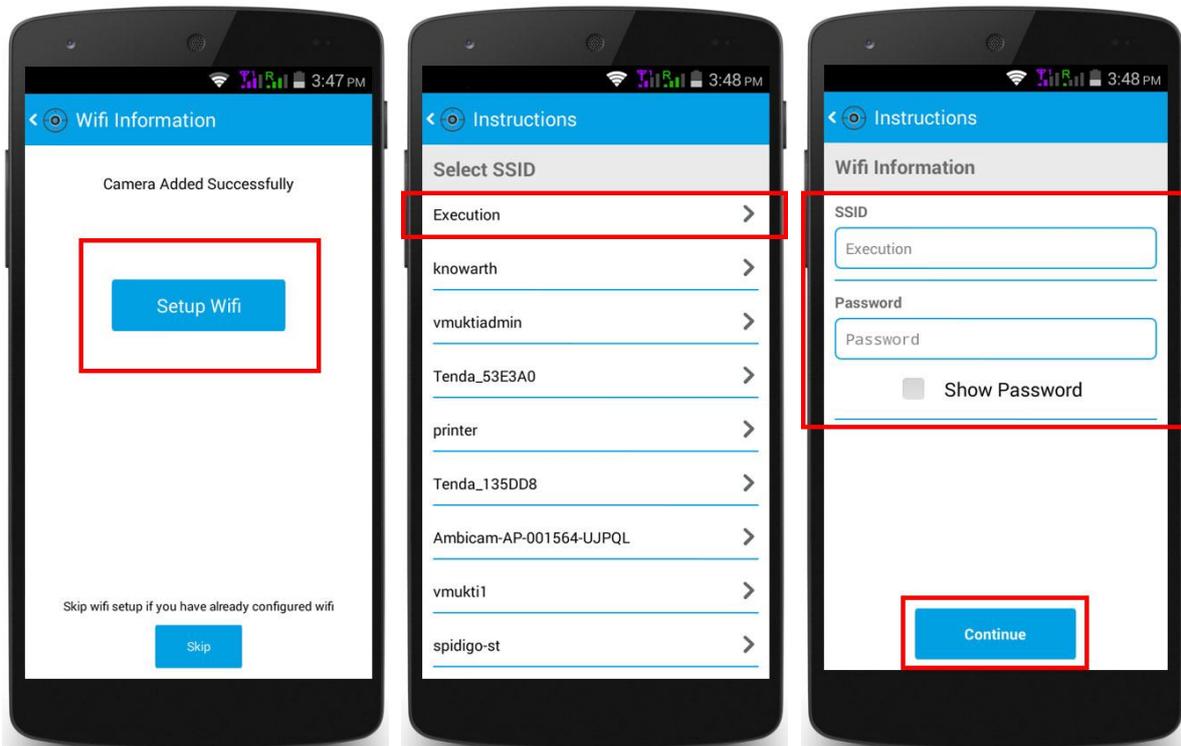
### 1. Easy Access of live view



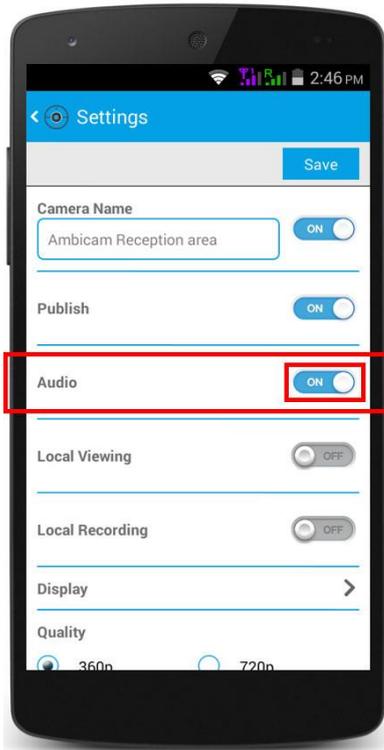
### 2. Easy add camera by QR scan



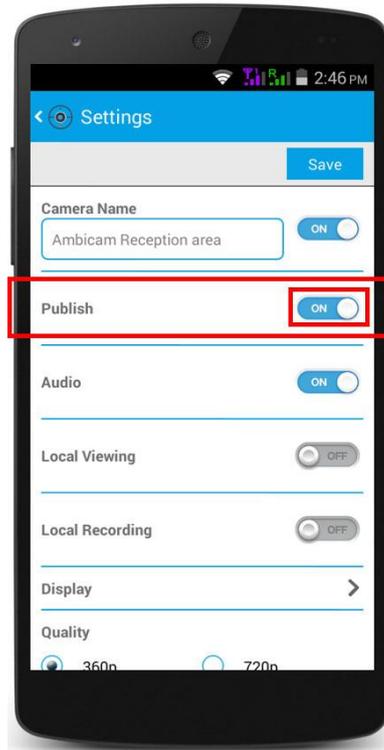
### 3. Smart auto Wi-Fi connect



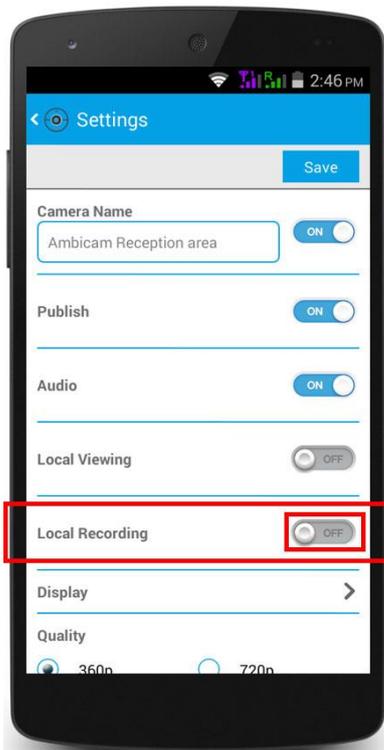
4. Audio on-off



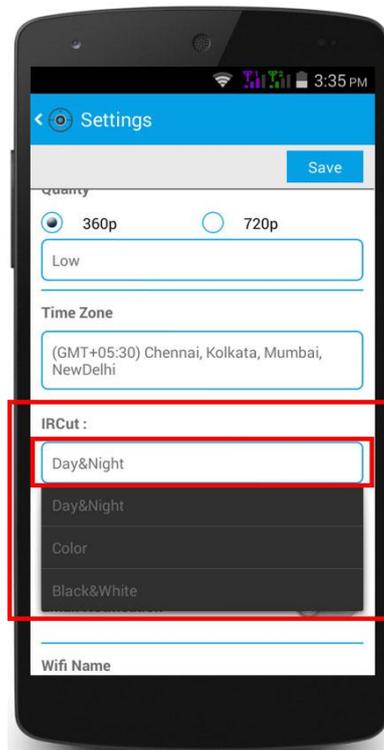
5. Bandwidth saver option (on/off publish camera)



6. Local Recording



7. IR filter with Day/Night vision control



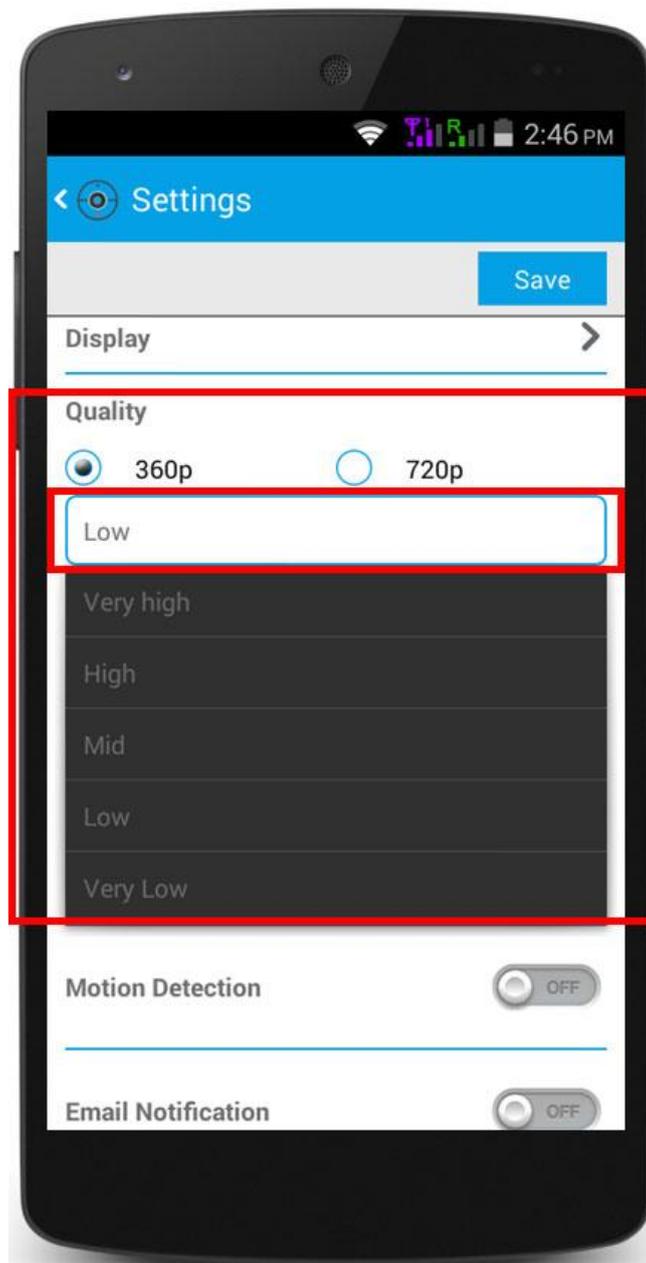
## 8. Video Quality adjustment according to available bandwidth

### SD Streaming

- 360 p – Very Low
- 360 p – Low
- 360 p – Mid
- 360 p – High
- 360 p – Very High

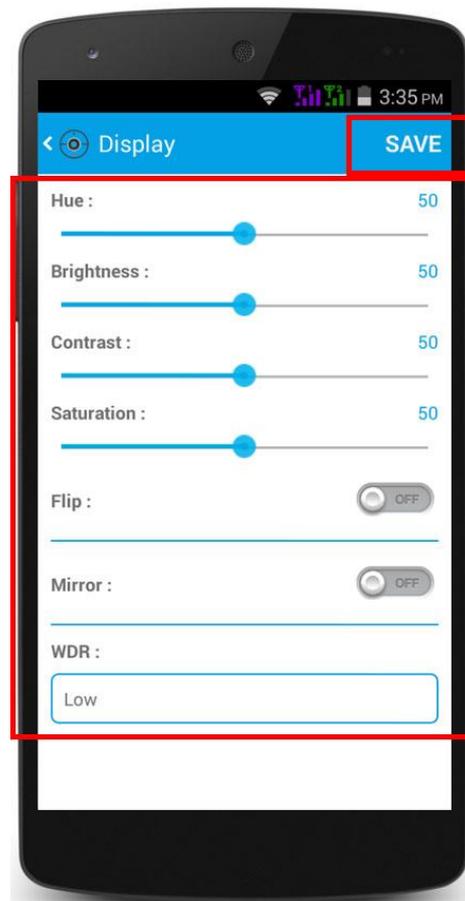
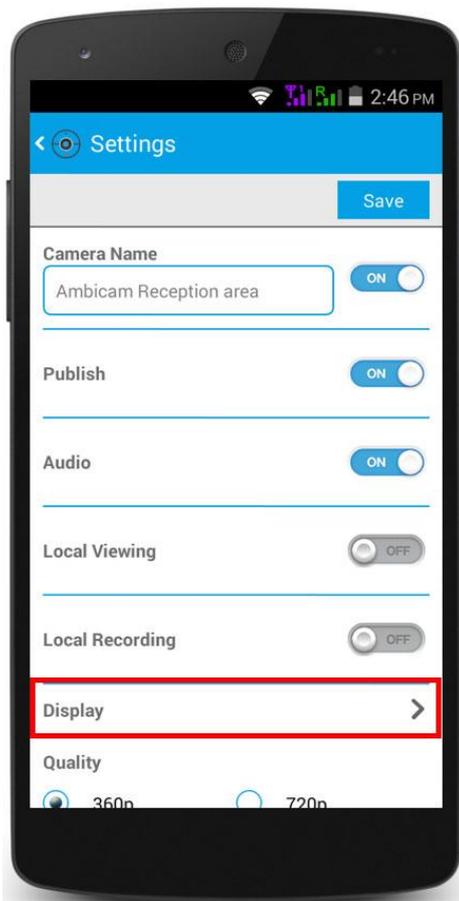
### HD Streaming

- 720 p – 1280x720



## 9. Camera view/display control

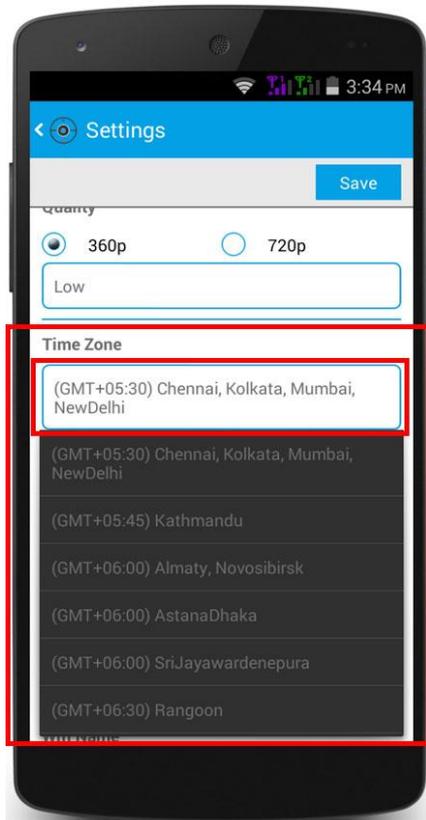
- Hue
- Brightness
- Contrast
- Saturation
- Flip
- Mirror
- WDR



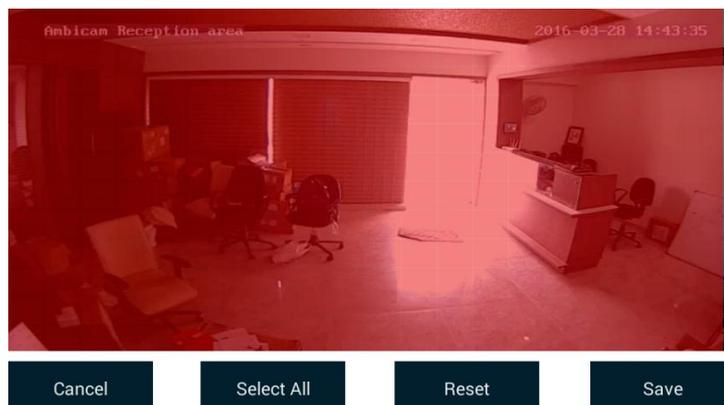
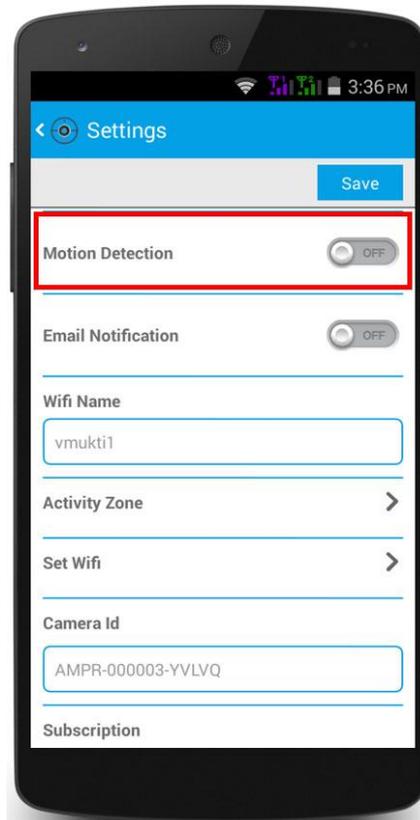
### 10. Digital Zoom



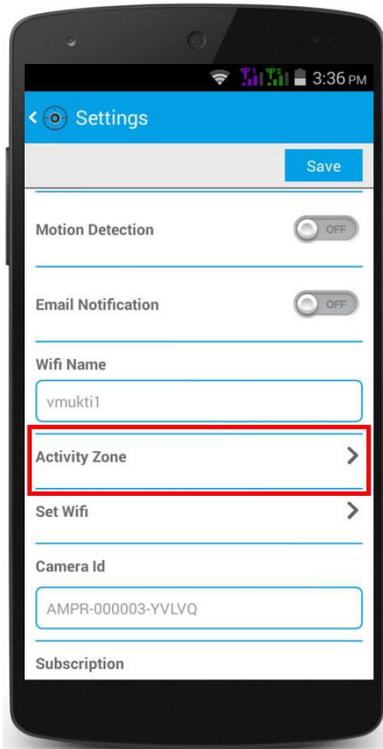
### 11. Auto time zone



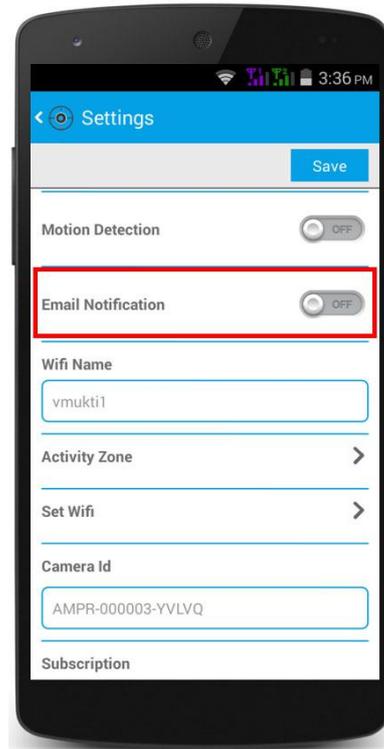
### 12. Motion detection alert



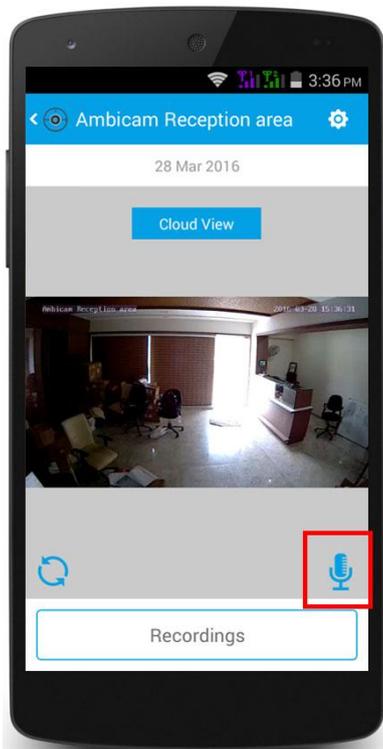
**13. Activity zone / selected area motion detection**



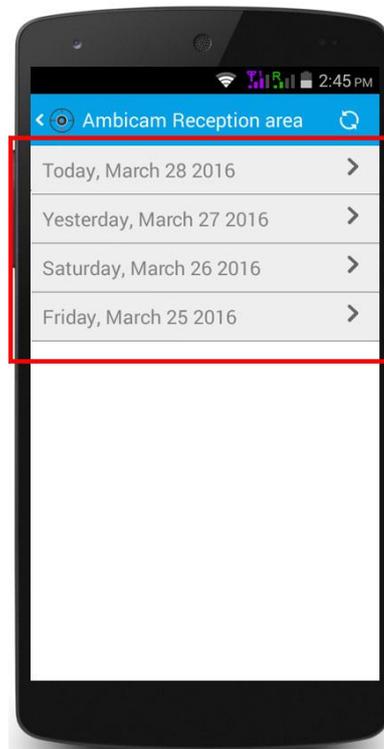
**14. Email notification**



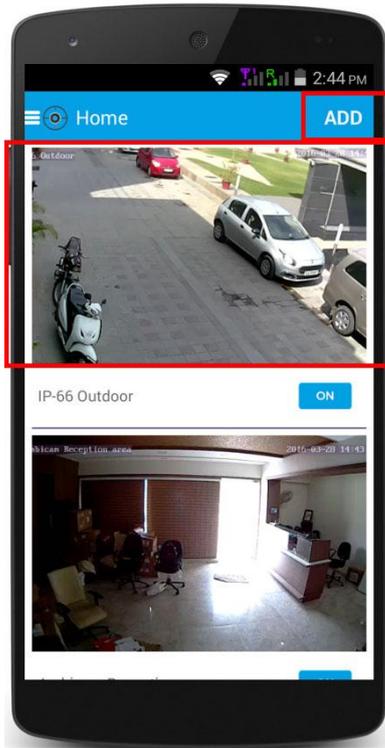
**15. Tow-way talk back functionality**



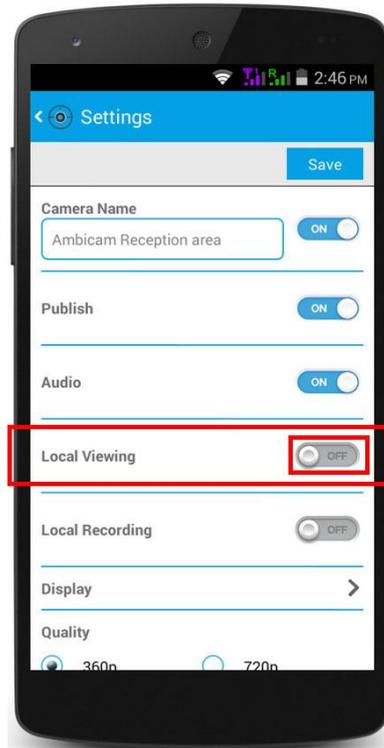
**16. Cloud archive access**



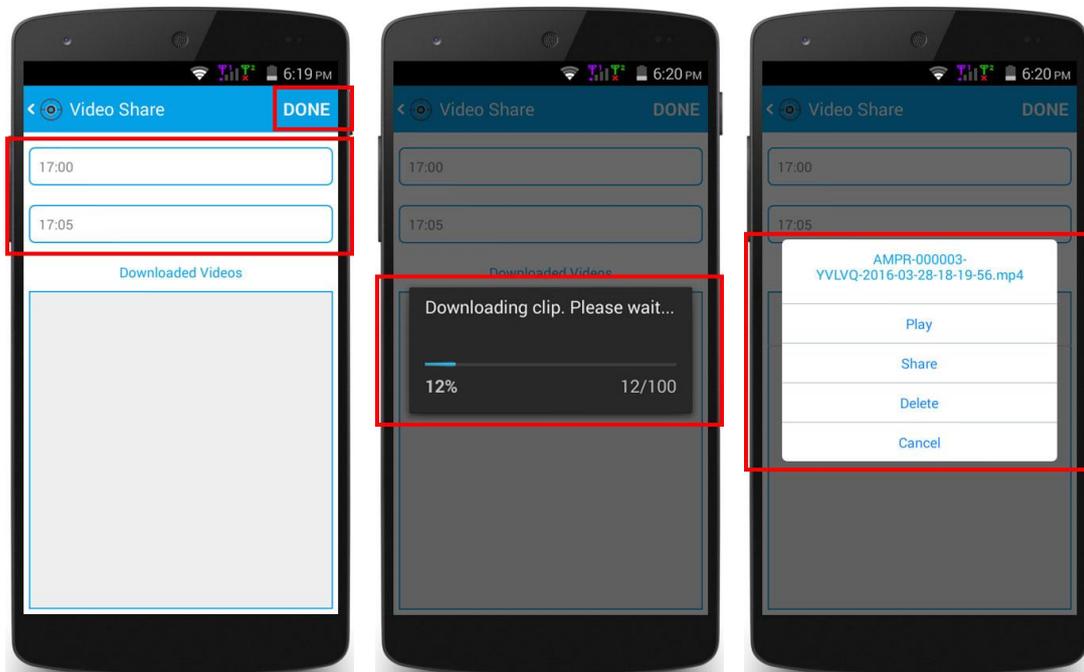
**17. Smart dashboard to view multiple camera in single account**



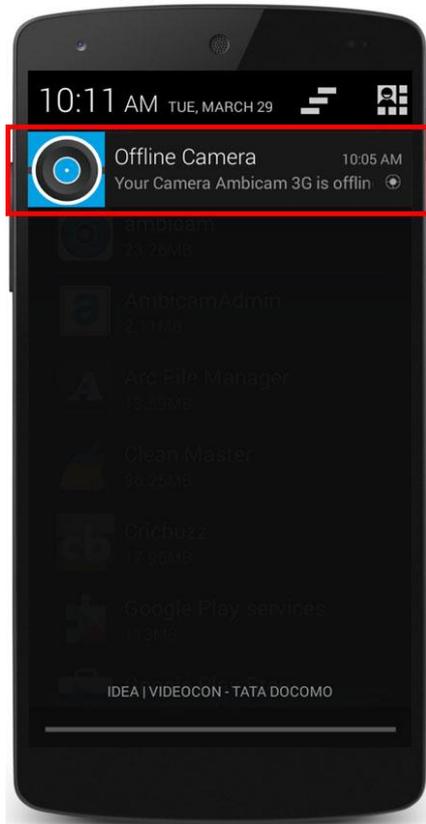
**18. Local Viewing: Utilize zero internet when viewing from same network.**



**19. Social Sharing for your video clips.**



**20. Get instant Alert when your camera is OFFLINE.**



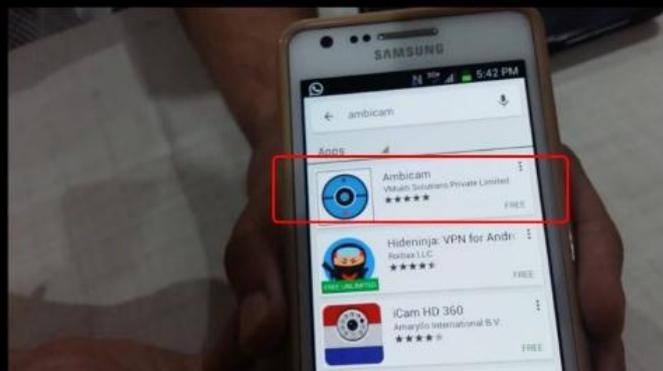
## Ambicam camera Setup Guide 1.0



Ambicam Camera Unboxing | camera + power adapter



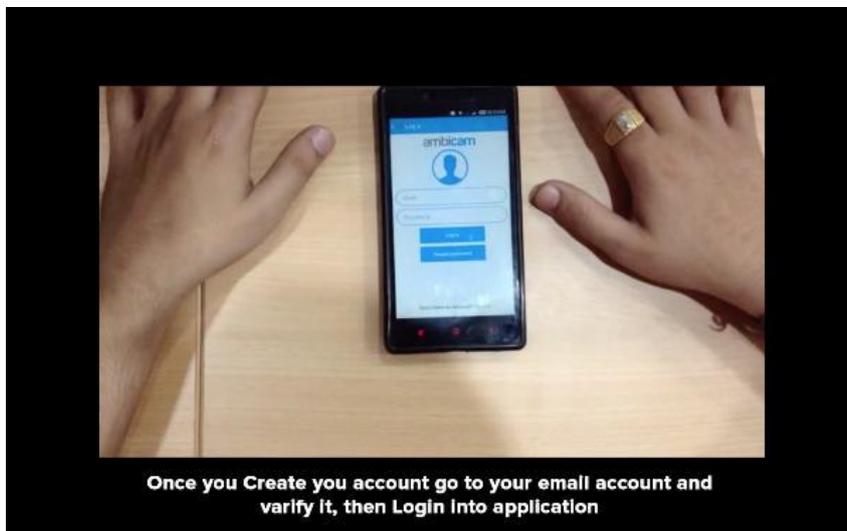
Connect camera with power adapter



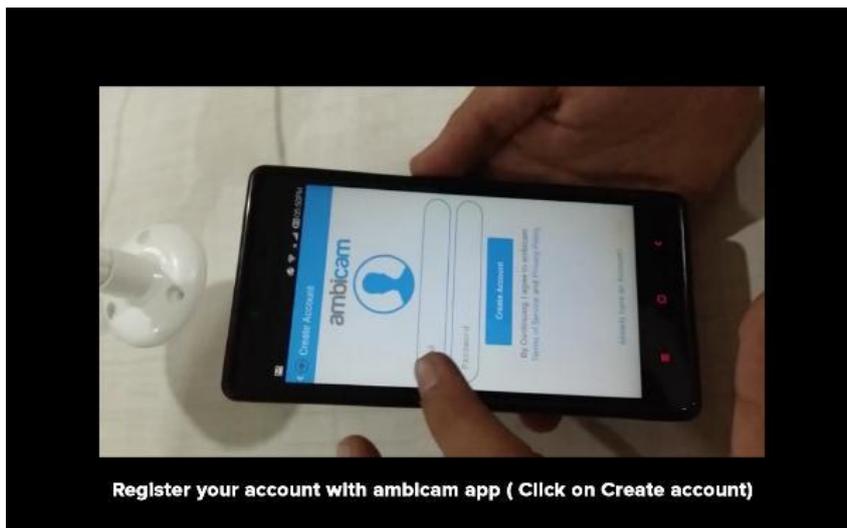
Download Ambicam Application from Google Play store



**Start Application Installed successfully on your mobile**



**Once you Create you account go to your email account and verify it, then Login Into application**



**Register your account with ambicam app ( Click on Create account)**



Once you add camera go to mobile hot spot and connect camera which is already there on list.



Once you login click on "+" button to add camera and scan QR code which is on camera



Now go to application and connect camera to wifi the instruction is on screen and connect it.



Match your camera number and wifi hotspot number and connect it



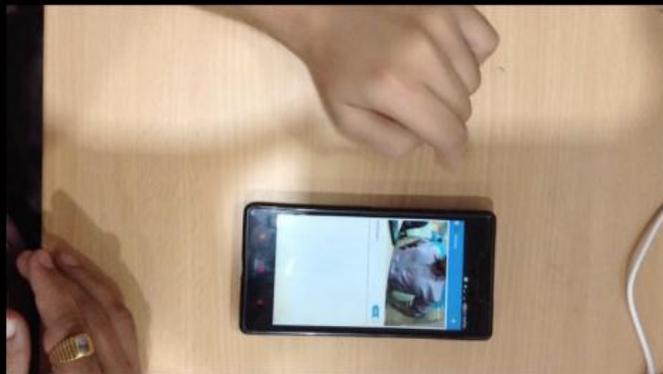
You can see the message on screen that camera connect successfully.



Here is list of wifi connection you need to connect with it.



Once you click on the thumbnail you can see your live video feed



Now you can see you configured camera on Home screen you need to click on thumbnail to view live feed.



You can also view your live video on smartphone as well laptop or computer.

## AMBICAM FAQ

**1. My camera blue light doesn't turn on, what should I do?**

Is your camera connected to power?

Please check the power cable!

**2. Which operating systems are supported?**

For, View in Browser – Flash enabled browser

**3. Which smartphones are supported?**

For, Application – ANDROID 4.0 and above,  
iOS 6.0 and above

**4. Can ambicam be used outdoors?**

ambicam is designed for indoor use only, but you can use in outdoor with protection against weather.

**5. I'm really interested in two-way talk and night vision. How do I get that?**

Good news! Two-way talk and night vision automatically come with the ambicam V 2.0. And it's live now.

**6. What happens after my 1 year recording subscription runs out?**

Your ambicam will still work! You just won't be able to record video over cloud, or access your recorded video clips in the cloud.

**7. What's your return policy?**

For more detail you can visit our return policy on our website return [policy link](#).

**8. I want ambicam Recording Services. Do I buy one for each camera?**

Yes. This is because each camera has its own video storage, which requires space in the cloud. Recording Services. After adding ambicam Recording Services to your first ambicam, you can watch you live feed over application and portal.

**9. I want multiple cameras, and I also want recording services. How do I do that?**

Yes, we recommend purchasing our cloud service option, then logging into your account and upgrading to the plan of your choice. You'll get the same ambicam Recording Services plan after camera #1!

**10. Can I have multiple cameras set up for one account?**

You can have as many AmbiCam's in your account as your bandwidth can support (each ambicam typically runs 1 Mbps of bandwidth). We generally recommend up to four per household. You can add multiple AmbiCam's to your ambicam account, give them each a name and view different feeds from your smartphone, tablet or computer.

**11. Can I have multiple cameras in different locations?**

Yes. As long as your cameras are under one account, you can place them in different locations (i.e. your home, business, vacation home, etc.) and access all of them by logging into your account via the ambicam mobile app on your smartphone, or on the web at ambicam.com. Ambicam just needs to be able to connect to a Wi-Fi network (each ambicam typically uses 150 Kbps of bandwidth).

**12. What do i get for my ambicam cloud subscription?**

Ambicam - smart cloud camera is flexible and smart. And so are our subscriptions: you can always upgrade or downgrade to any other subscription. See what suits you best and get the most out of your ambicam. So feel free to try out!

Visit the [cloud subscription page](#) for more info!

**13. When does my subscription period start?**

Ambicam wants you to use your subscription optimally. Therefore your subscription period will start, from the moment you add your ambicam to your account in the mobile app. So no days are wasted when ambicam is traveling to you.

**14. Can i get a free trial of ambicam?**

To get to know ambicam a little bit better, the ambicam subscription for watching ambicam is completely free! Your video feed will not save on cloud. While you add subscription to your camera you can see recorded feed.

**15. I did not receive any verification email, how do i solve this?**

If you didn't receive a verification e-mail please contact our support through [support@ambicam.com](mailto:support@ambicam.com).

**16. What kind of charging cable is included with ambicam?**

Your ambicam need power only with the official ambicam cables. If you use other cables we cannot guaranty that your ambicam will start.

**17. What are ambicam specifications?**

See ambicam [product page](#) for all the specifications.

**18. How can i use a SD card?**

Ambicam also supports local storage. If you are using a free account without cloud storage, you can easily store your videos on a SD card. In middle of the bottom part of the ambicam and insert your SD card, below to your charging pin. You can configure the recording in SD card with the mobile application.

**19. What kind of SD card is compatible with my ambicam?**

Ambicam is compatible with Standard SD card up to 32 GB.

**20. How does two-way audio work?**

Want to let your baby know not to worry? With the built-in microphone and speaker, you can ease your baby back to sleep. Ambicam includes both a built-in

microphone and speaker which allows you to communicate with your ambicam through your app.

**21. Will night vision (IR) work when ambicam looks through a window?**

IR won't work through windows. The IR sensor reflects in the window, which causes ambicam to get blinded. Please place your ambicam outside the window for optimal image quality.

**22. I've configured WiFi in ambicam but not able to see live feed / ambicam blue light is not stable.**

For, WiFi please check below things.

1. Special character that are not supported in WiFi SSID or Password are "&", "\", ",", ".".
2. In WiFi router, "Allow Guest login to see each other in my local network" must be checked.
3. Any WiFi must be not be hidden to configure in device
4. Your WiFi has INTERNET Connectivity

**23. Local Recording not working?**

- Make sure you have enable local recording option ON from CAMERA > SETTING.
- Make sure you have working SD card.
- If it doesn't work, remove the SD card then restart the camera and wait for 1 minute, Insert SD card again. Check after 15 to 20 minutes, you will find the recording inside.