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Reach yCat Wireless Portable Recording System User's Manual
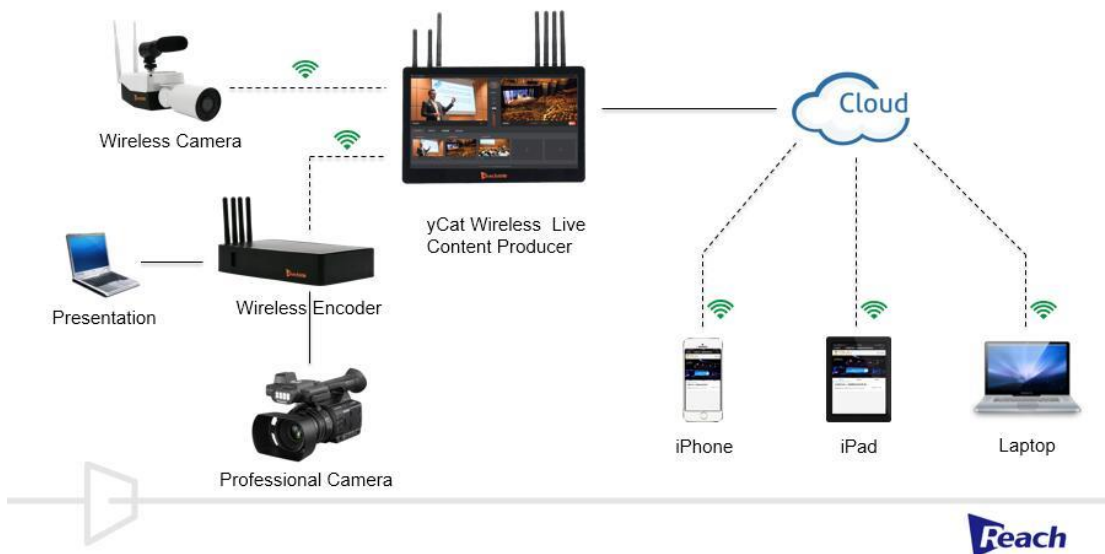
| Document version | V1.0 |
| Release date | 2018-07-11 |

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Contents

I. Hardware Description

1.1 The system structure diagram is as follows:

Descriptions of Structure Diagram:

yCat Wireless Portable Recording and Broadcasting System highly integrates many functions such as wireless network, wireless audio, battery, outdoor water-tightness and 4G wireless feature, solving the problems of live broadcasting and recording outdoor and shifting among different sites.

Panel Functions

The panel functions of the host YC300 of yCat Wireless Portable Recording and Broadcasting System are as shown in the following picture: (picture effect is subject to software version)

1	Preview Picture	2	Navigation Function
3	Resource Window	4	Special Effect & Audio Window
5	Output Picture		

1.2 Interface Functions

The interface functions of the host YC300 of yCat Wireless Portable Recording and Broadcasting System are as shown in the following picture:
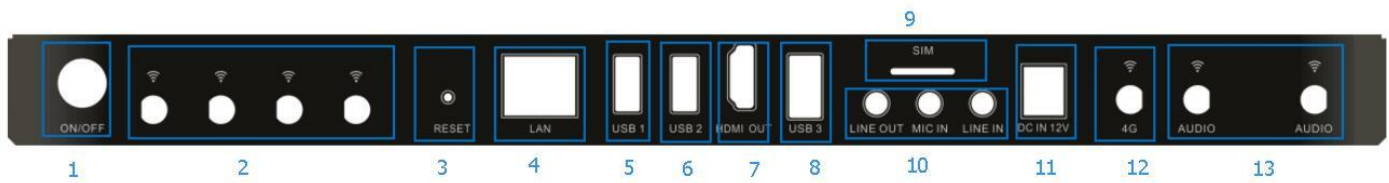
1	Power Switch	2	Wireless Video Antenna
3	Reset Button	4	LAN Port
5	USB2.0	6	USB2.0
7	HDMI OUT	8	USB3.0
9	SIM Card Slot	10	Audio Interface
11	Power Input	12	4G SIM Card Antenna
13	Wireless Audio Antenna		

II. Descriptions of Software Usage

2.1 Video Management
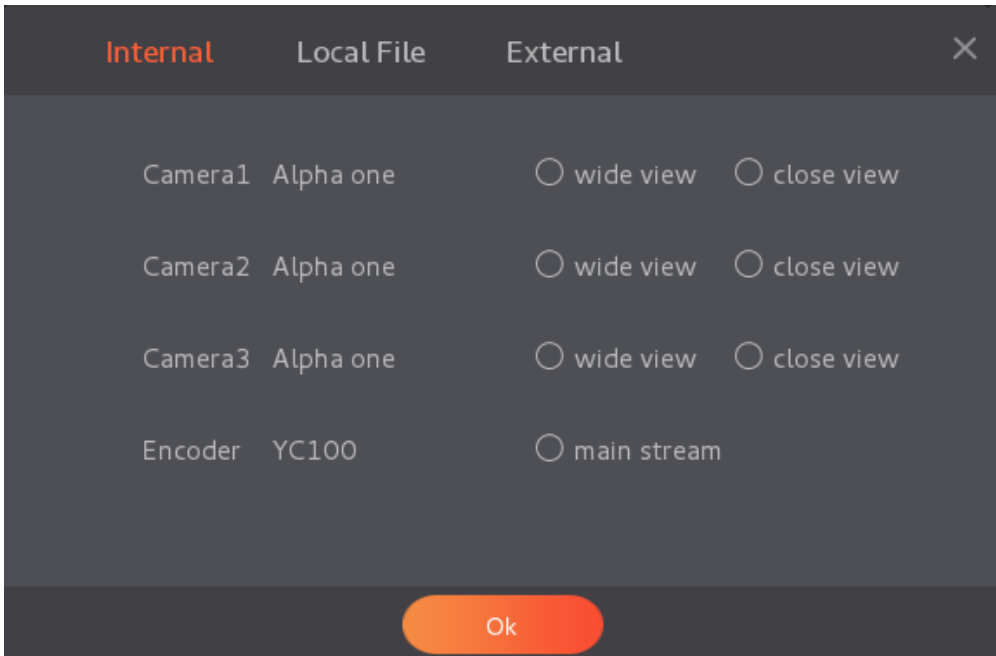
2.1.1 Internal Connection

For internal connection, directly click "Wide Angle" or "Close-Up" to connect the video stream of IP camera

directly, but it is required to set the address of internal connection in advance (System Setting – Internal
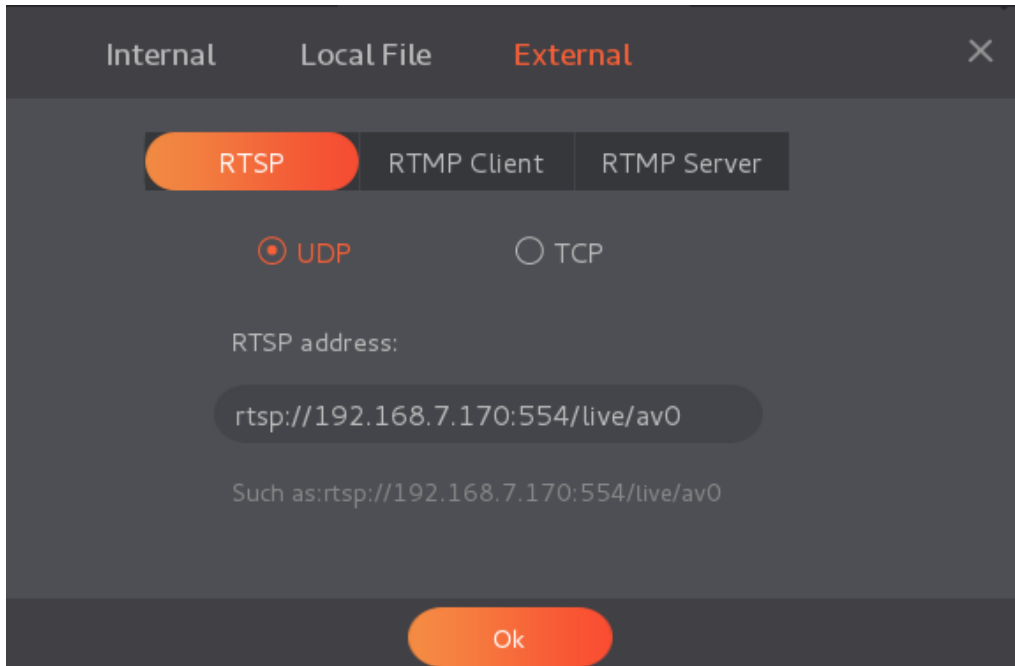
Connection – Input IP)

Wide Angle: The panoramic video stream of channel 1 of the camera; it is available to move PTZ

Close-Up: The close-up video stream of channel 2 of the camera; it is available to move PTZ, zoom in/out.

2.1.2 Local Files

Mainly to add video files to the system; currently support MP4 document and do not support picture and PPT

2.1.3 External Connection

RTSP connection: To receive RTSP video stream from device or network

RTMP pull flow: To receive RTMP stream from the third party platform or device; it is currently used for the

access of UAV and the access of exercise intensity and heart rate data.

RTMP pull flow: Not available temporarily

2.2 Subtitle & Station Caption
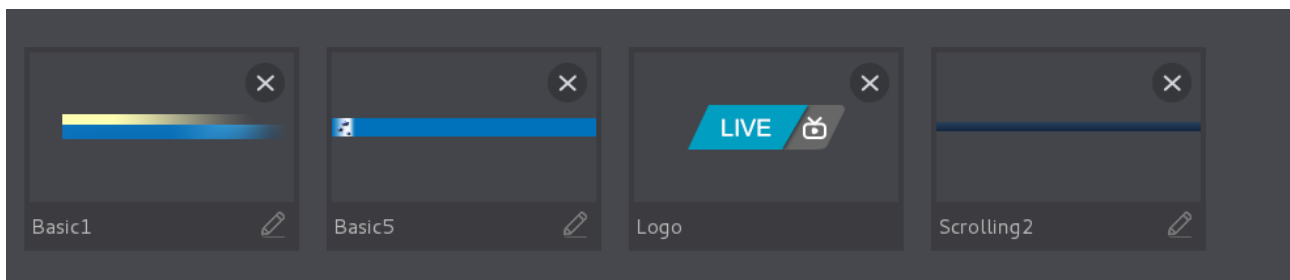
Click "Add" at the right top corner to add ordinary subtitle, rolling subtitle, and station caption

Notes:

①　Several ordinary subtitles and rolling subtitles can be added, but only one can be applied to output window at one time.

②　The subtitle can be dragged by mouse.

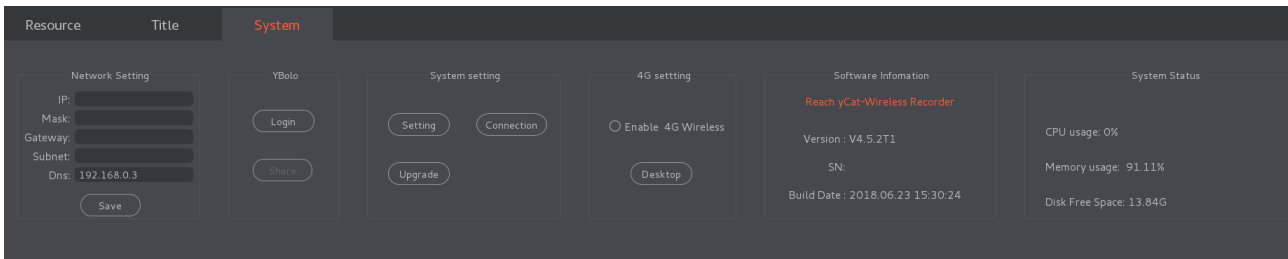③ Click to apply or cancel

2.3 System Setting

2.3.1 Network Setting:

To modify the IP address of host

Notes:

① Sub-net can be considered as the second IP of the host, generally set at different network segments.

② IP will become valid only after restart of the host.

2.3.2 yBolo Cloud Platform Assess:

It is only for users with a live account. You can log in here to background page to manage the corresponding channel information.

Notes:

① The account here does not refer to the ordinary yBolo background management account. To use it, please bind a live broadcast address in the background now.

2.3.3 System Setting:

Setting: set the pull flow code rate, server information

Notes:

① The recording resolution and code rate is 1920*1080 by default.

2.3.4 Enable 4G Card:

It is used to enable the 4G card, which once enabled, the 4G sign on the top right corner will turn green.

2.3.5 Show Desktop:

Back to yShell desktop

III. Wireless Audio

3.1 Preparation for Use of Wireless Mic

Preparation Work 1:

Install wireless audio antenna on the host

Preparation Work 2:

Make sure there is sufficient battery power, and the collar clip-on Mic and transmission are properly installed with antenna.

3.2 Wireless Collar Clip-on Mic

1. The switch at the bottom of the side is power switch.

2. Vol+/-

Vol-: press left key to reduce the volume (max: 8, mute: 0)

Vol+: press right key to increase the volume

3. CH +/-

CH +: press up key to add the channel (channel range 1~40, totally 40 channels).

CH -: press down key to reduce the channel

4. The interface shows the battery level, region (for channel), and volume.

5. The 890MAH battery can work normally for 2.5 hours at the working current of 310mA. The charging voltage is 5V, and charging port is mini USB interface. It takes 3 hours to be fully charged.

3.3 Wireless Handheld Mic

The default wireless channel of handheld Mic is channel 1. It will automatically pair with the host once it is started. No setting is required. (The frequency band of the host of some batches shall be set to channel 2, and that of the handheld Mic shall be set to channel 1)

3.4 Mixer Transmitter
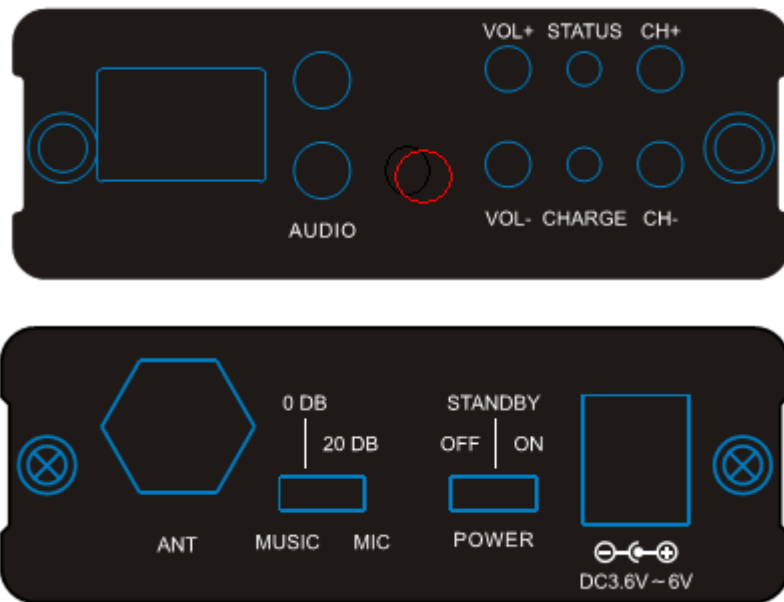
1. ANT is the antenna interface, and the attached antenna is bending antenna. Toggle key of MUSIC and MIC is not used. POWER is the power switch: to power on/off. DC3.6V~6V is the power input.

2. Boot display: channel in use before power off last time is shown after power on (channel 1 is shown for the first time of booting). Green LED is normally on.

3. The red circle indicates the MIC input, and for temporary processing, it is only limited to sample. The delivery products directly use AUDIO as MIC input. The samples use AUDIO as output.

4. Vol+/-

   Volume Up: press VOL+ key to increase the volume, press and hold to change the volume (max is 15, mute is 0; if the volume exceeds 10, the sound may be cracking voice)

   Volume Down: VOL-key, functions are same as above

5. CH +/-

   CH+ key: functions are same as above. (channel range 1~40, totally 40 channels)

   CH- key: functions are same as above

IV. Director Keyboard

①   Setting button: to set the preset position

      Method: press number key ----> shift to the position ----> press setting button

②   Shift: to shift between yCat and yFoot

③   Playback: play back wonderful videos in yFoot; no practical function in yCat.

④   1-12: call the preset position

⑤   F1-F5: Choose preview window

⑥   Rocker: rotate left or right to zoom in or out, shake front, back, left or right to control the directions of camera

⑦   Buttons on rocker: yCat (shift between preview and output), yFoot (playback of wonderful videos)
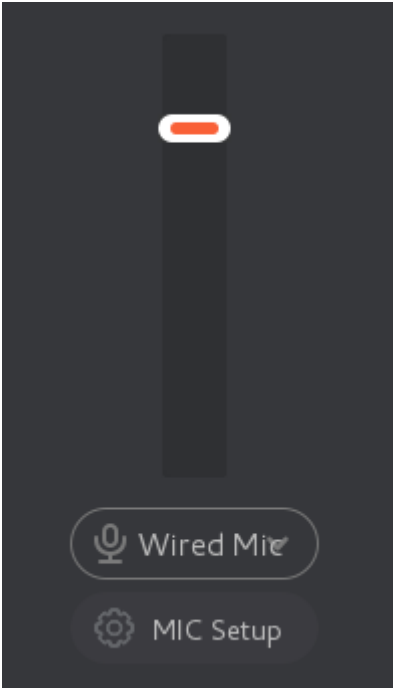
⑧   Usage Method: plug and use
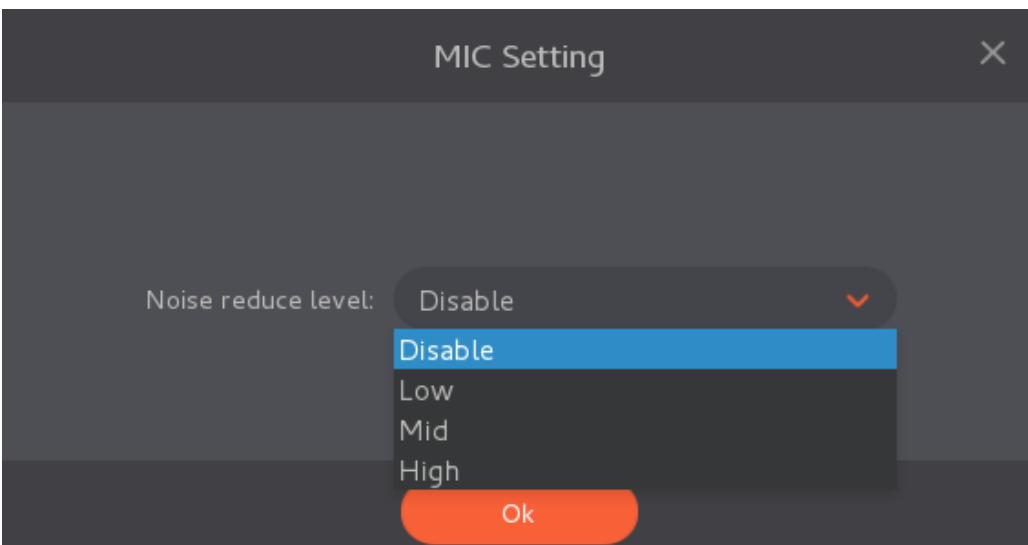
V. Notes

5.1 Audio Settings

5.1.1 Wireless Audio

The default of the host is wired audio, which is local LIN IN /MIC IN.

To use the attached wireless audio device of the host, you need to select wireless Mic in "MIC Setting".

When "Wireless MIC" is selected, click MIC setting to set the noise level and wireless channel of the wireless MIC.


Noise level: it is used to reduce the noise. Please choose different level according to actual condition.

Wireless channel: the attached wireless handheld MIC and collar clip-on MIC need to be set with the same wireless audio channel as the host.

Note: the channel of wireless MIC should be consistent with the wireless channel of the host so as to receive audio signal wirelessly.

5.1.2 Network Audio
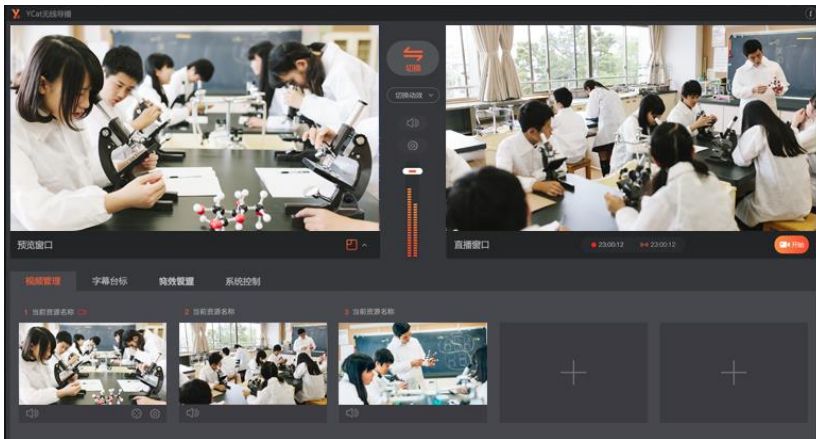
Click the small horn on video window of every channel to enable the audio of this channel; superposition of audio of a maximum of two channels is supported (including wired MIC or wireless MIC)

5.2 PIP (Picture-in-Picture) Settings

Click the PIP button at the bottom right corner of preview window, and select one mode, **and then drag the video picture to the corresponding window.**

5.3 Wide Angle and Close-up of Camera
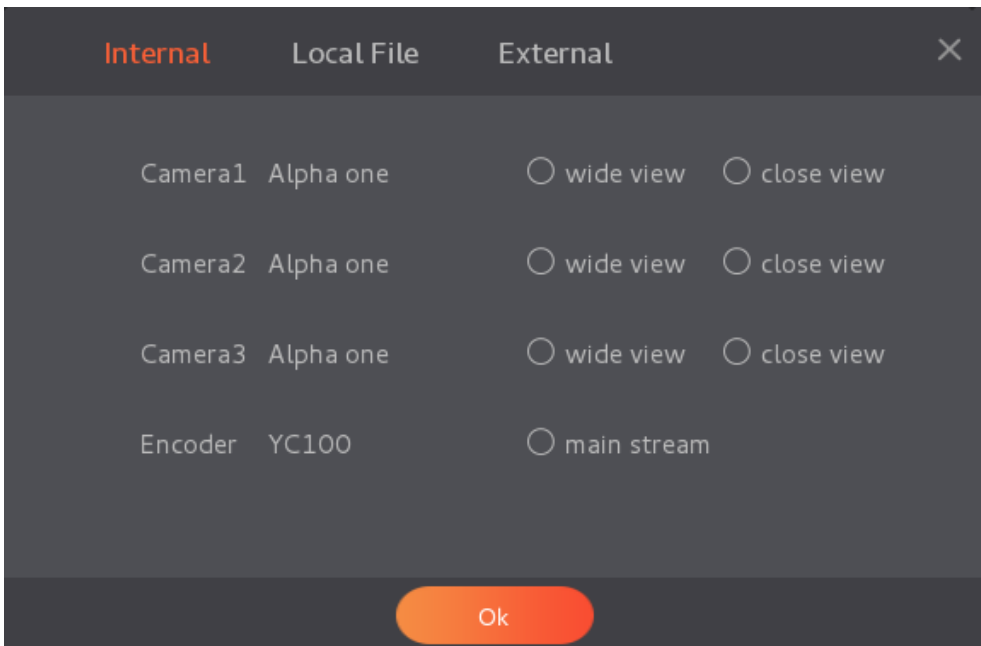
It is dedicated to alpha 1 camera (the YC200PLUS).

Wide Angle: this channel shows the panoramic picture, which cannot be zoomed in or out.

Close-up: it shows the close-up for special shooting, which can be zoomed in or out.

5.4 Camera Control and Settings

Click the small icons on the small video window to control the PTZ and set the color of this channel.