

# Wireless Portable Recorder-yCat

## (Model: YC300)



The yCat is the latest product of Reach, it integrated with wireless function, can be widely used for producing, previewing, recording and live streaming events, sports, meetings and so on. Equipped with touch screen, it quite simple and easy to use.

yCat can support up to 3 cameras plus one VGA signal input, user can switch anyone of these 4 signals to do live streaming and record, generate a MP4 file and save in local SSD. It supports local playback or copy recorded file to USB Disk and take it away.

### Features:

- Multiple sources supported  
Include 3 cameras and one presentation inputs, totally 4 signal inputs.
- Wireless portability  
All signal sources transfer to the yCat wirelessly, no need to connect video cables, easy to set up and start shooting.
- 5G wireless high-speed transmission  
Fifth-generation wireless network, automatic frequency modulation (5.1-5.9) anti-interference and strong anti-interference.

- Equipped with touch screen  
High sensitive touch screen with one button to start/stop recording.
- One button to switch signal  
One button to switch between 4 signals, streaming and recording naturally, and supports different transition effects on signal switching
- Built-in 4G module  
Supports insertable SIM card, can automatically dial Internet access.
- Built-in wireless audio module  
Built-in wireless audio module, support wireless lapel microphone, handheld microphone and audio mixer.
- RTMP streaming  
It supports RTMP protocol, can push live streaming to YouTube or other CDN.
- Built-in battery  
The components of the system have built in batteries for live recording and streaming. yCat display's battery levels with low power alarm. Batteries last up to 6-8 hours depending on operations.

### Specifications:

Model	YC300
Screen	Touch screen, 14 inches
Displayer Resolution	1920*1080
Video Input	Wireless network input
Video Output	1*HDMI output, 1*network output for streaming
Audio Input	Wired audio input: 1*Line in, 1*Mic in Wireless audio input: Built-in wireless audio module
Audio Output	1*Line out, 1*network output for streaming
USB Port	USB 3.0*1, USB 2.0*2
Camera Control	Zoom in/out, Up/Download/Left/Right, Preset
Wireless Network	5.1-5.9 GHz
Wireless Transmission Distance	≤300 meters outdoor without occlusion ≤150 meters indoor without occlusion
File Format	MP4
Storage	256GB SSD Configurable
Power supply	DC 12.6V/5A
Dimensions	337.8*216.4*27mm
Storage temperature	-10°C-60°C

Storage humidity	10%-90%
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**Interface:**



No.	Component	Statement
1	Power Switch	Power on/off yCat device
2	Antenna	Video transmission wireless
3	Reset	Reset to factory mode
4	LAN	RJ45, Network connection
5	USB 2.0	Connect with Keyboard/mouse/USB device and so on
6	USB 2.0	Connect with Keyboard/mouse/USB device and so on
7	HDMI Out	Output the live streaming image
8	USB 3.0	Connect with USB device to copy file from yCat unit
9	SIM card interface	insert SIM card for internet access
10	Audio Port	Local audio input/output ports
11	Power Input	DC 12.6v/5A
12	Antenna	4G SIM card antenna
13	Antenna	Audio transmission wireless

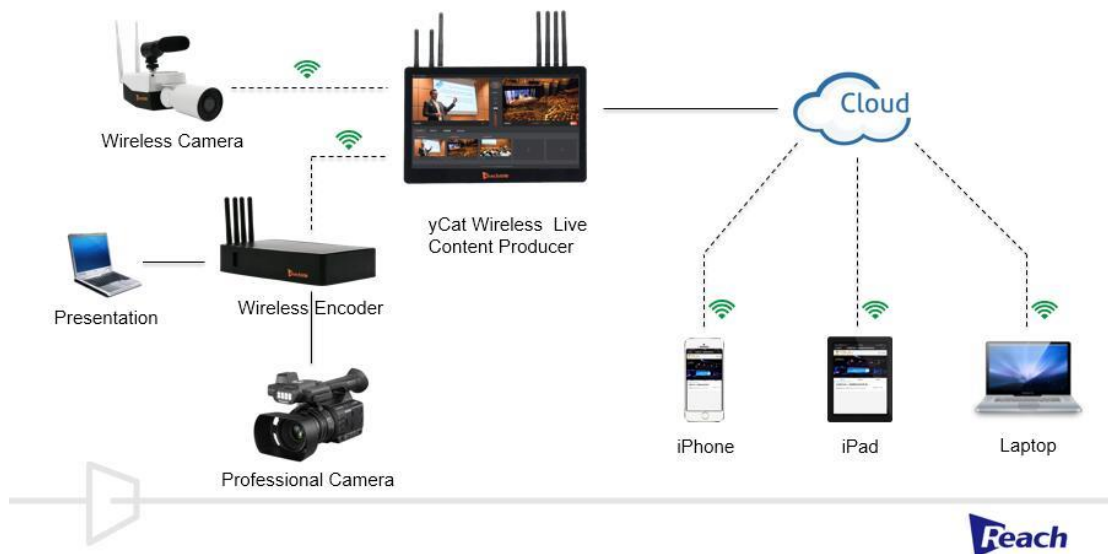


No.	Component	Statement
1	Preview	Preview live streaming image
2	Navigation	Menu navigation for different features
3	Signal Monitor	Signal monitoring for all signal sources
4	Special efficiency	Special efficiency setting and audio display
5	Output	Output live streaming image

### Related Products:

YC100: Wireless Encoder, capture and encode HD signal, transfer signal to yCat over wireless;

YC200: Wireless Camera, capture and transfer signal to yCat over wireless;



# Wireless Camera

## (Model: YC200)



### Features:

- 5G Wireless communication  
Capture video signal and transfer to yCat via wireless.
- Support PTZ control  
Can be controlled by yCat via wireless.
- Built-in Li battery  
With built-in battery, lasting 6-8 hours.
- Integrated microphone input (boom mic not included)
- Support 4K  
Camera maximum image size 3840\*2160
- Support dual streams  
The camera can output two video streams at the same time, one wide angle, one close-up.
- Waterproof  
Support IP66 level waterproof.

## Specifications:

Model	YC200
Image Size	3840*2160 at maximum
Image Sensor	1/2.3" Progressive Scan CMOS
Connection Mode	Wireless connection, 5.1-5.9GHZ ≤300 meters outdoor without occlusion ≤150 meters indoor without occlusion
Waterproof level	IP66
Interface	Aviation waterproof 2 pin, aviation waterproof 5 pin audio, RJ45 debug network port
Mechanical PTZ	Horizontal: 180°, speed: 20°/sec Vertical: 90°, speed: 15°/sec Presets: 16
Electronic PTZ	4K-720P arbitrary zoom
Encoding	H.264 / H.265
Video Resolution	4K@30 (3840*2160), 2K@30 (2560*1440), 1080p30, 720p30
Bitrate	128Kbps-30Mbps adjustable
Audio	AAC 32K/44.1K/48K
Battery	Built-in battery 11.1V / 6.7A, can support 6 hours
Power Supply	DC 12V/5A
Working Temperature	-10°C-60°C
Working Humidity	<90% without condensation

## Wireless Encoder

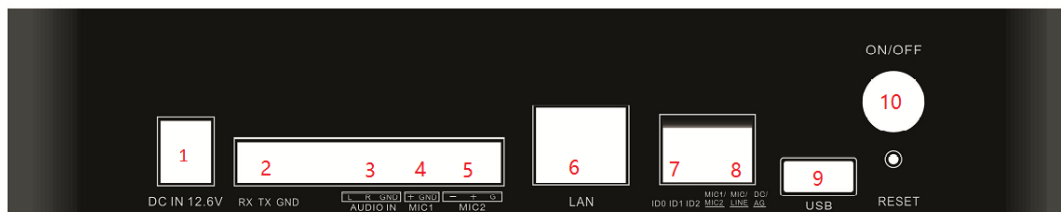
**(Model: YC100)**



## Features:

- 5G Wireless communication  
Capture the signal from professional camera or laptop/presentation, and transfer to yCat via wireless.
- Built-in Li battery  
With built-in battery, it can last for 6-8 hours.
- HDMI/DVI/VGA input  
With HDMI and VGA input port, can support HDMI, DVI and VGA signal
- Line in & Mic in  
Support Line in and Mic in audio input.

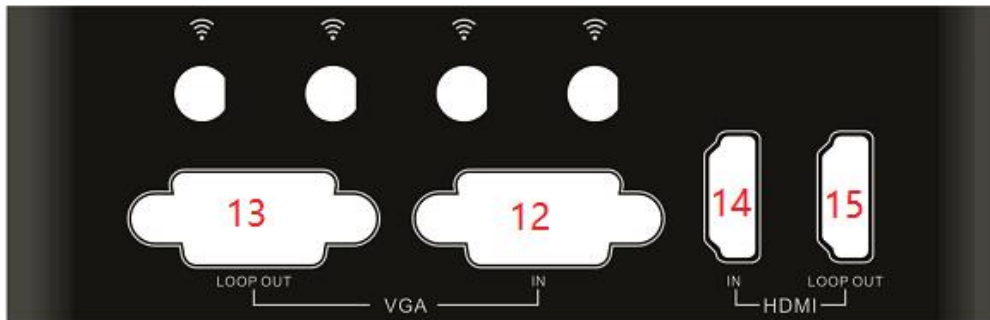
## Interface:



No.	Component	Statement
1	Power Input	DC 12.6V, support charging for the built-in battery
2	RS485	Reserved
3	Audio In	Audio linear input interface
4	MIC 1	Audio unbalanced input interface

For more information, please contact us at: Website: [www.ReachUS.tv](http://www.ReachUS.tv)  
E-mail: [info@reachus.tv](mailto:info@reachus.tv) Tel: 1-800-333-6544

5	MIC 2	Audio balanced input interface
6	LAN	RJ45 port
7	IP address Dial switch	ID0/ID1/ID2: from left to right ↑↑↑ 192.168.5.250 ↑↑↓ 192.168.5.249 ↑↓↑ 192.168.5.248 ↑↓↓ 192.168.5.247 ↓↑↑ 192.168.5.246 ↓↑↓ 192.168.5.245 ↓↓↑ 192.168.5.244 ↓↓↓ 192.168.5.243
8	Audio Dial switch	<b>MIC1/MIC2:</b> Off means MIC1 usable, ON means MIC usable <b>MIC/LINE:</b> Whether to switch to LINE IN input ( <b>MIC1 and MIC2 will invalid after turn on</b> ) <b>DG/AG:</b> Off means DG (Digital signal, such as HDMI audio), On means AG (Analog signal, such as MIC in LINE in) ( <b>MIC/LINE and MIC1/MIC2 will invalid after turn to DG</b> )
9	USB	Reserved
10	Power Switch	Power on/off YC100 device



No.	Component	Statement
1	VGA IN	VGA signal input
2	VGA Loop	VGA signal loop out
3	HDMI IN	HDMI signal input
4	HDMI Loop	HDMI signal loop out

## Specifications:

Model	YC100
Dimension	206*125.5*441mm
Resolution	Up to 1080p

For more information, please contact us at: Website: [www.ReachUS.tv](http://www.ReachUS.tv)  
 E-mail: [info@reachus.tv](mailto:info@reachus.tv) Tel: 1-800-333-6544



Connection Mode	Wireless connection, 5.1-5.9GHz ≤300 meters outdoor without occlusion ≤150 meters indoor without occlusion
LAN	1*RJ45
Audio Input	1*Line in, 2*Mic in, 1*HDMI in (4 choice 1)
Video Input	1*HDMI, 1*VGA
Video Loop	1*HDMI, 1*VGA
Sampling Rate	32K, 44.1K 48K
Battery	Built-in battery, 11.1V/5.2A

## Wireless Audio Transmitter

### (Model: TP-WT02-RQ)

Wireless audio transmitter TP-WT02-RQ is an optional accessory of yCat system, RF working frequency band is from 650MHz~750MHz, with 40 channels.

#### Interface:



#### Specifications:

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E-mail: [info@reachus.tv](mailto:info@reachus.tv) Tel: 1-800-333-6544

No.	Component	Statement
1	Voltage	3V~6V
2	Electrical current	=<500mA
3	Distortion factor	0.3%@1KHz
4	Noise-signal ratio	66dB
6	Frequency response	60Hz~5KHz
7	Transmitting power	15~25 dBm
8	Input amplitude	=<60mV

## Wireless Audio Transmitter (Model: TP-WTG04E)

Wireless audio transmitter TP-WTG04E is an optional accessory of yCat system, RF working frequency band is from 650MHz~750MHz, with 40 channels.

### Interface:



### Specifications:

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E-mail: [info@reachus.tv](mailto:info@reachus.tv) Tel: 1-800-333-6544

No.	Component	Statement
1	Voltage	5V
2	Electrical current	=<350mA
3	Distortion factor	0.7%@1KHz
4	Noise-signal ratio	70dB
5	Battery working time	=<2h
6	Frequency response	170Hz~8KHz
7	Transmitting power	16~25 dBm
8	Input amplitude	=<120mV

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