Part1 〖PTZ Function Operation and Description〗
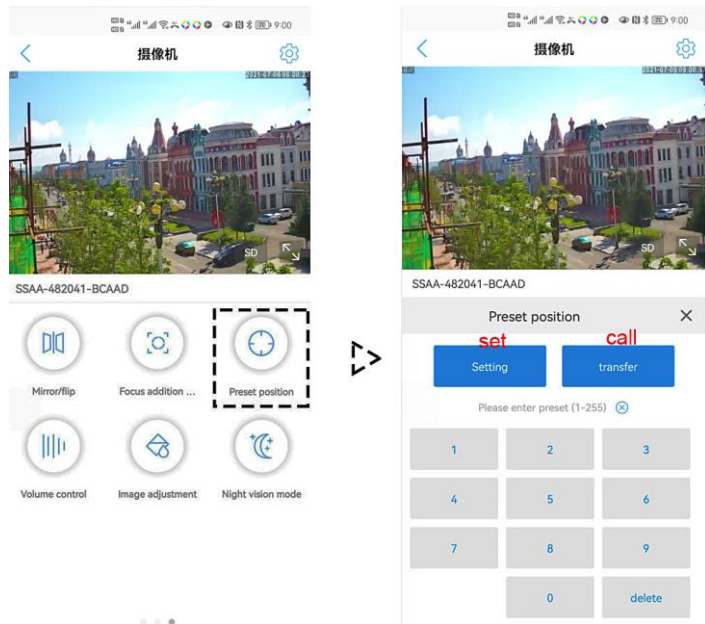
Mobile APP interface description

Professional name explanation;
Set:set preset,　　Call:Call preset
[N]+[set]=Enter N first and then click SET.
"+"=Then

1, How to use tracking Features

1) Fixed point tracking:

Before turning on the track function, you need to set the return position (return position) after the end of the track. Then turn on tracing. In the case of no tracking action, the camera is waiting at the return position, The camera is turned on when the person is detected. After tracking is completed, the camera automatically returns to the return position and continues to wait for the next tracking.The return position is 88th preset.please set 88th preset

Call 97 for Turn on tracking, Setting method: [97]+[Call];　set 96 for turn off　tracking, Setting method: [96]+[Set]

2)Cruise tracking:

Before turning on tracking, you need to set the camera's cruise point in advance. A maximum of 16 preset points can be set. These cruise points are the few locations you want to monitor. The camera will cruise back and forth between these locations to find a tracking target. Really made a camera monitors multiple angles of demand. Turn on cruise trackingfunction,The camera will cycle moving through the preset cruise points. When the person is detected, the camera will turn on the tracking. After the tracking is completed, the camera automatically resumes the cruise until the next time the person is detected, the tracking is turned on again

Set 1,2,3,4….max 16 preset position,Then call 98th preset camera will auto turn on cruise tracking

Setting method: [98]+[Call]　for turn on cruise

2,Preset settings: Rotate the camera to the position you want, then set this position to "N" preset

[N] +[SET] ,N is preset point, 1-255 number can be optional (But the command Preset isn't include).　Set= set preset

3.Call preset(need set the corresponding preset point) :　[N]+[CALL]

4.Delete all preset point: [100] +[CALL] ,Call no.100 preset, clear the all preset :[1]+[0]+[0]+[CALL] .

5.Auto scan(Horizontal rotation) : [120]+[CALL], call No.120 ,the lever of 360 degree clockwise automatic scanning

Modify speed of Auto scan :[121]+[Set] +[N]+[Set]; (N=1-10; N represents scan speed percentage,default is 8=80%)

If you wanto to change speed of auto scan to **50%**; Setting method: [121]+[Set] +**[5]**+[Set]

6.The inspection group programming

Before you start cruising, you first need to set the preset position in the cruise path.**Please refer to " 2.Preset settings"**

[101]+[CALL] for Open the first Cruise of 1-16 to scan

Modify the stay time of the Cruise:

[123] +[Set] + [N]+[Set]; (N=3-10; N represents the dwell time at each preset,default is 5 seconds)

If you change the dwell time to **10 seconds**. Setting method:[123]+[Set] + **[10]**+[Set]

Modify speed of the Cruise:[115]+[Set] + [N]+[Set]; (N=1-10; N represents Cruising speed percentage,default is 8=80%)

If you change speed of the Cruise to **40%**; Setting method:[115]+[Set] + **[4]**+[Set]

7.Left and right limit scan settings

The users can set left and right limit point in the range of the rotation, the speed dome can return scan in setting range

[81]+[SET]: left limit; [82]+[SET]: right limit, [83]+[CALL]: start right and left limit scan

Modify the speed of right and left limit scan:

[141] +[SET]+[N] +[SET];　(N=1-10; N represents Cruising speed percentage,default is 5=50%)

If you change speed of the limit scan to **100%**; Setting method:[141]+[Set] + **[10]**+[Set]

Part 2【Common functions operating Express 】				
Function name	Explanation	Preset	Call	Set
Turn OFF auto tracking	Turn off auto tracking (default)	96		√
Turn On auto tracking	Turn On auto tracking	97	√	
Turn on cruise tracking	Turn on some preset position cruise tracking	98	√	
Set return position	position of the camera return after the end of the tracking	88		√
Return position wait time	153+Set+N+Set,N=1-15 seconds ,default N=5 Seconds	153		√
Tracking zoom control	95+set for turn on ZOOM(default);95+call for turn off Zoom when camera tracking	95	√	√
Set tracking Pan speed	150+set+N+set, N=1-10,default N=3	150		√
Set tracking Tilt speed	151+set+N+set, N=1-10, default N=3	151		√
IR light auto mode	Infrared light is controlled by changes in light brightness	137	√	
IR light Forced on mode	IR light is always on, and the camera stays in night mode.	138	√	
IR light Forced to close	IR light is always off during , and the camera is in day mode	139	√	
IR detection threshold setting	Set 91+Set N (N=1-10;N represents Ambient light brightness,1-10=0.1Lux-1LUX)	91		√
Dipped beam and high beam switch	The user can arbitrarily set the near light and the remote light to switch position.	92	√	
Full IR open	The user can arbitrarily set the position where the near light and the far light are simultaneously turned on.	93	√	
IR brightness adjustment	brightness set for all IR: set 122 + set N, (N=1-10; default is 8=80%)	122		√
Auto scan(pan)	the lever of 360 /355 degree clockwise automatic scanning	120	√	
Modify speed of Auto scan	Set 121+set N(N=1-10; N represents scan speed percentage,default is 8=80%)	121		√
Open the first cruise	Open the first cruise (Support 1-32 presets)	101	√	
Set cruise speed	Set 115+set N(N=1-10; N represents Cruising speed percentage,default is 8=80%)	150		√
Modify the stay time of the Cruise	Set 123+set N(N=3-10; N represents the dwell time at each preset,default is 5 seconds)	123		√
Left limit	Set Left limit	81		√
Right limit	Set Right limit	82		√
Open limit scan	Open limit scan	83	√	
Modify the speed limit scan	Modify the speed of right and left limit scan:Set 141+set N (N=1-10; N represents Cruising speed percentage,default is 5=50%)	141		√
Set and open the watch position	Rotate the camera to the position you want, then set 125([125]+[PRESET]), and the current position is the	125		√
Delete watch position	watch position, and turn this feature on. When the camera is in standby, the camera will automatically rotate to this position	125	√	
Set the watch start time	Set 126+set N(N=1-10 ; N represents start time,default is 5 minutes)	126		√
Open Idle action	Open Idle action	130	√	
Close Idle action	Close Idle action	130		√
Idle action Setting	Set 131+Call N,N=Function preset	131		√
Set the time the idle action	Set the time when the idle action starts:Set 132+set N (N=1-30; N represents Idle time,default is 5 minutes)	132		√
Lens focal length and speed match	PTZ speed, lens zoom automatic matching is enabled (default is on)	108	√	
Len and speed match	Close Lens focal length and speed match,Turn off automatic matching	108		√
Wiper control (if camera support it)	71+call (after executing once, the wiper will automatically stop after wiping 3 times, and can be operated repeatedly)	71	√	
Defog control	72+call: Enable defogging function. 72+Settings: Turn off the defogging function.	72	√	
Defog time	Set the working duration of defogging: 73+settings+N+settings, N=1-24 hours, default N=1 hour (automatically closed after 1 hour of activation)	73		√
Modify manual control Pan Speed	160+set+N+set, N=1-10, default N=8	160		√
Modify manual control tilt Speed	161+set+N+set, N=1-10, default N=8	161		√
Auto focus mode	250+set+N+call, When N=1 auto focus only when controll ZOOM(Manual + automatic mode), When N=2 auto focus when any one of P/T/Z changed(automatic mode), When N=3 auto focus when any one of P/T/Z/video changed(full automatic mode)	250		√
Focus distance setting	251+set+N+Call When N=1 Minimum focusing distance: 1.5 meters When N=2 Minimum focusing distance: 3 meters When N=3 Minimum focusing distance: 6 meters	251		√
Autofocus self-learning	253+set+252+call (The camera will automatically perform autofocus self-learning (the distance between the object and the camera must be greater than 50 meters), please use it with caution.)	253		√
Delete all preset point	Delete all preset point	100	√	
pan/tilt correction	Setting method:[107]+[Set]+[64]+[CALL]	107	√	
Restore factory settings	Setting method:[106]+[Call]+[64]+[CALL]	106	√	