

BEYOND

SHENZHEN BEYOND TECH CO.,LTD.

1.3MP,WDR ATM USB WEBCAMERA



Board lens



Pinhole lens

1) Feature

1/3 inch CMOS Sensor,COLOR,**1.3 Megapixel;Wide Dynamic Range** Function
USB2.0 HIGH SPEED

USB webcam, special design for ATM machine;mini shell,easy for install in all of models ATM
Windows 2000/XP; VISTA; Windows 7;Linux(In 2.6.2 above the kernel version)

2)Specification

Model	AD-WDR134CU
Image sensor	1/3 inch CMOS Sensor,color
Effective Pixels	1280(H) X960(V)
Resolution	1280x960,1024x768,640x480,352x288, 320x240, 160x120 ,156x144
Maximum Frame Rates	25fps
Minimum Illumination	0.01Lux
SNR max	≥50dB
Dynamic range	≥120dB
Focus	15cm ~ infinite
bit value of color	up to software,standard value:16 bits
Driver	Support UVC
Lens	Board lens:3.6mm /2.5mm/2.8mm/2.1mm lens optional
	Pinhole lens:3.7mm/2.8mm optional
Dimension	34×34mm
Scanning System	Progressive scan
Scanning Frequency(H)	48MHZ
Scanning Frequency(V)	59.9HZ
Exposure	Auto
White balance	Auto
Brightness	manual adjustment
Contrast	manual adjustment
Saturation	manual adjustment
Sharpness	manual adjustment

Gamma	manual adjustment
Interface	5 - pin 1.25mm USB2.0 HIGH SPEED
Power Input	DC5V(USB power)
Power Consumption	<140mA
USB Cable	2m(standard);other length available as per actual request
Operating Temperature	- 10℃ ~ + 70℃ (Humidity : 0% RH ~ 85% RH)
Storage Temperature	- 20℃ ~ 120℃ (Humidity : 0% RH ~ 85% RH)
MTBF	130 thousand hours
CE,ROHS	YES

3) Lens Specification

Board Lens

FOCAL LENGTH	SENSING AREA	MAXIMUM RELATIVE (F) APERTURE	ANGULAR FIELD OF VIEW		
			1/3"		
			D	H	V
21MM	1/3"	F20	150.0°	130°	101°
25MM	1/3"	F20	140°	115°	85.8°
28MM	1/3"	F20	120°	91°	68°
36MM	1/3"	F20	90°	68°	48.5°

Pinhole Lens

FOCAL LENGTH	SENSING AREA	MAXIMUM RELATIVE (F) APERTURE	ANGULAR FIELD OF VIEW
			1/3"
			D
3.7MM	1/3"	F20	90°
2.8MM	1/3"	F20	115°

4) Environmental

Operating temperature	- 10℃ ~ +70℃
Operating Humidity	0% RH ~ 80% RH
Storage Temperature	- 20℃ ~ 120℃
Storage Humidity	0% RH ~ 80% RH
Shock, vibration and falling	met the requirement of Shock ,vibration and falling testing

5) Physical for Board Camera

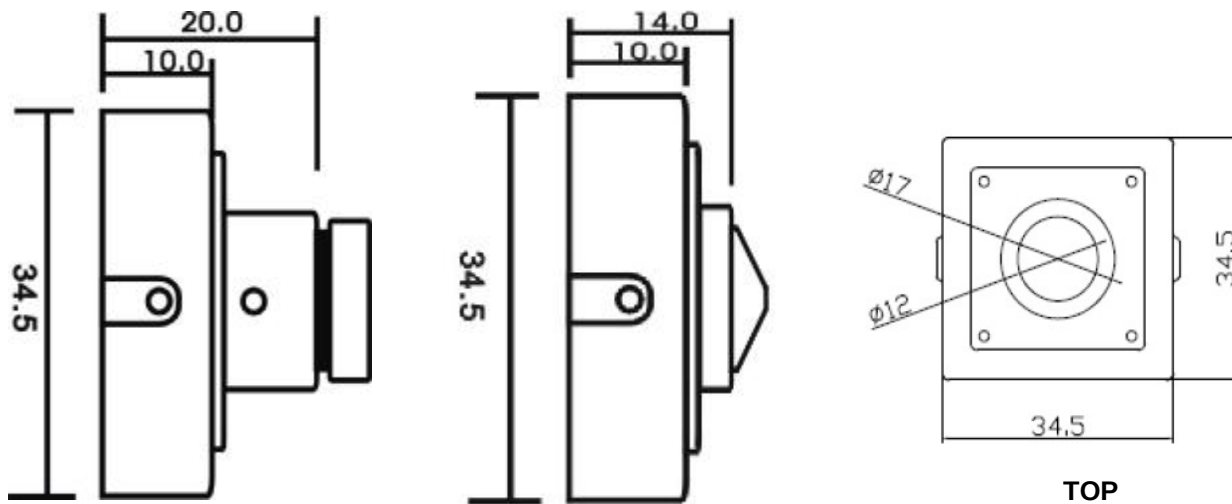
Mechanical	Spec.
Dimension	32x32mm
Weight	0.5g
Lens Mount	M12 board mount
Connect	5P_1.25mm

6) Housing Drawing

Material: Zinc alloy

With Board Lens

With Pinhole Lens



7) Cable Drawing

5 Pin 1.25mm PCB Connector on the camera, which signals are shown on the table below.

Pin	Signal
1	Vcc
2	Data -
3	Data+
4	DGND
5	DGND

Length for USB cable

2meters as standard

Other length is available as special length,which should be customised specially.

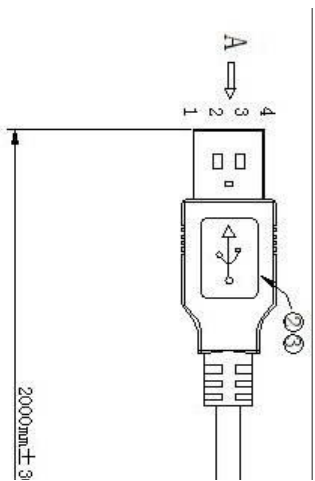


二、Wiring definition:

4	Black	GND
3	Green	D +
2	White	D -
1	Red	+5V
A	Shielding line	pick up shells

7) Accessory

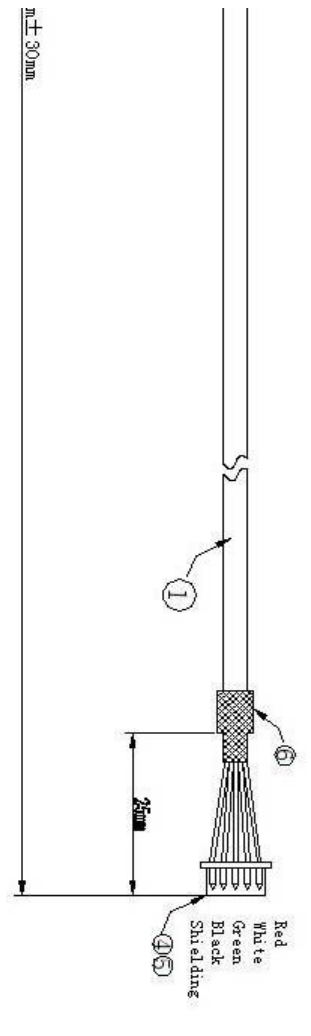
- Camera holder
- 2 screws to fix the camera on holder



二、Wiring definitior

4	Black	GN
3	Green	D +
2	White	D -
1	Red	+5V
A	Shielding	1 shells

7) Cable Drawing



ion:

GND

D +

D -

+5V

g line pick up

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