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CCIQ II COLOR CAMERA

Tube Type

Ø6.3
14
50
20

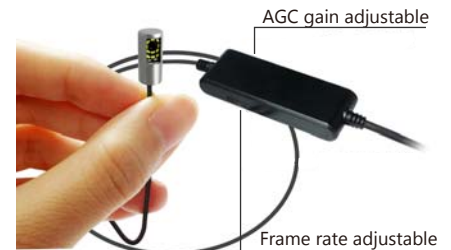## Feature

- High Sensitivity!
- High Performance.
- 1/13" CCIQ II Color
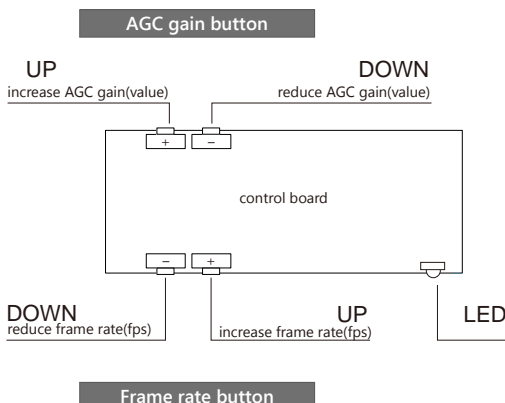- Side view camera
- 642 x 484 Pixel

Specification

unit : mm (±0.5)

Model	MX-T13R6LU-50
LED Light illumination	white LED x 11
Video system	NTSC / PAL
Pixel size	1.75µm
Number of effective pixels	642 X 484 (NTSC & PAL)
Image sensor	1/13" CCIQ II Color Camera
Resolution(TV Lines)	480 TV Lines
S/N Ratio	34 dB
Dynamic range	66 dB
Shutter Type	Electronic Rolling Shutter (ERS)
Sensitivity	1.2V /Lux.sec
Sensor scan mode	progressive scan
Minimum illumination	5 Lux / F2.8
Frame Rate	30 Field/sec(NTSC) , 25 Field/sec(PAL)
Horizontal sync frequency	NTSC -15.734kHz , PAL - 15.625kHz
Vertical sync frequency	NTSC - 60Hz , PAL - 50Hz
Camera consumption	0.45
Video output	1Vp-p , 75ohm composite
Built - in lens	1.498mm/F 5.0
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Power source	Camera input: DC 5V
Power current	160 mA(max)
Dimension(mm)	Ø6.3 x 14

Ø6.3 x 14mm

AGC gain adjustable

Frame rate adjustable

4 mm   4 mm
6.5 mm 11 mm

Order information

AGC gain button

UP
increase AGC gain(value)

DOWN
reduce AGC gain(value)

control board

DOWN
reduce frame rate(fps)

UP
increase frame rate(fps)

LED

Frame rate button

LED indicator / function	7	6	5	4	3	2	1
AGC gain (value)	200	150	100	80	60	40	20

LED indicator / function	7	6	5	4	3	2	1
Frame rate (fps)	1 fps	2 fps	4 fps	6 fps	10 fps	15 fps	30 fps(NTSC) 25 fps(PAL)

◎ How to adjust "frame rate" and "AGC gain" :

1. Press the "Up or "Down" button to select function according to the chart.
2. The LED indicator blinks according to the number of time user presses the button.
3. Every function adjustment takes 5 sec.
4. AGC gain: 20 , Frame rate: 30fps(NTSC), 25fps(PAL) is for normal endoscopy application.

- Frame rate is "1fps" ,"2fps" ,"4fps" ,"6fps" ,"10fps" , "15fps" ,"30fps(NTSC), 25fps(PAL)" , AGC gain should be set at "20" first.

- When AGC gain is at 200 , 150 , 100, 80 , 60, 40 , frame rate value will be different according to external environment.