

HTC-3500CB

USB 3.0 Vision Camera
 5M pixel image sensor / Bayer type
 ISP control
 C mount type lens
 IR cut-off filter
 Intel OpenCV™ Library interface available



Preview



Application

Academic	R&D for image improvement, recognition and compression
Industrial	Machine vision, Bar code recognition, Marking test etc.

Contents

- Main board, Micro 3.0 USB Cable, Trig/Strobe 원형 cable(4pin), Program CD_SDK program source code & Library (VC++)

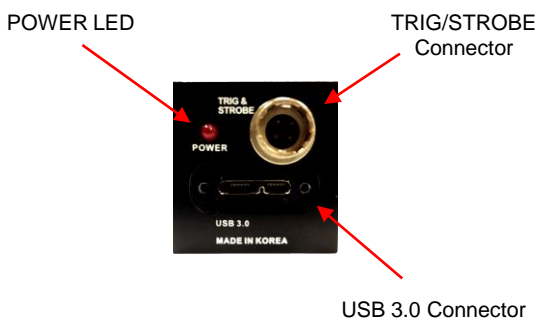
Specification per Resolution

	5M (QXGA) / Bayer
Image device	1 / 2.5 inch CMOS
Active pixels	2592 (H) x 1944 (V)
Pixel size	2.2 x 2.2 um
Frame rate	Max. 14ps@QXGA Max. 115fps@VGA

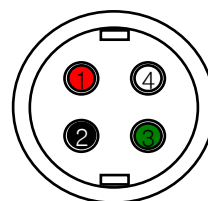
Common specification

PC Interface	USB 3.0 (5Gbps)
Power	USB 5V
Sensor video data format	8Bit Bayer
Sensor command interface	I2C Protocol
Compression	압축 안 함
Image Processing	Host 프로그램 구현 또는 센서 ISP Control 가능
Port	Trigger / Strobe port
Lens	C mount lens
Filter	IR cut off / Infra-red 650[nm]
Multi-Camera connect	Multiple cameras connection with 1 PC available
CPU	Pentium4 2.8 GHz 이상 (3.0GHz 이상 추천)
RAM	2GB 이상
USB 3.0 Host Controller	Intel Controller chip 권장
Operating System	Windows 2000 SP4 이상 Windows XP SP2 이상 Windows Vista / Windows 7 사용 가능
Dimension	30(w) X 30(h) X 54(d) mm

Camera Interface



Trigger / Strobe Connector Port



<Camera Side>

Pin	Signal Name
1	Trigger +
2	Trigger -
3	Strobe +
4	Strobe -

* Cable Color

- 1 : Red 2 : Black
- 3 : Green 4 : White

	Product Name	Specification
	HTC-3500CB	<ul style="list-style-type: none"> • Pixel : 5M (QXGA) / Bayer (Color & B/W), 1/2.5 inch CMOS Sensor • Active pixels : 2592 (H) x 1944 (V) • Pixel size : 2.2 x 2.2 um • Frame rate : Max. 14fps@QXGA / 115fps@VGA • PC Interface : USB 3.0 • Function : H/W Trigger & S/W Trigger Support • Operating System : WindowsXP, Vista / Windows7
	HTC-3500R	<ul style="list-style-type: none"> • Pixel : 5M (QXGA) / Bayer (Color & B/W), 1/2.5 inch CMOS Sensor • Active pixels : 2592 (H) x 1944 (V) • Pixel size : 2.2 x 2.2 um • Frame rate : Max. 14fps@QXGA / 115fps@VGA • PC Interface : USB 3.0 • Operating System : WindowsXP, Vista / Windows7
	HTC-2300CB	<ul style="list-style-type: none"> • Pixel : 3M (WXGA) / Bayer 1/2 inch CMOS Sensor • Active pixels : 2048 (H) x 1536 (V) • Pixel size : 3.2 x 3.2 um • Frame rate : Max. 8fps@QXGA / 20fps@SXGA • Function : H/W Trigger & S/W Trigger Support
	HTC-2036CB	<ul style="list-style-type: none"> • Pixel : 360k (WVGA) / Bayer (Color & B/W), 1/3 inch CMOS Sensor • Active pixels : 750 (H) x 480 (V) • Pixel size : 6.00 x 6.00 um • Frame rate : Max. 60fps@WVGA • Function : H/W Trigger & S/W Trigger Support • Operating System : WindowsXP, Vista / Windows 7
	HTC-2300R	<ul style="list-style-type: none"> • Pixel : 3M (QXGA) / Bayer 1/2 inch CMOS Sensor • Active pixels : 2048 (H) x 1536 (V) • Pixel size : 3.2 x 3.2 um • Frame rate : Max. 6.6fps@QXGA / 22fps@XGA • Function : H/W Trigger & S/W Trigger Support • Operating System : WindowsXP, Vista / Windows 7
	HTC-2030R	<ul style="list-style-type: none"> • Pixel : 300k (VGA) / Bayer 1/4.5 inch CMOS Sensor • Active pixels : 640 (H) x 480 (V) • Pixel size : 5.04 x 5.04 um • Frame rate : Max. 30fps@VGA • Operating System : WindowsXP, Vista / Windows 7
	Motor Driver / Controller (HTM-1DM-232 / HTM-1200)	<ul style="list-style-type: none"> • HTM-1DM-232 <ul style="list-style-type: none"> - 1PH Motor Driver / Controller, Unipolar - RS232 Interface • HTM-1200 <ul style="list-style-type: none"> - 2PH Step Motor Driver / Controller, Unipolar - RS232 / USB Interface
	Lens (M3514-MP / H2Z0414C-MP)	<ul style="list-style-type: none"> • M3514-MP <ul style="list-style-type: none"> - 2/3" 35mm f1.4 w/locking Iris & Focus, Megapixel (C Mount) • H2Z0414C-MP <ul style="list-style-type: none"> - 1/2" 4-8mm f1.4 Vari-focal, Manual Iris Megapixel (C Mount)