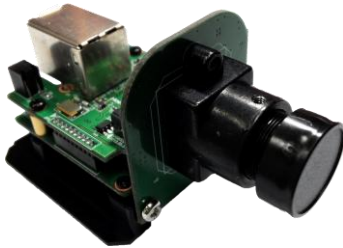


HTC-3500R

USB 3.0 Vision Camera
 5M pixel image sensor / Bayer type
 ISP control
 Board mount type lens
 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.

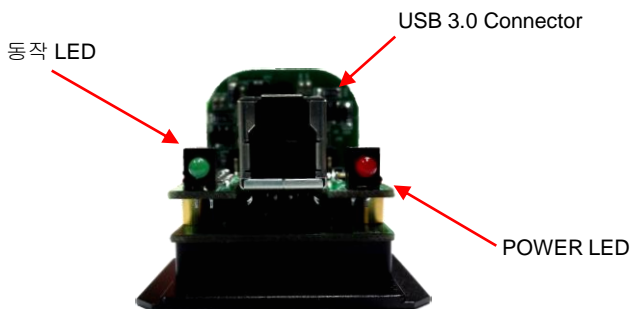
Contents

- Main board, USB 3.0 A / B Cable, Program CD_SDK program source code & Library (VC++)

Specification per Resolution

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

Camera Interface



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	USB 3.0 port
Lens	Board mount type lens
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	42(w) X 32(h) X 42(d) mm ※ LENS & LENS HOLDER 제외 규격

	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)