

Progressive scan UXGA  
Camera-Link 3CCD Color Camera  
HV-FxxxSCL (Preliminary)

A. Outline

- ◆ Progressive scan UXGA
- ◆ Camera-Link output

B. Main features

- ◆ High-definition 1/1.8-inch progressive scan CCD (1600 x 1200)
- ◆ High frame rate 30 frames / second
- ◆ Small and light weight 65(W) x 65(H) x 80(D), Approx. 450g
- ◆ Multiple functions Remote control through Camera-Link  
High/Low speed random trigger shutter  
White balance, Gain control, Gamma correction  
Built-in pixel concealment  
Partial scan

C. External View



D. Main specifications and functions

Imaging device	1/1.8-inch progressive scan (3CCD)
Effective pixel	1628(H) x 1236 (V)
Unit cell size	4.40μm (H) x 4.40μm (V) square lattice
Standard sensitivity	2,000 lx (F5.6)
Digital output	RGB24bit 72MHz x 1ch(Connector for output: 1pc) RGB30bit 72MHz x 2ch(Connector for output: 2pc) RGB36bit 72MHz x 2ch(Connector for output: 2pc)
Video output connector	Mini Camera link
Trigger input	12-pin connector
Gain	0 to +12dB
Shutter speed	10 to 1/100,000 sec
Frame rate	30 frames / second
White shading compensation	Auto ( 2 dimension compensation )
Masking	6 vector color
Lens mount	C mount
Power voltage	12VDC±10%
Power consumptions	Approx. 6W
Dimensions, Mass	65(W)x65(H)x80(D) mm, Approx.450g

E. Suggested markets

Microscope, color printing or capturing images for Photo-ID, FA, Image-processing input, gauging, On-line color inspection (Printing, food, a substrate, medicine, etc.)

Schedule	2010	2011
(1) 2M 3CCD Camera-link IF	Prototype Sample <b>Nov./2010</b>	Product Shipment <b>Mar./2011</b>
(2) 2M 3CCD Gig-E IF	Prototype Sample <b>Nov./2010</b>	Product Shipment <b>May/2011</b>