Progressive scan UXGA
Gigabit Ethernet 3CCD Color Camera
HV-FxxxGV (Preliminary)

A. Outline

- Progressive scan UXGA
- Gigabit Ethernet output(Gig-E Vision 1.0/GenIcam 1.0)
- Power Over Ethernet

B. Main features

◆ High-definition	1/1.8-inch progressive scan CCD (1600 x 1200)
◆ High frame rate	15 frames / second
◆ Small and light weight	65(W) x 65(H) x 80(D), Approx. 450g
◆ Multiple functions	Remote control through ether net
	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	1600(H) x 1200 (V)
Unit cell size	4.40μm (H) x 4.40μm (V) square lattice
Standard sensitivity	2,000 lx (F5.6)
Digital output	RGB24bit/32bit/36bit
Video output connector	RJ-45(Gig-E Vision)
Trigger input	12-pin connector
Gain	0 to +12dB
Shutter speed	10 to 1/100,000 sec
Frame rate	15 frames / second
White shading compensation	Auto (2 dimension compensation)
Masking	6 vector color
Lens mount	C mount
Power voltage	12VDC±10%/PoE
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**
2M 3CCD Gig-E IF	Prototype Sample **Nov./2010**	Product Shipment **May/2011**