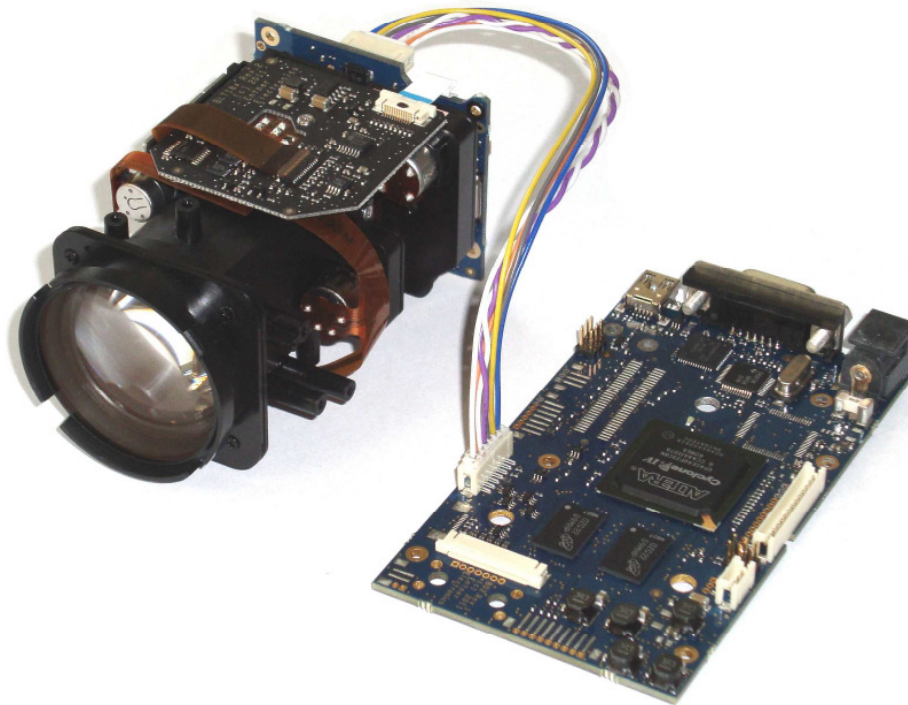


Entner Electronics
UC-23
2.3MP CMOS Color Camera Module



Features

- High integration, easy to use, cost-effective: Color camera, zoom-lens with auto-focus, live VGA output and USB interface - all in one device
- CMOS image sensor, image is digitally enhanced
- Integrated high quality 16x zoom-lens with AF
- High resolution: 2.3 Megapixels (1920 x 1200)
- Many other resolutions supported including 1080p, 720p, UXGA and XGA
- High frame rate: 30fps at full resolution, higher frame rates at lower resolutions
- Live VGA output for connection of a monitor without need for a PC
- Optional HDMI output
- USB 2.0-interface (USB Video-Class, Hi-Speed, up to 75fps at 1024 x 768)
- Image-rotation, digital-zoom, shutter, OSD-menu, user-OSD, opt. IR remote-control, etc.
- Open frame, for integration into OEM equipment (with housing: LUCY-RH23)
- Connection cable between camera-head and mainboard can be several meters for remote-head applications (optionally RJ45 connectors)
- Connectors for RS-232 (control) and push-buttons
- Close-up lens for shorter working distances available
- Custom modifications possible, extendable with add-on boards
- Cost effective replacement for UC-20 with improved performance

High Resolution and Frame Rate

Resolution	Max. Framerate (Sensor)	Framerates (VGA Output)	Max. Framerate (over USB)
WUXGA(1920 x 1200)	30fps	60Hz	30fps
UXGA (1600 x 1200)	30fps	60Hz	30fps
1080p (1920 x 1080)	30fps	50 / 60Hz	30fps
SXGA (1280 x 1024)	42.5fps	60 / 75 / 85 Hz	42.5fps
720p (1280 x 720)	60fps	50 / 60 Hz	60fps
XGA (1024 x 768)	75fps	60 / 75 / 85 Hz	75fps
SVGA (800 x 600)	85fps	60 / 75 / 85 Hz	85fps

The resolution can be selected in the OSD menu, lower resolutions will have a smaller field of view ("region of interest-readout").

Specifications

Lens	16x zoom, F1.6 to 2.6
Minimum object distance	0.8m (tele, without close-up lens), 0.05m (wide)
Focus	Continuous automatic, one-push automatic, manual
Size	Camera head: 90mm x 53mm x 49mm Mainboard: 105mm x 60mm x 17mm

Preliminary information – specification and availability subject to change without notice

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