UC-330

Compact 30x zoom camera with ultra-low latency!

Enhanced Performance

The UC-330 is a super compact software programmable camera for embedded vision applications with proprietary electronics and a high quality zoom lens for unprecedented image quality.
The read-out electronics are optimized for an exceptional low-latency which ideal for remote controlled applications.

Hassle Free Integration

The camera is compatible with the industry standard VISCA communication protocol to allow for hassle free upgrading of existing imaging systems.
An LVDS and/or MIPI interface is available for integration with industry standard embedded computing platforms.
Moreover all interface electronics are integrated in the camera to provide the most common interface standards like HDMI, USB and Ethernet.

Software Programmable

An onboard ARM-based processor is open to the user to integrating DSP functionality in the camera such as object tracking, OSD generation, file management systems and many more.

Features

- Exceptional Low Latency
- Fast rolling shutter for recording of fast moving objects
- VISCA compatible
- ARM-Core with Linux OS
- Integrated HDMI, USB, Ethernet and LVDS

Specifications

Sensor	High Speed RS CMOS, Cell Size = 2.4µm	
Supported resolutions	2560x1440/60; 2048x1536/60; 1920x1200/60; 1920x1080/60 Other resolutions on request	
Optical zoom	30x	
Digital Zoom	4x (Default)	
Focus	Auto, 1-Push, Manual	
F-Number	1.6 (W) to 5.0 (T)	
FOV (Hor)	65° (W), 2.0° (T)	
Latency (HDMI & LVDS)	<1.5 Frame (typical value)	
	UC-330-HDMI	*UC-330-LVDS*
Interfaces	○ HDMI ○ 2xUSB2.0 Host/Device ○ Ethernet – 1Gb ○ USB3.0 (Option)	○ LVDS – 30p ○ 1xUSB2.0 Host/Device ○ Ethernet – 1Gb
Camera control	VISCA or #SPEED	
Power	6 – 12V DC, 5W	
Dimensions & Weight	50x60x90 mm, appr. 215g (housing included)	
Operating temperature	0°C to 40°C ambient	
Image processing features	○ Real-Time MJPEG compression, 1080p/60 supported ○ Real-Time Lens Distortion Correction, 1080p/60 ○ Linux-based ARM-core for onboard processing, open to the developer	

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