

Entner Electronics

UC-200

13MP AF Color Camera Module



Overview

The UC-200 is a highly integrated 13MP AF camera module.

It is part of our 3rd generation camera family which features on-board Linux (that can optionally be used for user applications) and many integrated interfaces including HDMI, Ethernet and USB that can be accessed via simple break-out boards.

Specifications

Supported Resolutions	1920 x 1080 @ 30fps (HDMI, USB) (Output at HDMI with 60Hz) Others on request 13MP snapshots via USB or Ethernet
Pixel size / Sensor	1.12µm, BSI, CMOS, rolling shutter
Optical zoom	None
Digital zoom	Up to 16x possible as default (at HDMI output, up to 2.2x is quasi-lossless because full sensor resolution is used)
Focus	Automatic, one-push auto and manual
M.O.D.	< 0.1m
F number	2.2
Hor. FOV	62.7°
Outputs and Interfaces	HDMI USB 2.0 device (UVC) USB 2.0 host option 30pos LVDS + VISCA Ethernet (option) All outputs are available on micro-coax connectors (with optional break-out PCBs) SD card option
Power supply	5V to 12V DC, 4W
Cooling Options	None (customer must provide thermal design) Small heatsink (For applications with airflow) Large heatsink Small heatsink with quiet fan
Dimensions	40mm x 40mm x 20mm (with small heatsink)
Weight	21g (with small heatsink)
Further notes	Temporal noise reduction Linux-based system: User can execute his own software on the camera if desired (e.g. for on-board processing, custom OSD, etc.)

Preliminary information – specification and availability subject to change without notice

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